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Reporting of Drug Trial Funding Sources and Author Financial Conflicts of Interest in Cochrane and non-Cochrane Meta-analyses: A Cross-sectional Study

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- 2 Cochrane and non-Cochrane Meta-analyses: A Cross-sectional Study

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ABSTRACT

Objective: To (1) investigate the extent to which recently published meta-analyses report trial funding, author-industry financial ties, and author-industry employment from included RCTs, comparing Cochrane and non-Cochrane meta-analyses; (2) examine characteristics of meta-analyses independently associated with reporting funding sources of included RCTs; and (3) compare reporting among recently published Cochrane meta-analyses to Cochrane reviews published in 2010. **Design:** Review of consecutive sample of recently published meta-analyses. Data sources: MEDLINE database via PubMed searched on October 19, 2018. Eligibility criteria for selecting articles: We selected the 250 most recent meta-analyses listed in PubMed that included a documented search of at least one database, statistically combined results from ≥ 2 RCTs, and evaluated the effects of a drug or class of drugs. **Results:** 90 of 107 (84%) Cochrane meta-analyses reported funding sources for some or all included trials compared with 21 of 143 (15%) non-Cochrane meta-analyses, a difference of 69% (95% confidence interval [CI], 59% to 77%). Percent reporting was also higher for Cochrane meta-analyses compared with non-Cochrane meta-analyses for trial author-industry financial ties (44% versus 1%; 95% CI for difference, 33% to 52%) and employment (17% versus 1%; 95% CI for difference, 9% to 24%). In multivariable analysis, compared with Cochrane meta-analyses, the odds ratio for reporting trial funding was ≤ 0.11 for all other journal category and impact factor combinations. Compared with Cochrane reviews from 2010, reporting of funding sources of included RCTs among recently published Cochrane meta-analyses improved by 54% (95% CI, 42% to 63%), and reporting of trial author-industry financial ties and employment

improved by 37% (95% CI, 26% to 47%) and 10% (95% CI, 2% to 19%).

- **Conclusions:** Reporting of trial funding sources, trial author-industry financial ties, and trial
- author-industry employment in Cochrane meta-analyses has improved since 2010 and is higher
- than in non-Cochrane meta-analyses.



Strengths and limitations of this study

- We assessed reporting in 250 recently published meta-analyses, including 107
 Cochrane meta-analyses.
- The meta-analyses selected for inclusion in our study were representative of the spectrum of meta-analyses of drug interventions and the journals where they were published in 2016-2018.
- We compared reporting practices among Cochrane and non-Cochrane metaanalyses and recent Cochrane meta-analyses with Cochrane systematic reviews from 2010.
- Most meta-analyses of drug trials are published as Cochrane reviews or in relatively low-impact specialty medicine journals. Thus, we were unable to examine whether meta-analyses published in different types of journals or journals with different impact factors are more or less likely to report on financial conflicts of interest from included trials.
- Our study examined only disclosed financial conflicts of interest and did not attempt to identify non-disclosed conflicts.

Financial conflicts of interest (FCOIs) can introduce bias in drug trials by influencing how a trial is designed, inclusion and exclusion criteria, choice of drug dosages and comparators, selection of trial outcomes, how analyses are conducted, interpretation of findings, which outcomes are reported, and whether trial results are published.¹⁻⁹ Drug trials funded by industry are approximately 30% more likely to report favourable efficacy findings than non-industry trials,⁸ and drug trials with principal investigators with FCOIs have higher odds of reporting favourable outcomes than those led by principal investigators without FCOIs, even after controlling for trial funding sources.⁷

Previous studies that have examined meta-analyses of drug trials published in high-impact journals and Cochrane systematic reviews of drug trials have found that funding sources and author FCOIs of included randomized controlled trials (RCTs) were rarely reported. A 2011 study found that only 2 of a sample of 29 (7%) meta-analyses on the effects of drug interventions published in high-impact journals in 2009 reported the funding sources of included drug trials and that none reported trial author-industry financial ties or author-industry employment. A second study, published in 2012, examined Cochrane systematic reviews of drug trials and found that only 46 of 151 (30%) eligible reviews published in 2010 reported information on the funding source of some or all included trials, 11 (7%) provided any information on author-industry financial ties, and 10 (7%) provided any information on author-industry employment from included trials.

In 2012, the Cochrane Collaboration began to require that Cochrane reviews report trial funding sources and FCOIs of the primary researchers of all included trials in the characteristics of included studies table (Methodolgical Expectations of Cochrane Intervention Reviews (MECIR), standards R69 and R70). 12-13 The Preferred Reporting Items for Systematic Reviews

and Meta-analyses (PRISMA) statement, however, has not been updated since its publication in 2009^{14, 15} and does not address the reporting of trial funding or author FCOIs of trials included in systematic reviews and meta-analyses.

We do not know of any studies that have compared reporting among Cochrane metaanalyses with meta-analyses published in other journals or examined whether reporting in
Cochrane reviews has improved since Cochrane implemented its reporting policy. The objectives
of the present study were to (1) investigate the extent to which Cochrane and non-Cochrane
meta-analyses of drug trials report trial funding sources, author-industry financial ties, and
author-industry employment; (2) examine characteristics of meta-analyses that are independently
associated with reporting funding sources of included RCTs; and (3) compare reporting among
recently published Cochrane meta-analyses to reporting from Cochrane systematic reviews
published in 2010,¹¹ prior to implementation of Cochrane's reporting policy.

METHODS

The methods for the present study were based on our previous study of reporting of funding sources, author-industry financial ties, and author-industry employment from trials included in Cochrane systematic reviews published in 2010; however in the present study, we included only Cochrane reviews that contained a meta-analysis, whereas in the previous study all Cochrane reviews that included results from at least one RCT were eligible. Because of this difference, in our comparison, in addition to main analyses, we conducted sensitivity analyses that only included systematic reviews with meta-analyses from the previous study. A study protocol was developed prior to initiating the present study and was posted on the Open Science Framework (https://osf.io/njk5w/).

Selection of meta-analyses

Meta-analyses in any language were eligible if they (1) included a documented search for eligible RCTs using at least one database, (2) statistically combined results from \geq 2 RCTs, and (3) evaluated the efficacy/effectiveness or harm of a drug or class of drugs against an alternative treatment (e.g., placebo, alternative drug, non-pharmacological treatment) or no treatment. Metaanalyses that only assessed different methods of administration, dosages, or dosage schedules of the same drug were excluded. Drugs were defined broadly to include biologics and vaccines, but not nutritional supplements or medical devices without a drug component. Meta-analyses that investigated a combination of pharmacological and non-pharmacological interventions or interventions which may or may not involve a drug (e.g., amnioinfusion) were included if a study group was exclusively given a drug intervention or if the meta-analysis assessed the addition of a drug to a treatment received by both intervention and control groups. Interventions were classified as having a drug component if any form of the active ingredient (e.g., dosage, route, strength, compound) was listed as an approved or discontinued brand name, generic drug or therapeutic biological product by the US Food and Drug Administration (FDA) as listed in the Drugs@FDA database at the time of review. 16 If an agent was not listed in the Drugs@FDA database and was classified by the FDA as a non-drug (e.g., food additive, supplement), then it was not considered a drug. If an agent was not regulated as a drug and was not listed as a nondrug by the FDA, drug status was determined based on consensus among investigators using publicly available sources that provided information on the agent.

We searched the MEDLINE database via PubMed on October 19, 2018 using a search developed by a medical librarian (see eMethods1 for strategy). Citations were uploaded into the systematic review software DistillerSR (Evidence Partners, Ottawa, Canada), which was used to code and track results. Two investigators independently evaluated titles and abstracts for

potential eligibility. Full texts of titles and abstracts deemed potentially eligible by either investigator were then reviewed by two investigators independently. Disagreements at the full-text level were resolved through consensus with a third investigator consulted as necessary. Because we sought to include the most recently published meta-analyses that met eligibility criteria, prior to reviewing, citations were organized by PubMed reference identification numbers with the most recent first. Title and abstract and full-text reviews were conducted sequentially until we obtained our desired number of included meta-analyses based on our power analysis.

Data extraction

For each eligible meta-analysis, one reviewer initially extracted all data into a pre-defined form in DistillerSR, and a second reviewer validated all extracted data using the DistillerSR Quality Control function. Discrepancies were resolved by consensus and consultation with a third investigator, if needed. For each included meta-analysis, reviewers extracted first author last name; year of publication; journal name; Clarivate Analytics 2017 journal impact factor; journal speciality area based on Clarivate Analytics classification; whether it was a Cochrane meta-analysis published in the Cochrane Database of Systematic Reviews or elsewhere; funding source for the meta-analysis and author-industry financial ties and employment; reporting in the meta-analysis of trial funding sources, trial author-industry financial ties, and trial authorindustry employment; and whether the meta-analysis referenced a published protocol or contained a PROSPERO registration number. If a registration number was not provided, we searched the PROSPERO website (https://www.crd.york.ac.uk/PROSPERO/) using key terms from the published article, then attempted to match the principal investigator, funding source, intervention, non-intervention comparator group, and design from the article to registrations obtained in the search.

To extract information on meta-analysis funding source, meta-analysis author-industry financial ties, and meta-analysis author-industry employment and to determine whether or not trial funding sources, trial author-industry financial ties, and trial author-industry employment were reported in the meta-analysis, for each included meta-analysis, reviewers examined all text, tables, figures, appendices, disclosure statements, acknowledgements and any online supplemental material, published with the manuscript or linked to the manuscript. Funding sources for meta-analyses were classified as (1) non-industry (e.g., public granting agency, private not-for-profit granting agency), (2) pharmaceutical industry, (3) combined pharmaceutical industry and non-industry, (4) no funding or (5) not reported. Financial ties of meta-analysis authors to industry were defined per the International Committee of Medical Journal Editors Uniform Disclosure Form for Potential Conflicts of Interest¹⁷ and included current or former board membership, current or former consultancy, current or former industry employment, expert testimony, industry grants (issued or pending), payment for lectures including service on speakers bureaus, payment for manuscript preparation, patents (planned, pending, or issued), royalties, payment for development of educational presentations, stock or stock options, travel reimbursement, or other relationships with industry, as disclosed in the review. Of these, we specifically coded if industry employees were part of the author group. If a meta-analysis did not contain a disclosure statement, meta-analysis author-industry financial ties were coded as not reported.

For reporting of (1) trial funding sources, (2) trial author-industry financial ties, and (3) trial author-industry employment, meta-analyses were coded as (1) reporting for all included trials; (2) reporting for some, but not all, included trials; or (3) not reporting. Meta-analyses that included data from a pharmaceutical industry database or noted that trial drugs were supplied by

the manufacturers for certain trials, but that did not make any explicit statement of trial funding sources, were coded as not reporting. For meta-analyses that reported information on funding sources or author FCOIs from included trials, either fully or partially, we recorded where in the meta-analysis the information was reported. Specifically, we recorded whether the information was reported in the abstract, lay summary, risk of bias material (text, figure or table, both), main text other than risk of bias, elsewhere in the main document (e.g., characteristics of included studies table, other table, footnote of a table), or in an online appendix. See eMethods2.

Power analysis

To determine the number of meta-analyses to target, we first calculated the number of included meta-analyses that would be needed for 80% power to find a statistically significant difference if there were a 20% difference in reporting trial funding sources based on meta-analysis characteristics, with $\alpha = 0.05$. We varied the rates of reporting from 10% versus 30% to 70% versus 90% and considered scenarios where the proportion of reporting meta-analyses with each characteristic (e.g., high-impact journals versus low-impact journals) was 50% versus 50% and 30% versus 70%. For a two-tailed binomial test with $\alpha = 0.05$, the maximum number of included meta-analyses needed in any scenario was 239. Because the consequence of overpowering the study was additional labour and not risk to human participants, we rounded this number up to 250 meta-analyses. See eMethods3.

Statistical analyses

We presented characteristics of included meta-analyses descriptively, including funding sources and FCOIs. We determined the proportion of meta-analyses that reported trial funding source, author-industry financial ties, and author-industry employment of included trials for (1) all included trials, (2) some, but not all, included trials, and (3) no included trials, along with

95% confidence intervals (CIs). We compared the difference between the proportion of recently published Cochrane meta-analyses that reported study funding, author-industry financial ties, and author-industry employment from included RCTs with recently published non-Cochrane meta-analyses and with Cochrane systematic reviews published in 2010. Because the present study included meta-analyses only, but the previous study of Cochrane reviews included systematic reviews with or without meta-analyses, 11 we conducted a sensitivity analysis in which we excluded Cochrane systematic reviews from 2010 that did not include a meta-analysis and would not have been eligible for inclusion in the present study. We calculated 95% CIs for all differences. 18

To assess the relationship between meta-analysis characteristics and reporting of funding sources for some or all included trials, versus not reporting, we fit unadjusted (bivariate) and adjusted (multivariate) logistic regression models with all predictors using the glm function in R (R version 3.2.3; RStudio Version 1.0.136). $^{19.20}$ The predictor variables that were considered in bivariate and. adjusted analyses were: (1) combined category (Cochrane, specialty medicine, general medicine, multidisciplinary) and impact factor of the journal in which the meta-analysis was published; and (2) whether there was industry funding for the meta-analysis or any FCOI disclosed by meta-analysis authors. We combined journal category and impact factor because of the small number of journals in some categories and the small number of journals with impact factor greater than that of Cochrane. Thus, meta-analyses were categorized as (1) low-impact (\leq 3.0) specialty medicine journals, (2) low-impact (\leq 3.0) general medicine or multidisciplinary journals, (3) medium-impact (3.1 - 6.7) specialty medicine journals, (4) high-impact (> 6.8) specialty medicine or general medicine journals, and (5) Cochrane meta-analyses (impact factor = 6.8; reference category). Because 28 of 33 meta-analyses in general medicine journals were

from a single journal (*Medicine*) and not necessarily representative of general medicine as a category, and because 9 of the 10 meta-analyses published in multidisciplinary science journals were published in a single journal (*PLOS ONE*), we combined general medicine and multidisciplinary journals.

Our initial protocol indicated that, if possible, we would include in the logistic regression model the year of publication of the meta-analysis and whether there was meta-analysis funding by industry, meta-analysis author-industry financial ties, and meta-analysis author-industry employment, separately. However, 246 of 250 included meta-analyses were published in 2017-2018, and only 3 meta-analyses had industry funding; thus, we did not include year of publication, and we grouped meta-analysis funding source and author FCOIs into a single variable (No FCOIs including funding source versus any FCOI). Additionally, we only conducted a multivariable analysis for the reporting of funding sources of included RCTs and not for reporting of author-industry financial ties and author-industry employment, because there were not enough examples of meta-analyses that reported author-industry financial ties and author-industry financial ties and author-industry financial ties and author-industry employment.

Patient and Public Involvement

Patients and members of the public were not involved in the design, conduct, reporting, or plan for dissemination of our research.

RESULTS

Selection of eligible meta-analyses

Our initial search of PubMed without date restrictions retrieved 9,725 unique citations.

To select 250 eligible meta-analyses, working backwards from the most recent, a total of 401

citations were screened for eligibility; 64 were excluded at the title and abstract level and 76 at the full-text level. See Figure 1.

As shown in Table 1, of the 250 included meta-analyses, 107 (43%) were Cochrane reviews, all of which were published in the Cochrane Database of Systematic Reviews. Among the 143 non-Cochrane meta-analyses, 33 (23%) were published in general medicine journals (including 28 in the journal Medicine), 100 (70%) in specialty medicine journals, and 10 (7%) in multidisciplinary journals (including 9 in $PLOS\ ONE$). The mean number of included RCTs for both Cochrane and non-Cochrane meta-analyses was approximately 20. Among the 143 non-Cochrane meta-analyses, 25 (17%) referenced a published protocol or were registered in PROSPERO, and 106 (74%) were published in a journal with impact factor ≤ 3 .

Of the 250 meta-analyses, 3 (1%) reported being funded by industry, 148 (59%) reported funding from non-industry sources, 56 (22%) reported no funding, and 43 (17%) did not report funding source; 3 (1%) had at least 1 author who reported current industry employment, 51 (20%) had at least 1 author that reported other financial ties with industry, 187 (75%) reported that there were no authors with FCOIs, and 12 (5%) did not report any information about author FCOIs. Characteristics of each of the 250 included meta-analyses are shown in eTable1.

Reporting in meta-analyses of funding sources and author FCOIs from included drug trials

As shown in Table 2, 111 of the 250 (44%) included meta-analyses reported the funding sources for some or all included trials, 49 (20%) reported author-industry financial ties for some or all included trials, and 19 (8%) reported author-industry employment for some or all included trials. Of the 107 Cochrane meta-analyses, 90 (84%) reported funding sources for some or all included trials compared with 21 of 143 (15%) non-Cochrane meta-analyses, a difference of 69% (95% CI, 59% to 77%); 47 (44%) Cochrane meta-analyses reported author-industry financial ties

for some or all included trials compared with 2 (1%) non-Cochrane meta-analyses, a difference of 43% (95% CI, 33% to 52%); 18 (17%) Cochrane meta-analyses reported, fully or partially, author-industry employment compared with 1 (1%) non-Cochrane meta-analysis, a difference of 16% (95% CI, 9% to 24%).

Among the 90 Cochrane meta-analyses that reported funding sources for some or all included trials, 77 (86%) provided this information in the characteristics of included studies table, including 23 (26%) that also included it in the assessment of risk of bias of included trials; 7 (8%) included it in the risk of bias assessment and at least one other place, but not the characteristics of included studies table, and 6 (7%) reported only as part of the risk of bias assessment. In total, 36 (40%) reported in the context of the risk of bias assessment. See eTable2 for reporting for all 250 included meta-analyses.

Factors associated with reporting FCOIs from included trials in multivariable analysis

As shown in Table 3, the odds ratio for reporting funding sources for some or all included RCTs among non-Cochrane meta-analyses was ≤ 0.11 compared with Cochrane meta-analyses for all journal category and impact factor combinations. Meta-analyses with any declared FCOI (OR 1.29, 95% CI 0.53 to 3.19) and meta-analyses for which the presence of FCOIs was not reported (OR 1.18, 95% CI 0.40 to 3.44) did not differ significantly in reporting compared with those with no declared FCOIs.

Comparison of recent Cochrane meta-analyses versus Cochrane reviews published in 2010

Reporting of funding sources for some or all included trials improved from 30% in Cochrane reviews of drug trials published in 2010 to 84% in recently published Cochrane meta-analyses, an improvement of 54% (95% CI, 42% to 63%). Reporting of author-industry financial ties for some or all included trials improved from 7% in 2010 to 44% in recent meta-analyses, a

37% change (95% CI, 26% to 47%). Reporting of author-industry employment for some or all included trials improved from 7% in 2010 to 17% in recent meta-analyses (10%; 95% CI, 2% to 19%). Results did not change when the comparison was restricted to Cochrane reviews published in 2010 that included a meta-analysis. See Table 2. Figure 2 summarizes reporting among recently published Cochrane and non-Cochrane meta-analyses and Cochrane reviews from 2010.

DISCUSSION

Principal findings

We reviewed the 250 most recent meta-analyses of drug treatments listed in PubMed at the time of our search. Of these, 107 (43%) were Cochrane reviews, 100 (40%) were published in specialty medicine journals, and 43 (17%) were published in general medicine or multidisciplinary journals, including 28 in *Medicine* and 9 in *PLOS ONE*. Of the 143 non-Cochrane meta-analyses, 106 (74%) were published in journals with impact factor \leq 3.

Among Cochrane meta-analyses, 84% reported funding sources for some or all included RCTs compared with 15% of non-Cochrane meta-analyses. Cochrane meta-analyses were also more likely than non-Cochrane meta-analyses to report author-industry financial ties (44% versus 1%) and author-industry employment (17% versus 1%).

In 2010, only 30% of 151 Cochrane systematic reviews of drug treatments reported trial funding sources. ¹¹ This improved to 84% among recent Cochrane meta-analyses. Cochrane reviews also improved reporting of author-industry financial ties and author-industry employment of included RCTs from 7% to 44% and from 7% to 17%. It is possible that the reason that few meta-analyses reported author-industry employment is because some may have assumed that author-industry employment would be considered a type of author-industry

financial tie and did not report employment separately, whereas we considered author-industry financial ties and employment separately.

Among the 90 Cochrane meta-analyses that reported funding sources of included trials in the present study, 86% included the information in the characteristics of included studies table, as required by Cochrane, and 40% included the information in the risk of bias assessment.

Findings in context

In 2012, soon after our previous results showed that few Cochrane systematic reviews of drug trials reported funding sources and author FCOIs of included trials, 11 the Cochrane Collaboration began to require that trial funding sources and FCOIs be reported for every included RCT in the characteristics of included studies table. 12-13 Reporting of trial funding sources among recent Cochrane meta-analyses has not reached 100%, and work is needed to improve the reporting of other types of author FCOIs, which was under 50% despite being required by Cochrane. Nonetheless, the improvements documented in the present study are substantial, both compared with previous Cochrane reviews and with contemporary non-Cochrane meta-analyses. Cochrane is a global organization consisting of a large number of different review and methods groups that span numerous fields of health research. This diversity suggests that changes that have occurred likely resulted from change in the mandatory reporting requirements for Cochrane reviews and widespread adoption by the organization. It also suggests the possibility that other journals could improve the transparency of reporting of trial funding and trial author FCOI in evidence syntheses by adopting similar reporting requirements. The current version of the PRISMA statement does not address reporting of trial funding sources and FCOIs of trial authors by investigators who publish systematic reviews and meta-analyses. 15,16 The forthcoming updated PRISMA statement, however, will require that

trial funding, although not trial author FCOIs, be reported (personal communication, David Moher, May 22, 2019).

Members of our research team have previously recommended that risk of bias from trial funding and trial author FCOIs be included in the Cochrane Risk of Bias Tool based on evidence that links trial sponsorship and trial author FCOIs to outcomes. 10 This recommendation was debated at a Cochrane Methods Symposium in 2013, but consensus was not reached for inclusion. 12,21 The present study found that 40% of Cochrane metanalyses that reported on FCOIs from included trials included this as part of a risk of bias assessment, even though this has not been recommended by Cochrane. Currently, a new tool, the Tool for Addressing Conflicts of Interest in Trials (TACIT), 22 which specifically addresses risk of bias from industry sponsorship of trials and author-industry financial ties and employment, is being developed for inclusion in Cochrane reviews. Once the TACIT tool is completed, risk of bias from trial funding and trial author FCOIs will be explicitly considered in Cochrane reviews and, potentially, in non-Cochrane reviews, as well. Meanwhile, authors should, at a minimum, describe FCOIs and discuss the degree to which they may influence confidence in findings.

Strengths and limitations

A strength of the present study is that we assessed reporting in a large number of recently published meta-analyses, including 107 Cochrane meta-analyses, which allowed us to compare reporting practices among Cochrane and non-Cochrane meta-analyses and recent Cochrane meta-analyses with Cochrane systematic reviews from 2010. However, there are limitations that should be considered. First, since most meta-analyses of drug trials are published as Cochrane reviews or in relatively low-impact specialty medicine journals, we were not able to conduct

robust assessments of whether meta-analyses published in different types of journals or journals with different impact factors are more or less likely to report on trial funding and trial author FCOIs for included drug trials. The vast majority of meta-analyses published in general medicine journals were from a single journal (*Medicine*), which further limited our ability to examine this factor. On the other hand, the meta-analyses selected for inclusion in our study constituted a consecutive sample of the most recent meta-analyses listed in PubMed and, thus, were representative of the spectrum of meta-analyses of drug interventions and the journals where they were published in 2016-2018. Second, our study examined only disclosed FCOIs. A surprising finding was that a higher proportion of Cochrane meta-analysis authors indicated that they had FCOIs compared with non-Cochrane authors; it is not known if this reflects greater industry involvement among Cochrane authors or a higher propensity to report transparently and completely among this group of authors. Third, information about FCOIs from included RCTs was not extracted from the RCT publications. Finally, our previous study of Cochrane reviews from 2010 included all systematic reviews, whereas the present study was restricted to reviews with meta-analyses. However, a sensitivity analysis showed that results did not change when we compared recent results to those from 2010 that were restricted to reviews with a meta-analysis.

Conclusions and policy implications

In summary, the percentage of recent Cochrane meta-analyses on the effects of drug interventions that transparently reported funding sources and trial author-industry financial ties and employment for included trials far exceeds reporting in other journals. It also far exceeds reporting in Cochrane systematic reviews published in 2010, before the implementation by Cochrane of its policy

requiring the reporting of trial funding sources and author-industry FCOIs. These results suggest that it is possible to achieve more transparent reporting of FCOIs from trials included in metaanalyses. We encourage the uptake and enforcement of reporting requirements in the forthcoming updated PRISMA statement.²³ We also encourage the adoption of Cochrane's new TACIT tool²² by journals and authors in order to assess trial funding sources and author FCOIs as risks of bias. Continued non-disclosure of FCOIs when evidence is synthesized in metaanalyses misleads readers of medical journals into believing that there is not risk of bias from FCOIs to be considered, even though an increasingly robust evidence base tells us that this is often not the case.^{7,8}

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in the previous three years; no other relationships or activities that could appear to have
influenced the submitted work.
Ethics Statement: As this study involved only the review of published articles, research ethics
approval was not required.
Transparency Declaration: The manuscript's guarantor affirms that this manuscript is an
honest, accurate, and transparent account of the study being reported; that no important aspects
of the study have been omitted; and that any discrepancies from the study as planned (and, if
relevant, registered) have been explained.
Data Sharing: All extracted data are available in the main tables or in eTable1 and eTable2. No
additional data were extracted.
additional data were extracted.

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- **Figure 1.** Flow diagram of selection of eligible meta-analyses.
- **Figure 2.** Percentage of recently published Cochrane and non-Cochrane meta-analyses and 2010
- Cochrane systematic reviews that reported included trial funding source, author-industry
- financial ties, and author-industry employment for some or all included trials.



Table 1. Characteristics of included meta-analyses

	Cochrane	Non-Cochra
	Meta-Analyses	Meta-Analyses
	(N=107)	(N = 143)
Year of publication		
2016, N (%)	0	4 (3%)
2017, N (%)	22 (21%)	31 (22%)
2018, N (%)	85 (79%)	108 (76%)
Number of Included RCTs, $mean \pm SD$	21.4 ± 24.4	19.6 ± 46.4
Registered in PROSPERO or Published Protocol, ${\cal N}$	107 (100%)	25 (17%)a
(%)		
Impact Factor , $mean \pm SD$	6.8 ± 0	3.6 ± 5.4
≤3	0	106 (74%)
3.1-6.7	0	27 (19%)
6.8	107 (100%)	0
> 6.8	0	10 (7.0%)
Meta-Analysis Funding Sources		
Not reported	4 (4%) ^b	39 (27%)
Industry	0	3 (2%)
Non-Industry	93 (87%)	55 (38%)
No funding	10 (9%)	46 (32%)
Meta-Analysis Author Financial Ties to Industry		
(Including Employment) ^c		
Not reported, N (%)	1 (1%)	11 (8%)
No authors with reported financial ties, N (%)	70 (65%)	117 (81%)

\geq 1 author with reported financial ties, N (%)	36 (34%)	15 (10%)
Proportion of authors with financial ties,	$11\% \pm 17\%$	4% ± 15%
$mean \pm SD^d$		

Journal Category

Cochrane review, N (%)	107 (100%)	0
Specialty medicine N (%)	0	100 (70%)
General medicine (non-Cochrane), N (%)	0	33 (23%)
Multidisciplinary, g N (%)	0	10 (7%)

One meta-analysis reported that they registered in PROSPERO but did not provide a registration number and one could not be found. We contacted the authors and they did not provide us with further information; thus this was coded as not registered. bOnly 3 included meta-analyses reported author-industry employment and these were grouped with author-industry financial ties for this table 'Cochrane reviews typically have a "Sources of Support" section with funding information. These reviews did not include that section. dProportion of authors with financial ties or employment of those that reported. Classifications for specialty medicine journals (note that some journals had more than one classification): Anesthesiology, N = 3; Biochemistry & Molecular Biology, N = 1; Biotechnology & Applied Microbiology, N = 2; Cardiac & Cardiovascular Systems, N = 7; Cell Biology, N = 1; Chemistry, Medicinal, N = 4; Chemistry, Multidisciplinary, N =2; Clinical Neurology, N = 6; Critical Care Medicine, N =2; Dermatology, N = 3; Emergency Medicine, N = 2; Endocrinology & Metabolism, N = 2; Gastroenterology & Hepatology, N = 6; Genetics & Heredity, N = 1; Hematology, N = 2; Immunology, N = 6; Infectious Diseases, N =3; Integrative & Complementary Medicine, N=1; Medicine, Research & Experimental, N=3; Microbiology, N= 2; Neurosciences, N = 3; No classification, N = 2; Obstetrics & Gynecology, N = 4; Oncology, N = 11; Ophthalmology, N = 3; Orthopedics, N = 6; Parasitology, N = 1; Peripheral Vascular Disease, N = 5; Pharmacology & Pharmacy, N = 13; Physiology, N = 1; Psychiatry, N = 4; Psychology, N = 1; Reproductive Biology, N = 1; Respiratory System, N = 6; Rheumatology, N = 3; Sport Sciences, N = 1; Surgery, N = 11; Toxicology, N = 2; Tropical Medicine, N = 1; Urology & Nephrology, N = 1. Of the 33 included general medicine journals, 28 were published in the journal "Medicine". ^gOf the 10 journals classified as multidisciplinary, 9 were published in the iournal "PLOS ONE".

Table 2. Summary of reporting patterns of disclosed funding source and author-industry FCOI from included RCTs

		eta-analyses Repo			eta-analyses Rep	Ü	Number of	f Meta-analyse ry Employmer RCTs	
•	Full	Partial	Full or Partial	Full	Partial	Full or Partial	Full	Partial	Full or Partial
Recently Published Meta-analyses:		U /~		-					
Cochrane (N = 107), N (%)	70 (65%)	20 (19%)	90 (84%)	24 (22%)	23 (21%)	47 (44%)	1 (1%)	17 (16%)	18 (17%)
Non-Cochrane (N = 143), N (%)	14 (10%)	7 (5%)	21 (15%)	1 (1%)	1 (1%)	2 (1%)	0	1 (1%)	1 (1%)
Difference in Reporting Between	56%	14%	69%	22%	21%	43%	1%	15%	16%
Cochrane and Non-Cochrane Meta-	(44% to 65%)	(6% to 23%)	(59% to 77%)	(14% to 31%)	(13% to 30%)	(33% to 52 %)	(-2% to 5%)	(9% to 23%)	(9% to 24%)
analyses, % (95% CI)									
2010:				7	C1/				
All Cochrane Systematic Reviews	30 (20%)	16 (11%)	46 (30%)	2 (1%)	9 (6%)	11 (7%)	0	10 (7%)	10 (7%)
$(N = 151), N (\%)^a$									
Difference in Reporting Between	46%	8%	54%	21%	16%	37%	1%	9%	10%
Recently Published Cochrane Meta-	(34% to 56%)	(-1% to 18%)	(42% to 63%)	(13% to 30%)	(7% to 25%)	(26% to 47%)	(-2% to 5%)	(2% to 18%)	(2% to 19%)
analyses versus Cochrane									
Systematic Reviews Published in									
2010, % (95% CI)									
2010:									
Cochrane Meta-analyses (N =119),	21 (19%)	15 (13%)	36 (30%)	0 (0%)	7 (6%)	7 (6%)	0 (0%)	7 (6%)	7 (6%)

Ν	(%)

alyses Published in 2010, % (95%	alyses versus Cochrane Meta- alyses Published in 2010, % (95%	Difference in Reporting Between	48%	6%	54%	22%	16%	38%	1%	10%	11%
alyses Published in 2010, % (95%	alyses Published in 2010, % (95%	ecently Published Cochrane Meta-	(36% to 58%)	(-3% to 16%)	(42% to 63%)	(15% to 31%)	(7% to 25%)	(27% to 48%)	(-2% to 5%0	(2% to 19%)	(3% to 20%
		nalyses versus Cochrane Meta-									
8 *Results from Roseman et al., 2012.	28 *Results from Roseman et al., 2012.	nalyses Published in 2010, % (95%									
8 a Results from Roseman et al., 2012.	^a Results from Roseman et al., 2012.	1)									
		a Results from Roseman et al., 20	012.	Ort	000	10 L	io L				

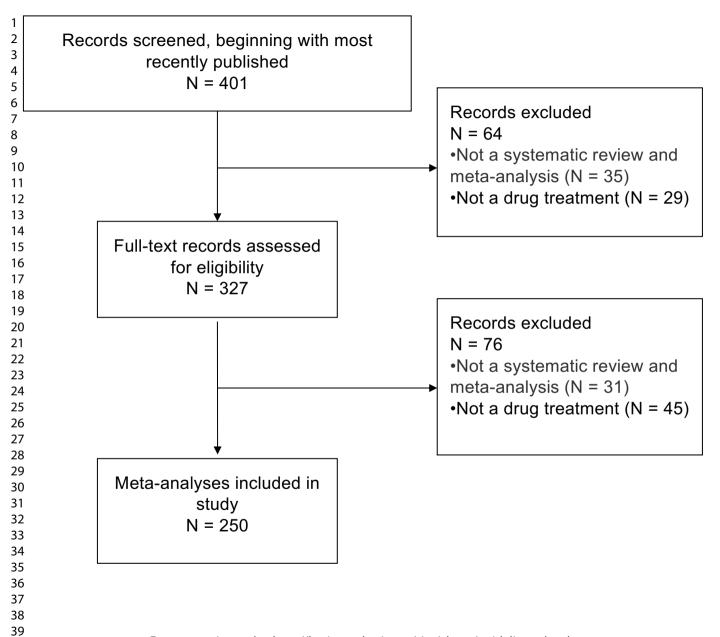
Table 3. Factors associated with reporting funding sources of included RCTs

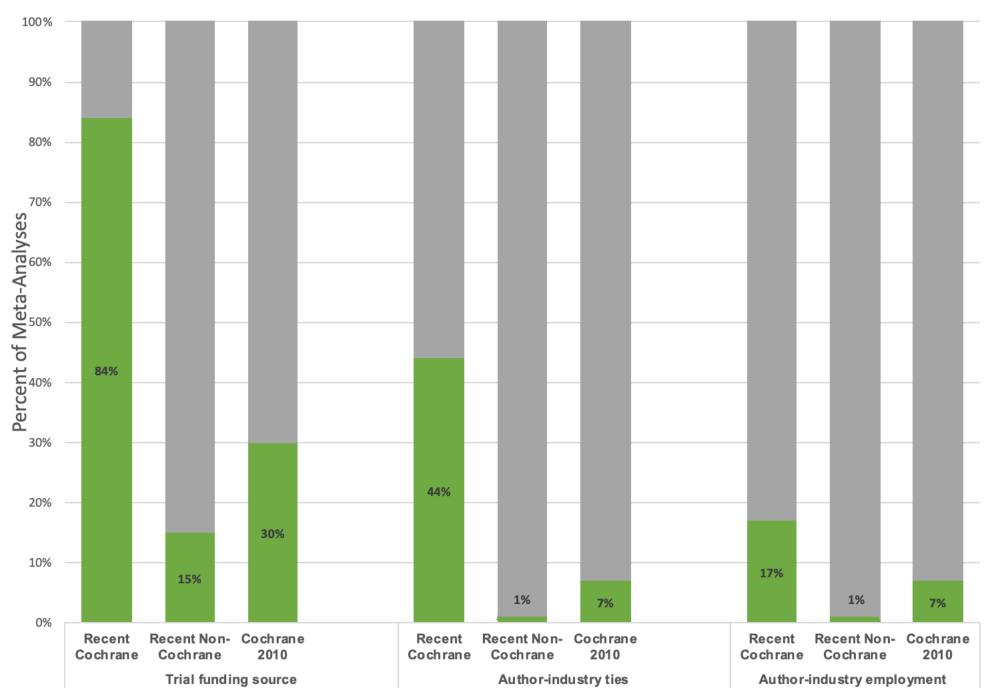
	Proportion that	Unadjusted odds	Adjusted odds ratio
	reported some or	ratio (95% CI)	(95% CI)
	all declared		
	funding sources		
	from included		
	RCTs		
FCOI of meta-analysis			
(including meta-analysis			
funding)			
reference = no FCOI	67/151 (44%)		
Any disclosed FCOI	35/51 (69%)	2.74 (1.42 to 5.49)	1.29 (0.53 to 3.19)
Not reported	9/48 (19%)	0.29 (0.12 to 0.62)	1.18 (0.40 to 3.44)
Impact Factor and Journal			
Туре			
reference = Cochrane	90/107 (84%)		
Specialty impact factor $\leq 3^{b}$	4/65 (6%)	0.01 (< 0.01 to 0.03)	0.01 (< 0.01 to 0.04)
General (N=31) or	4/41 (10%)	0.02 (< 0.01 to 0.06)	0.02 (< 0.01to 0.06)
Multidisciplinary (N=10)			
impact factor ≤ 3			
Specialty impact factor 3.1 -	10/27 (37%)	0.11 (0.04 to 0.28)	0.11 (0.04 to 0.28)
6.7 ^c			
Specialty (N=8) or General	3/10 (30%)	0.08 (0.02 to 0.32)	0.08 (0.02 to 0.32)
-p			

^aNot reported included meta-analyses for which the presence of FCOI could not be determined because either meta-analysis funding, meta-analysis author FCOI, or both were not reported.

- ^b Two meta-analyses were from journals that did not have an impact factor, and these were coded as having an impact factor of 0.5 for our
- ^c There were no multidisciplinary or general medicine journals with an impact factor of 3.1-6.7. FCOI = financial conflicts of interest







Supplementary Material

eMethods1. Search strategy

eMethods2. Data extraction form

eMethods3. Power analysis

eTable1. Detailed characteristics of included meta-analyses

eTable2. Detailed reporting of study funding source, author-industry financial ties, and author-industry employment from included RCTs

eMethods1. Search strategy

To obtain our sample, we searched the MEDLINE database via PubMed on October 19, 2018 using the following search strategy:

(((("Randomized Controlled Trials as Topic"[Mesh] or randomized control trial [tiab] or randomized controlled trial [tiab] OR randomized controlled trials [tiab] or randomized controlled trials [tiab] OR Randomized controlled trials [tiab] or randomised controlled trials [tiab] or randomised controlled trial [tiab] or randomised controlled trials [tiab]) AND ("Therapeutic Uses"[Mesh]) OR "Vaccines"[Mesh]) AND ("Meta-Analysis" [Publication Type] or meta analysis [tiab]) AND (systematic review [tiab]) OR search [tiab] or searched [tiab] or MEDLINE [tiab] OR PubMed [tiab]))))

eMethods 2. Data extraction form

First Author, last name: Last name of first author of meta-analysis

Year of publication (or in press): Year of publication of meta-analysis

Journal: Name of journal in which meta-analysis was published

Journal Impact factor: Where meta-analysis published (low-high split or continuous based on data distribution)

Specialty area of Journal: Where meta-analysis published (per Thomson Reuters Journal Science Citation Index - Expanded categories)

Cochrane Review (Y/N): Is the meta-analysis a Cochrane Review? Select "Yes" even if the Cochrane Review is being published in another journal

Response from radio options:

- Y (Yes)
- N (No)

Journal policies for reporting COI of Included Trials: Presence or absence of instructions for reporting in the author instructions

- Y (Yes)
- N (No)

of RCTs synthesized in Meta-Analysis (total RCTs in included meta-analysis related to drugs)

Date Range of Included Trials: Date range in years of publication of studies (RCTs) included related to drugs in the meta-analysis (XXXX - XXXX). Use "In press" for end date if there are in press trials. Use "Unpublished" if a trial is in progress or has never been published.

Study population: Characteristics of study population of included trials (e.g. condition/disorder, adult/child)

Pharmacological agent: Pharmacologic treatment evaluated in the meta-analysis

- Name(s) of treatment if specific drug(s) investigated
- Class of treatment if broader category of drugs investigated, and number of drugs evaluated (e.g. SSRIs 5 included)

Control/comparison arms: Other treatment arms (control/comparison) included in the metaanalysis (e.g. placebo, name of comparison pharmacologic treatment, name of behavioral intervention)

Meta-Analysis Author Financial Ties / Funding Sources Reported: Does the meta-analysis report meta-analysis author financial ties (including former and current industry employment) and/or the funding source? Note that reporting "no funding" is different from not reporting. Response from radio options:

- Meta-analysis author financial ties
- Meta-analysis funding sources
- Both financial ties and funding sources
- Neither reported

Funding Source of Meta-Analysis (if applicable – only shown if above item indicates metaanalysis funding sources reported or both financial ties and meta-analysis funding sources reported) Source of financial support for the meta-analysis:

Response from radio options:

- Industry
- Combined industry and non-industry

- Non-industry (e.g. public granting agency, private not-for-profit granting agency)
- No study funding

Type of Industry Funding (if applicable – only shown if above item indicates industry funding or combined industry and non-industry present): If the meta-analysis is industry funded, what is the type of support provided by industry? Response from radio options:

- Financial support
- Resources (e.g. statistical analyses)
- Both financial support and resources

of Meta-Analysis Authors: Number of authors of the meta-analysis (count authors named in byline or in an author group)

of Meta-Analysis Authors with Financial Ties to Industry (if applicable – only shown if meta-analysis author financial ties or both financial ties and meta-analysis funding sources are reported): Number of authors of the meta-analysis who have financial ties such as industry board member, consultant, investments, patents, research funding, royalties (including former, and excluding current industry employment):

- Numbers 0 - > 10

Meta-Analysis Authors with Current Industry Employment (if applicable – only shown if meta-analysis author financial ties or both financial ties and meta-analysis funding sources are reported): Number of authors of the meta-analysis who are current industry employees.

Response from radio options:

Numbers $0 - \ge 10$

Quality or Risk Assessment of Included RCTs (Y/N): Was quality or risk assessment of included RCTs, by methods from Cochrane, Jadad, etc., reported in the meta-analysis.

Response from radio options:

- Y (Yes)
- N (No)

Quality or Risk Assessment Method of Included RCTs (if applicable – only shown if answer to previous item is yes- quality or risk assessment of included RCTs is reported): If the meta-analysis authors report a quality or risk assessment method of included RCTs, what is the reported method of quality assessment?

Meta-analysis Authors Report Funding Sources of Included Studies: Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study funding sources not reported

Placement in publication of Included RCTs' Funding Source (if applicable – only shown if the response to Meta-analysis Authors Report Funding Sources of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table
 - Online appendix
 - Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Funding Source (if applicable – only shown if placement in publication of included RCT's Funding Source is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Meta-analysis Authors Report Author Financial Ties of Included Studies: Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study author financial ties not reported

Placement in publication of Included RCTs' Author Financial Ties (if applicable – only shown if the response Meta-analysis Authors Report Author Financial Ties of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table
- Online appendix
- Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Author Financial Ties (if applicable – only shown if placement in publication of included RCT's Author Financial ties is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Meta-analysis Authors Report Author Industry Employment of Included Studies: Do the authors of the meta-analysis report current author industry affiliation (employment) for the included studies? Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study author industry employment not reported

Placement in publication of Included RCTs' Author Industry Employment (if applicable – only shown if the response to Meta-analysis Authors Report Author Industry Affiliation (Employment) of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table)
 - Online appendix
 - Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Author Industry

Employment (only shown if placement in publication of included RCT's Author Industry

Affiliation is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Do the authors report a PROSPERO registration number in the text?

- Yes
- No

What is the registration number (e.g., CRD42017062454)? (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is yes)

What stages were completed (ignore started) at the time of registration. Make sure to select the earliest registration version at the bottom of the page. Please check all stages that were completed. (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is yes)

- Preliminary searches

- Piloting of the study selection process
- Formal screening of search results against eligibility criteria
- Data extraction
- Risk of bias (quality) assessment
- Data analysis
- None completed

Was a registration found in PROSPERO? (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is no)

What is the registration number (e.g., CRD42017062454)? (if applicable – only shown if the response to Was a registration found in PROSPERO? Is yes)

What stages were completed (ignore started) at the time of registration. Make sure to select the earliest registration version at the bottom of the page. Please check all stages that were completed. (if applicable – only shown if the response to Was a registration found in PROSPERO? Is yes)

- Preliminary searches
- Piloting of the study selection process
- Formal screening of search results against eligibility criteria
- Data extraction
- Risk of bias (quality) assessment
- Data analysis
- None completed

eMethods3. Power analysis

Allocation ratio: 50% and 50% (1:1)

Proportion reporting COI		Sample size group 1	Sample size group 2	Sample size total	Actual power	Actual alpha
Low impact	High impact					
10%	30%	69	69	138	.807	.033
20%	40%	90	90	180	.802	.037
30%	50%	102	102	204	.806	.042
40%	60%	102	102	204	.801	.038
50%	70%	102	102	204	.806	.036
60%	80%	90	90	180	.802	.032
70%	90%	69	69	138	.807	.025

Allocation ratio: 30% and 70% (3:7)

20% difference						
Proportion reporting COI		Sample size group 1	Sample size group 2	Sample size total	Actual power	Actual alpha
Low impact	High impact					
10%	30%	105	44	149	.815	.038
20%	40%	141	59	200	.807	.040
30%	50%	165	69	234	.801	.045
40%	60%	168	71	239	.805	.043
50%	70%	166	70	236	.864	.042
60%	80%	148	62	210	.802	.040
70%	90%	133	47	160	.802	.035

eTable1. Detailed characteristics of included meta-analyses

First Author	Year	Journal	2017 Impact Factor	Specialty Area	Meta- analysis Funding source(s)	Number of Meta- analysis Authors with Industry Financial Ties / Number of Meta- analysis Authors ^a	Number of drug RCTs Included	Publicatio n Dates of included drug RCTs	Population	Drug Intervention(s)	Comparison Arm(s)
Cochrane Review	vs (n = 10)	7)									
		Cochrane Database of Systematic		Medicine, General	Non-				Adults (19 years and over) with advanced biliary tract	Gemcitabine, vandetanib, S-1 (tegafur + gimeracil + oteracil), gemcitabine + oxaliplatin, 5-fluorouracil	Best supportive care, 5-fluorouracil + cisplatin +
Abdel-Rahman ¹	2018	Reviews Cochrane Database of Systematic	6.8	& Internal Medicine, General	industry Non-	0/3	7	2004-2016	carcinomas Participants with or without evidence of cardiovascular	+ folinic acid, capecitabine	radiotherapy
Adams ²	2018	Reviews Cochrane Database of Systematic	6.8	& Internal Medicine, General	industry Non-	0/4	36	1994-2012	disease People with co- occurring depression and alcohol	Fluvastatin Antidepressants - 16 types,	Placebo,
Agabio ³	2018	Reviews Cochrane Database of	6.8	& Internal	industry	0/3	27	1969-2015	dependence Adults (16 years and over) with acute spontaneous	diazepam, memantine	psychotherapy
Al-Shahi Salman ⁴	2018	Systematic Reviews Cochrane Database of	6.8	Medicine, General & Internal	Not reported	0/5	11 ^b	1999-2015	intracerebral haemorrhage Patients with antipsychotic-	Blood clotting factors, antifibrinolytic drugs	Placebo, open control, fresh frozen plasma
Alabed ⁵	2018	Systematic Reviews Cochrane Database of	6.8	Medicine, General & Internal	Non- industry	0/4	11	1976-2008	induced tardive dyskinesia (TD) Patients with	Gamma-aminobutyric acid agonists - 6 types	Placebo
Allegretti ⁶	2017	Systematic Reviews Cochrane Database of	6.8	Medicine, General & Internal	No funding	3/8	8	1998-2016	hepatorenal syndrome Patients undergoing haemodialysis using	Terlipressin, terlipressin + albumin Antibiotic antimicrobial lock solutions - 11 types,	Placebo, no intervention, albumin
Arechabala ⁷	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/7	37	1998-2017	a central venous catheter	non-antibiotic antimicrobial lock	Heparin, saline

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										solutions - 10 types.	
										antibiotic + non-antibiotic	
										antimicrobial lock	
										solutions - 3 types	
		Cochrane							Adult (18 years and		
		Database of							over) chronic	aspartate, bromazepam,	
		Systematic		Medicine, General	No				benzodiazepine	cyamemazine, zopiclone,	Placebo, no
Baandrup ⁸	2018	Reviews	6.8	& Internal	funding	1/6	33°	1981-2016	users	flunitrazepam	intervention
		G 1									
										Aii 4i14-	Diala -
				Madicina Ganaral	Non					1 0	Placebo, immunoglobulin,
Bala ⁹	2018	-	6.8			3/6	9	1997-2016	•	1 / 1	unfractionated heparin
				•					Heterosexual adult		
									couples (18 years or		
		Cochrane							more) with a partner		
D 1 / 10	2010			,		0./2	44	2000 2012		1	
Barbato	2018		6.8	& Internal	industry	0/3	4 ^u	2000-2012		Antidepressants - 9 types	Couples therapy
				Medicine General	Non-						
Bergman ¹¹	2018	Reviews	6.8	& Internal	industry	0/3	4	1981-1997		Benzodiazepines - 3 types	Placebo, usual care
Č					•				Ž	Tricyclic antidepressants	
										· //	
		Cochrane								inhibitors (SNRIs),	
		Database of							Adults (18 years and	norepinephrine reuptake	
		Systematic		Medicine, General	Non-				over) with panic	inhibitors (NRIs),	
Bighelli ¹²	2018		6.8	& Internal	industry	2/9	41	1989-2011	disorder	nefazodone, ritanserin	Placebo
				Madiaina Canaral	Non				Doonlo with		
Birks ¹³	2018		6.8	,		0/2	30	1996-2017	1	Donenezil	Placebo
Dirks	2010		0.0	& Internal	maastry	0/2	30	1770 2017	Mizhenner 3 disease	Бопереди	1 ideeso
		Database of							Adults (18 years and		No treatment, usual
		Systematic		Medicine, General	Non-				over) with quiescent		care (azathioprine +
Boyapati ¹⁴	2018	Reviews	6.8	& Internal	industry	3/8	6	1978-2017	Crohn's disease	Azathioprine, infliximab	infliximab)
	Bala ⁹ Barbato ¹⁰ Bergman ¹¹ Bighelli ¹² Birks ¹³ Boyapati ¹⁴	Bala ⁹ 2018 Barbato ¹⁰ 2018 Bergman ¹¹ 2018 Bighelli ¹² 2018 Birks ¹³ 2018	Baandrup8 2018 Reviews Cochrane Database of Systematic Bala9 2018 Reviews Cochrane Database of Systematic Barbato10 2018 Reviews Cochrane Database of Systematic Bergman11 2018 Reviews Cochrane Database of Systematic Bergman12 2018 Reviews Cochrane Database of Systematic Bighelli12 2018 Reviews Cochrane Database of Systematic Birks13 2018 Reviews Cochrane Database of Systematic Birks13 2018 Reviews Cochrane Database of Systematic Systematic Birks13 2018 Reviews Cochrane Database of Systematic Systematic Birks13 2018 Reviews Cochrane Database of Systematic	Baandrup8 2018 Reviews 6.8 Cochrane Database of Systematic Bala9 2018 Reviews 6.8 Cochrane Database of Systematic Barbato10 2018 Reviews 6.8 Cochrane Database of Systematic Bergman11 2018 Reviews 6.8 Cochrane Database of Systematic Bergman21 2018 Reviews 6.8 Cochrane Database of Systematic Bighelli12 2018 Reviews 6.8 Cochrane Database of Systematic Birks13 2018 Reviews 6.8 Cochrane Database of Systematic Birks14 2018 Reviews 6.8 Cochrane Database of Systematic Birks15 2018 Reviews 6.8 Cochrane Database of Systematic	Baandrup8 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bala9 2018 Reviews 6.8 Medicine, General Cochrane Database of Systematic Barbato¹0 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bergman¹¹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bergman¹¹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bergman¹¹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bighelli¹² 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bighelli³² 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Birks¹³ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Medicine, General Medicine, General	Baandrup ⁸ 2018 Reviews 6.8 & Internal funding Cochrane Database of Systematic Cochrane Database of Systematic Bala ⁹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Barbato ¹⁰ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bergman ¹¹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bergman ¹¹ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bighelli ¹² 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Bighelli ¹³ 2018 Reviews 6.8 & Internal Cochrane Database of Systematic Birks ¹³ 2018 Reviews 6.8 & Internal Medicine, General Non- industry Non- industry Non- industry Medicine, General Non- industry Non- industry Medicine, General Non- industry Non- industry Cochrane Database of Systematic Medicine, General Non- industry Non- industry Cochrane Database of Systematic Medicine, General Non- industry Medicine, General Non- industry Medicine, General Non- industry Cochrane Database of Systematic Medicine, General Non- industry Medicine, General Non- industry	Baandrup ⁸ 2018 Reviews 6.8 & Internal No funding 1/6 Cochrane Database of Systematic Medicine, General Non-industry 3/6 Bala ⁹ 2018 Reviews 6.8 & Internal Non-industry 3/6 Cochrane Database of Systematic Medicine, General Non-industry 0/3 Cochrane Database of Systematic Medicine, General Non-industry 0/3 Cochrane Database of Systematic Medicine, General Non-industry 0/3 Bergman ¹¹ 2018 Reviews 6.8 & Internal industry 0/3 Cochrane Database of Systematic Medicine, General Non-industry 0/3 Bighelli ¹² 2018 Reviews 6.8 & Internal industry 2/9 Cochrane Database of Systematic Medicine, General Non-industry 2/9 Birks ¹³ 2018 Reviews 6.8 & Internal industry 0/2 Medicine, General Non-industry 0/2	Baandrup ⁸ 2018 Reviews 6.8 & Internal No Cochrane Database of Systematic Bala ⁹ 2018 Reviews 6.8 & Internal Non Cochrane Database of Systematic Barbato ¹⁰ 2018 Reviews 6.8 & Internal Non Cochrane Database of Systematic Barbato ¹⁰ 2018 Reviews 6.8 & Internal Non Cochrane Database of Systematic Bergman ¹¹ 2018 Reviews 6.8 & Internal industry 0/3 4 Cochrane Database of Systematic Bergman ¹¹ 2018 Reviews 6.8 & Internal industry 0/3 4 Cochrane Database of Systematic Bighelli ¹² 2018 Reviews 6.8 & Internal industry 2/9 41 Cochrane Database of Database of Systematic Birks ¹³ 2018 Reviews 6.8 & Internal industry 0/2 30 Cochrane Database of Systematic Medicine, General Medicine, General Medicine, General Medicine, General Non Systematic Medicine, General Non Medicine, General Non Systematic Medicine, General Non	Baandrup* 2018 Reviews 6.8 Medicine, General Funding 1/6 33° 1981-2016	Baandrup ⁸ 2018 Reviews 6.8 & Internal Funding 1/6 33° 1981-2016 Users Individuals with In	Bandrup ⁴ 2018 Reviews 6.8 & Internal industry 0.3 4 1981-097 depressed discontinuing the standard of the sta

1												
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3			Cochrane									
4			Database of							Women of		
			Systematic		Medicine, General	Non-				reproductive age	Combined oral contractive	Placebo, leuprolide,
5	Brown ¹⁵	2018	Reviews	6.8	& Internal	industry	0/4	5	1993-2017	with endometriosis	pill - 3 types	goserelin
6			Cochrane			,					1 31	S
7			Database of									
8			Systematic		Medicine, General	Non-				Adults with atrial	Factor Xa inhibitors - 7	
9	Bruins Slot ¹⁶	2018	Reviews	6.8	& Internal	industry	1/2 ^e	13	2008-2014	fibrillation	types	Warfarin
-										People with		
10										schizophrenia and schizophrenia-like		
11										disorders such as		
12										schizophreniform		
13			Cochrane							disorder, delusional		
14			Database of							disorder, or		
15			Systematic		Medicine, General	No				schizoaffective	Zuclopenthixol	Placebo, other drugs -
	Bryan ¹⁷	2017	Reviews	6.8	& Internal	funding	0/3	20	1968-2007	disorder	dihydrochloride	11 types
16											Antifibrinolytic agents - 2	
17			Cochrane							Women of	types, non-steroidal anti-	Placebo, herbal
18			Database of		M II : 0 1					reproductive age	inflammatory drugs	medicines,
19	Bryant-Smith ¹⁸	2018	Systematic Reviews	6.8	Medicine, General & Internal	No funding	1/4	13	1970-2016	with heavy menstrual bleeding	(NSAIDs), progestogens, ethamsylate	levonorgestrel intrauterine system
20	Bryant-Simur	2016	Reviews	0.8	& Internal	runding	1/4	13	1970-2010	Adults (17 years and	emanisyrate	mitauterine system
			Cochrane							over) in non-ICU		
21			Database of							acute care settings		
22			Systematic		Medicine, General	Non-				diagnosed with		Nonantipsychotics,
23	Burry ¹⁹	2018	Reviews	6.8	& Internal	industry	0/9	9	1996-2016	delirium	Antipsychotics - 5 types	placebo
24			Cochrane							Adult patients (18		
25			Database of		M 11 1 0 1	N T				years and older)		
26	Campschroer ²⁰	2010	Systematic	(0	Medicine, General	Non-	0/4	(7	2002-2017	with ureteral stone disease	Aluba bladana (tama	Dlkl
	Campsenroer	2018	Reviews	6.8	& Internal	industry	0/4	67	2002-2017	Adults with cancer	Alpha-blockers - 6 types	Placebo, usual care
27			Cochrane							and adults receiving		
28			Database of							palliative care with		
29			Systematic		Medicine, General	Non-				opioid-induced	Mu-opioid antagonists - 3	
30	Candy ²¹	2018	Reviews	6.8	& Internal	industry	0/5	8	1996-2017	bowel dysfunction	types	Placebo
31			Cochrane							Patients with		
32			Database of							paracetamol		
	C1 : 22	2010	Systematic		Medicine, General	Non-	0.44	26	1076 2014	(acetaminophen)	Methionine, cysteamine,	The state of the state of
33	Chiew ²²	2018	Reviews	6.8	& Internal	industry	0/4	$9^{\rm f}$	1976-2014	overdose	dimercaprol, acetylcysteine	Placebo, no treatment
34			Cochrane							Children aged up to five years with a		
35			Database of							clinical diagnosis of		
36			Systematic		Medicine, General	Not				community-acquired		Placebo, antibiotics
37	Das ²³	2018	Reviews	6.8	& Internal	reported	0/3	7	2010-2017	pneumonia (CAP)	Vitamin D	alone
38			Cochrane			•				Healthy individuals		
			Database of							(16 to 65 years) and		
39	D 11 124	2010	Systematic	6.0	Medicine, General	Non-	1 /5	7.1	1060 2017	pregnant women and	Inactivated parenteral	DI I
40	Demicheli ²⁴	2018	Reviews	6.8	& Internal	industry	1/5	71 ^g	1969-2014	their newborns	influenza vaccine	Placebo, no treatment
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3			Cochrane									
4			Database of									
-			Systematic		Medicine, General	Non-				Elderly participants		
,	Demicheli ²⁵	2018	Reviews	6.8	& Internal	industry	1/7	8	1969-2004	(65 years and over)	Influenza vaccines	Placebo
)											Fondaparinux,	
7											rivaroxaban, low molecular	
3											weight heparin, non-	
9											steroidal anti-inflammatory	
10										D-4:4i4l-	drugs, vasotonin, sulodexide,	
10										Patients with superficial	heparansulphate, vitamin K	
11			Cochrane							thrombophlebitis of	antagonists, enzyme	
12			Database of							the leg or diagnosis	therapy, unfractionated	
13			Systematic		Medicine, General	Non-				of a thrombus in a	heparin, heparin calcium,	Placebo, elastic
14	Di Nisio ²⁶	2018	Reviews	6.8	& Internal	industry	2/3	32	1970-2017	superficial vein	defibrotide	stockings
15			Cochrane							Patients with		
			Database of							antipsychotic-	Noradrenergic drugs - 2	
16	F1.0 127	2010	Systematic		Medicine, General	Non-	0.14	10	1072 2010	induced tardive	types, dopaminergic drugs	The state of
17	El-Sayeh ²⁷	2018	Reviews	6.8	& Internal	industry	0/4	10	1973-2010	dyskinesia	- 7 types	Placebo
18										People of all ages on		
19										continuous vitamin K antagonist (VKA)		
20										or direct oral		
20			Cochrane							anticoagulant		Usual care (surgical
21			Database of							(DOAC) treatment		treatment), usual care
22			Systematic		Medicine, General	Non-				undergoing an oral	Antifibrinolytic agents - 2	(surgical treatment) +
23	Engelen ²⁸	2018	Reviews	6.8	& Internal	industry	0/5	3	1989-2015	or dental procedure	types	placebo
24											Selective serotonin	
25			Cochrane							A 1 1/2 (10 1	reuptake inhibitors (SSRIs)	
26			Database of		Medicine, General	Non				Adults (18 years and over) living with	- 4 types, tricyclic	
20 27	Eshun-Wilson ²⁹	2018	Systematic Reviews	6.8	& Internal	Non- industry	1/6	10	1994-2014	HIV and depression	antidepressants (TCAs) - 2 types	Placebo, mirtazapine
	Linuii- Wilson	2010	Cochrane	0.6	& Internal	maastry	1/0	10	1774-2014	People with	types	r iaccoo, mirtazapine
28			Database of							antipsychotic-		
29			Systematic		Medicine, General	Non-				induced tardive	Calcium channel blockers -	
30	Essali ³⁰	2018	Reviews	6.8	& Internal	industry	0/4	3	1992-1997	dyskinesia	3 types	Placebo
31											Selective serotonin	
32											reuptake inhibitors - 4	
			Cochrane								types; tricyclic	
33			Database of		M II : C 1	N				A 1 1/2 (10 1	antidepressants - 3 types;	DI 1 ' '
34	Ei4431	2010	Systematic Reviews	6.8	Medicine, General	Non-	3/8	23	1070 2012	Adults (18 years and	other antidepressants - 6	Placebo, insomnia
35	Everitt ³¹	2018	Cochrane	0.8	& Internal	industry	3/8	23	1978-2013	over) with insomnia	types	medication - 2 types
36			Database of							Regular tobacco		
37			Systematic		Medicine, General	Non-				smokers (20 years	Nicotine replacement	
38	Fanshawe ³²	2017	Reviews	6.8	& Internal	industry	0/6	4	2004-2014	and under)	therapy, bupropion	Placebo
			Cochrane			,				Subfertile women of	10/ 1 1	Placebo, selective
39			Database of							reproductive age		estrogen receptor
40			Systematic		Medicine, General	Non-				with polycystic		modulators,
41	Franik ³³	2018	Reviews	6.8	& Internal	industry	0/5	42	2004-2017	ovary syndrome	Letrozole	clomiphene citrate
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3												followed by
4												intrauterine
5												insemination,
												laparoscopic ovarian
6												drilling, follicle-
7												stimulating hormone,
8			Cochrane									anastrozole Sulfadoxine-
9			Database of							Pregnant women		pyrimethamine,
10			Systematic		Medicine, General	Non-				living in malaria-		cotrimoxazole,
11	González34	2018	Reviews	6.8	& Internal	industry	0/6	6	1994-2014	endemic areas	Mefloquine	placebo
12						-				Adult women with	•	•
			Cochrane							moderate or severe		
13			Database of		V 11 1 G A1					cervical	Non-steroidal anti-	
14	Chh35	2018	Systematic	(0	Medicine, General	Non-	0/2	2	2006 2017	intraepithelial	inflammatory agents	Dlassha
15	Grabosch ³⁵	2018	Reviews Cochrane	6.8	& Internal	industry	0/3	3	2006-2017	neoplasia (CIN)	(NSAIDs) - 2 types	Placebo
16			Database of							Adults and children		
17			Systematic		Medicine, General	Non-				being treated for		Usual treatment,
18	Graves ³⁶	2018	Reviews	6.8	& Internal	industry	0/4	24 ^h	1981-2017	falciparum malaria	Primaquine	bulaquine
			Cochrane							Pregnant women		
19			Database of							who were about to		
20	TT 27	2010	Systematic	6.0	Medicine, General	Non-	0/4	/	1007 2017	receive a cesarean	Antiseptic solutions - 3	DI I
21	Haas ³⁷	2018	Reviews Cochrane	6.8	& Internal	industry	0/4	11	1997-2017	delivery	types	Placebo, no treatment
22			Database of							People with cancer	Low molecular weight	
23			Systematic		Medicine, General	Non-				and venous	heparin, unfractioned	
24	Hakoum ³⁸	2018	Reviews	6.8	& Internal	industry	0/10	15	1991-2009	thromboembolism	heparin	Fondaparinux
25												Placebo, no treatment,
26			0.1							Immunocompetent		alternative therapies -
			Cochrane Database of							patients with localised Old World		7 types, other drug comparators - 6 types,
27	Heras-		Systematic		Medicine, General	Non-				cutaneous	Antimonials – 2 types,	other non-drug
28	Mosteiro ³⁹	2017	Reviews	6.8	& Internal	industry	0/10	89	1990-2015	leishmaniasis	non-antimonials – 22 types	comparators - 4 types
29			Cochrane							People with	Chemotherapy, targeted	P
30			Database of							esophageal or	therapy, EGFR-targeting	
31			Systematic		Medicine, General	Non-				gastroesophageal	agents, cetuximab,	Best supportive care,
32	Janmaat ⁴⁰	2017	Reviews	6.8	& Internal	industry	0/8	41	1980-2015	junction cancer	ramucirumab	unspecified control
33			Cochrane									
			Database of Systematic		Medicine, General	Non-				Healthy children (15		Placebo, no
34	Jefferson ⁴¹	2018	Reviews	6.8	& Internal	industry	1/4	41	1971-2016	vears and under)	Influenza vaccine - 2 types	intervention
35	0011015011	2010	110 / 10 // 5	0.0	CC 1111C11141	madery	-, .		1971 2010	Middle-aged and	imidenia vacenie 2 types	
36										older men (40 or		
37										over) with lower		
38			Cochrane						2006	urinary tract		
39			Database of		Medicine, General	Non			2006-	symptoms as a result	Ciladagin tamaylagir	
40	Jung ⁴²	2017	Systematic Reviews	6.8	& Internal	Non- industry	0/6	19	Unpublishe d	of benign prostatic hyperplasia	Silodosin, tamsulosin, naftopidil, and alfuzosin	Placebo
	vuiig	201/	TOTIONS	0.0	& internal	industi y	0/0	1)	u	ny porpiasia	narropian, and anazosin	1 100000
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- 	Kaempfen ⁴³	2018	Cochrane Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/4	3	2013-2017	Preterm infants	Propranolol	Placebo, no treatment
7 3)	Kahale ⁴⁴	2017	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/10	7	1979-2012	Ambulatory people with cancer	Warfarin, apixaban	Placebo, no treatment
0 1	** * * * *	•	Database of Systematic		Medicine, General	Non-				People with cancer and central venous		
2	Kahale ⁴⁵	2018	Reviews Cochrane	6.8	& Internal	industry	0/10	13	1990-2013	catheters	Anticoagulant - 6 types Vitamin K antagonist - 2 types, direct oral	Placebo, no treatment
4 5 6	Kahale ⁴⁶	2018	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/11	16	2001-2018	People with cancer and venous thromboembolism	anticoagulant - 4 types; low molecular weight heparin - 4 types	Anticoagulants
7 8 9	Kapur ⁴⁷	2018	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	3/5	7	1992-2012	Children and adults with bronchiectasis	Corticosteroids - 3 types	Placebo, no treatment
20 21 22	Kelly ⁴⁸	2018	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	2/8	15	1997-2014	Adults and children with bronchiectasis Adults and children	Macrolide antibiotics - 4 types	Placebo, no intervention
23 24 25	Knightly ⁴⁹	2017	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/7	25	1996-2017	with acute exacerbation of asthma	Magnesium sulfate	β2 -agonist, β2 - agonist + ipratropium, placebo
26 27	Kopsaftis ⁵⁰	2018	Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	11	1961-2004	People with chronic obstructive pulmonary disease	Inactivated influenza vaccine	Placebo
9 80 81											Aminosalicylates - 4 types, corticosteroids, superoxide dismutase, amifostine, bile acid sequestrants, magnesium oxide, misoprostol, octreotide,	
33 34 35 36	Lawrie ⁵¹	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/9	38	1978-2016	Adults (18 years and over) undergoing radiotherapy for pelvic cancers	selenium, sodium butyrate, sucralfate, ibuprofen, famotidine, smectite, simethicone, tropisetron	Placebo, no treatment
37 38	Leathersich ⁵²	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/4	8	1987-2007	Women with signs of fetal distress	Tocolytic agents – 7 types	Usual care, emergency delivery, cessation of oxytocic infusion
19 10	Lethaby ⁵³	2017	Cochrane Database of	6.8	Medicine, General & Internal	Non- industry	1/3	38	1989-2012	Women with uterine fibroids	Gonadotropin-hormone releasing analogue,	Placebo, no treatment
LI												

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3 4			Systematic Reviews								selective progesterone- receptor modulators	
5			Cochrane								Tooptor modulators	
			Database of									0.9% sodium chloride
6 7	López-Briz ⁵⁴	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/6	11	2002-2015	Adults with central venous catheters	Hanarin	(normal saline solution)
	Lopez-BHZ	2018	Reviews	0.8	& Internal	mausuy	0/0	11	2002-2013	Children (18 years	Heparin	solution)
8			Cochrane							and under) with		
9			Database of		M II : 0 1	N				prolonged wet		
10	Marchant ⁵⁵	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	2/4	3	1993-2012	cough (longer than 10 days)	Antibiotics - 2 types	Placebo, no treatment
11	Trial Chaire	2010	Cochrane	0.0	ce internar	maastry	2, .	J	1775 2012	10 (11)	7 introlottes 2 types	r ideeds, no dediment
12			Database of									
13	Matar56	2018	Systematic Reviews	6.8	Medicine, General	Non-	0/3	7	1963-1999	Patients with schizophrenia	Fluphenazine	Placebo
14	Matar ⁵⁶	2018	Cochrane	0.8	& Internal	industry	0/3	/	1903-1999	schizophrenia	riupiienazine	Placedo
15			Database of							People with solid or	Low-molecular weight	
16	N 57	2010	Systematic		Medicine, General	Non-	0.41	20	1006 2010	hematologic cancer	heparin (LMWH) - 10	Unfractionated heparin
17	Matar ⁵⁷	2018	Reviews Cochrane	6.8	& Internal	industry	0/11	20	1986-2018	undergoing surgery	types	(UFH), fondaparinux
18			Database of							Postoperative		
19			Systematic		Medicine, General	Non-				paediatric patients		
20	McNicol ⁵⁸	2018	Reviews	6.8	& Internal	industry	1/3	13	1992-2016	(17 years and under)	Ketorolac	Placebo, opioid
21										Children (16 years and under)		
22										presenting to a		
23			<i>a</i> .							hospital or		T
24			Cochrane Database of							emergency department in an		Diazepam + phenytoin, diazepam,
25			Systematic		Medicine, General	Non-				acute tonic-clonic		paraldehyde,
26	McTague ⁵⁹	2018	Reviews	6.8	& Internal	industry	0/3	18	1995-2014	convulsion	Lorazepam	midazolam
27			Cochrane							D (1) (1)		
28			Database of Systematic		Medicine, General	Non-				Patients with multiple myeloma		Placebo, no treatment -
29	Mhaskar ⁶⁰	2017	Reviews	6.8	& Internal	industry	0/4	24	1982-2015	(MM)	Bisphosphonates - 5 types	Network meta-analysis
30			Cochrane									
31			Database of Systematic		Medicine, General	Non-					Typhoid fever vaccines - 4	No treatment, placebo, typhoid-inactive
32	Milligan ⁶¹	2018	Reviews	6.8	& Internal	industry	0/4	18	1980-2016	Adults and children	types	agents
33	Ü		Cochrane			,					Tramadol, non-steroidal	Ü
34			Database of		M II : 0 1	N				People undergoing	anti-inflammatory drugs,	
35	Monk ⁶²	2017	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/4	32	1993-2016	orthodontic treatment	paracetamol, local anaesthetic	Placebo, no treatment
36	WOIK	2017	Cochrane	0.0	C Internal	maasay	0/-1	32	1775 2010	Patients with	anaestnetie	r iaccoo, no acament
37			Database of							hepatitis C virus-	Rituximab, interferon,	Usual care,
38	Montero ⁶³	2018	Systematic Reviews	6.8	Medicine, General	No fundingi	1 /7	10	1991-2012	associated mixed	immunosuppressive drug	immunoadsorption
39	Montero	2016	Keviews	0.8	& Internal	fundingi	1/7	10	1991-2012	cryoglobulinaemia Adults (18 years and	therapy	apheresis
40			Cochrane		Medicine, General	Non-				over) with chronic	Cannabis-based medicines	Placebo,
41	Mücke ⁶⁴	2018	Database of	6.8	& Internal	industry	2/5	16	2004-2017	neuropathic pain	- 5 types	dihydrocodeine
42												

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6 7 8	1
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2													
3			Systematic										
4			Reviews										
			Cochrane										
5			Database of										
6			Systematic		Medicine, General	Non-				Adults and children			
7	Narula ⁶⁵	2018	Reviews	6.8	& Internal	industry	3/7	10^{j}	1990-2014	with Crohn's disease	Corticosteroids - 5 types	Enteral nutrition	
8										Adults or children			
9			Cochrane							with partial onset			
-			Database of		M II : C 1	N				seizures or	A 41 11 41 10		
10	Nevitt ⁶⁶	2017	Systematic Reviews	6.8	Medicine, General & Internal	Non-	1/5	76	1981-2015	generalised onset	Antiepileptic drugs - 10	Network meta-analysis	
11	Nevillo	2017	Cochrane	0.8	& Internal	industry	1/3	70	1981-2013	tonic-clonic seizures Adults and children	types	Network meta-analysis	
12			Database of							with focal onset or			
13			Systematic		Medicine, General	Non-				generalised onset			
14	Nevitt ⁶⁷	2018	Reviews	6.8	& Internal	industry	1/4	14	1995-2015	seizures	Lamotrigine	Carbamazepine	
			Cochrane			_					8	1	
15			Database of							Adults (18 years and			
16			Systematic		Medicine, General	Non-				over) with venous		Dressings - 12 types;	
17	Norman ⁶⁸	2018	Reviews	6.8	& Internal	industry	1/6	78	1985-2016	leg ulcers	Topical agents - 10 types	Network meta-analysis	
18			Cochrane										
19			Database of		M 11 1 0 1					Children and adults			
	N 1169	2010	Systematic	(0	Medicine, General	Non-	0/6		1074 2016	with acute asthma	A 4:1-1:-4:	Dlk-	
20	Normansell ⁶⁹	2018	Reviews	6.8	& Internal	industry	0/6	6	1974-2016	exacerbation	Antibiotics - 4 types Propranolol, timolol	Placebo	
21											maleate, bleomycin,		
22										Children (17 years	atenolol, prednisolone,		
23			Cochrane							and under) with	captopril, ibuprofen +		
24			Database of							single or multiple	paracetamol, methylene		
25			Systematic		Medicine, General	Non-				haemangiomas	blue, triamcinolone,	Placebo, radiation,	
	Novoa ⁷⁰	2018	Reviews	6.8	& Internal	industry	1/7	24	1977-2016	located on the skin	methylprednisolone	lasers	
26										Preterm (< 37			
27			a 1							weeks' gestation)			
28			Cochrane							and low birth weight			
29			Database of Systematic		Medicine, General	No				(< 2500 grams) infants less than	Erythropoiesis-stimulating		
30	Ohlsson ⁷¹	2017	Reviews	6.8	& Internal	funding	0/2	34	1991-2017	eight days of age	agents (ESAs) - 2 types	Placebo, no treatment	
	Omsson	2017	Cochrane	0.0	& Internal	runung	0/2	54	1771 2017	Adults exhibiting	agents (ES/13) 2 types	raceso, no treatment	
31			Database of							aggression or		Placebo, other anti-	
32			Systematic		Medicine, General	No				agitation (or both)		psychotic medications	
33	Ostinelli ⁷²	2018	Reviews	6.8	& Internal	funding	1/5	3	2005-2016	due to psychosis	Aripiprazole	- 2 types	
34			Cochrane							Patients with		Haloperidol,	
35			Database of							psychosis-induced		olanzapine, quetiapine,	
			Systematic		Medicine, General	Non-				aggression or		oxcarbazepine,	
36	Ostinelli ⁷³	2018	Reviews	6.8	& Internal	industry	0/6	9	2010-2014	agitation	Risperidone	valproic acid	
37			Cochrane						1005	A 1 1/2 (10			
38			Database of		Madiaina Canaral	Non			1985-	Adults (18 years and over) with cancer			
39	Ostuzzi ⁷⁴	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	1/5	7	Unpublishe d	and depression	Antidepressants - 6 types	Placebo	
40	OSIUZZI	2010	REVIEWS	0.0	& mumal	muustiy	1/3	/	u	and depression	Anducpressants - 0 types	1 10000	
1 U													

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2												
3			Cochrane Database of							Children and adults		
5			Systematic		Medicine, General	Non-				with active Crohn's		
6	Parker ⁷⁵	2018	Reviews	6.8	& Internal	industry	2/5	2	2011-2013	disease	Naltrexone	Placebo
7												Tamoxifen, interferonalpha, interleukin-2,
8												interferon-alpha +
9											Single agent	interleukin-2, Bacille Calmette-Guérin
10											chemotherapy,	(BCG),
11										Patients with	polychemotherapy,	corynebacterium
12			Cochrane							unresectable lymph node metastasis and	temozolomide, dacarbazine, anti-CTLA4	parvum, anti-PD1 monoclonal
13			Database of							distant metastatic	monoclonal antibodies,	antibodies, sorafenib,
14	D 1:76	2010	Systematic	6.0	Medicine, General	Non-	0.15	122	1072 2015	cutaneous	other immunostimulating	elesclomo, anti-
15	Pasquali ⁷⁶	2018	Reviews Cochrane	6.8	& Internal	industry	0/5	122	1972-2015	melanoma	agents, MEK inhibitors	angiogenic drugs
16			Database of							Children (18 years	Omalizumab, leukotriene	
17	Pike ⁷⁷	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/4	4	2007-2017	and under) with asthma	receptor antagonists - 2 types, corticosteroids	Placebo
18	PIKE	2018	Cochrane	0.8	& Internal	maustry	0/4	4	2007-2017	astiiiia	types, corticosteroius	Placedo
19			Database of							Patients with		
20	Rirash ⁷⁸	2017	Systematic Reviews	6.8	Medicine, General & Internal	Not reported	Not reported/8	38	1982-2000	Raynaud's phenomenon	Calcium channel blockers	Placebo
21	Kirasii	2017	Cochrane	0.0	& internal	reported	reported/8		1702-2000	Adults (18 years and	Calcium channel blockers	1 lacebo
22			Database of		M. F. C. I	N				over) with	XX C : · · ·	
23 24	Robertson ⁷⁹	2017	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	6	1995-2016	unprovoked venous thromboembolism	Warfarin, aspirin, rivaroxaban	Placebo
25	11000115011	2017		0.0		madsiry	0/2			Sexually active	117 41 0140411	1 140000
26			Cochrane Database of							adults (16 years and		
27			Systematic		Medicine, General	Non-				over) with genital ulcers compatible	Macrolide antibiotics - 3	Other antibiotics - 4
28	Romero ⁸⁰	2017	Reviews	6.8	& Internal	industry	0/3	7	1983-1999	with chancroid	types	types
29			Cochrane Database of							People with scabies		
30			Systematic		Medicine, General	Non-				of all ages and either		
31	Rosumeck81	2018	Reviews	6.8	& Internal	industry	0/3	15	1996-2016	sex	Ivermectin	Permethrin
32			Cochrane Database of							Adults (18 years and		Local anaesthetic
33			Systematic		Medicine, General	Non-				over) undergoing		mixture (standard
34	Rüschen ⁸²	2018	Reviews	6.8	& Internal	industry	0/4	7	1995-2012	intraocular surgery	Hyaluronidase Mathylphanidate	treatment)
35											Methylphenidate, modafinil, cholinesterase	
36			~ .								inhibitors (ChEIs), atypical	
37			Cochrane Database of								antipsychotics, antidepressants,	
38			Systematic		Medicine, General	Non-				People with	mibampator, valproate,	
39	Ruthirakuhan ⁸³	2018	Reviews	6.8	& Internal	industry	2/5	21	1998-2017	Alzheimer's Disease	semagacestat	Placebo
40												

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3 4 5 6	Sankar ⁸⁴	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	No funding	0/3	6	2011-2016	Preterm infants with retinopathy	Anti-vascular endothelial growth factor agents - 2 types Levosimendan,	Cryo/laser therapy
7 8 9 10 11	Schumann ⁸⁵	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	3/9	13	1990-2013	Adults (18 years and over) with cardiogenic shock or acute low cardiac output syndrome	dobutamine, enoximone, epinephrine, norepinephrine- dobutamine, amrinone, dopexamine, dopamine, nitric oxid Acetazolamide, ibuprofen,	Placebo, no treatment
12 13 14 15 16	Simancas- Racines ⁸⁶	2018	Cochrane Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/6	13 ^k	1992-1994	People suffering from high altitude illness	dexamethasone, oxygen, nitric oxide, gabapentin, magnesium sulphate, sumatriptan	Placebo, normal air, unspecified control, paracetamol
17 18	Smith ⁸⁷	2017	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/2	4	1998-2015	Adults and children with cystic fibrosis	Salmeterol, tiotropium	No treatment, placebo Placebo, no treatment,
19 20 21 22 23	Smith ⁸⁸	2018	Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	70	1958-2017	Women in labour	Intramuscular or intravenous opioids - 16 types Alkaloids - 3 types, antidepressants - 3 types, levetiracetam, cyproheptadin,	intramuscular or intravenous opioids - 16 types
24 25 26 27 28 29 30	Soares-Weiser ⁸⁹	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/51	24 ^m	1971-2014	Adults with chronic psychiatric disorders People with coronary disease,	cyproneptadin, promethazine, buspiron, cognitive enhancers - 2 types, VMAT2 inhibitors, ethyleicosapentaenoic acid (ethyl-EPA), hormones - 3 types, lithium, ceruletide	Placebo
31 32 33 34 35 36	Squizzato ⁹⁰	2017	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	2/5	15	2001-2017	ischaemic cerebrovascular disease, peripheral arterial disease, or at high risk of atherothrombotic disease	Clopidrogel Articaine, articaine +	Placebo, usual care (aspirin)
37 38 39 40 41 42 43	St George ⁹¹	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	1/7	123	1954-2017	Individuals undergoing dental procedures and volunteers who took part in simulated scenario studies	epinephrine, lidocaine + epinephrine, bupivacaine + epinephrine, mepivacaine + epinephrine, mepivacaine + levonordefrin,	Local anaesthetics
43												

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3 4											mepivacaine, prilocaine, prilocaine + felypressin,	
5 6			Cochrane								prilocaine + epinephrine	
7			Database of Systematic		Medicine, General	Non-				Adults and children		
8	Stern ⁹²	2017	Reviews	6.8	& Internal	industry	0/6	17	1972-2015	with pneumonia	Corticosteroids - 7 types	Placebo, usual care
9										Children and adolescents (18		
10										years or under) with autism spectrum		
11 12			Cochrane							disorder (ASD) or		
13			Database of Systematic		Medicine, General	No				pervasive developmental		
14	Sturman ⁹³	2017	Reviews	6.8	& Internal	funding	0/3	4	1995-2013	disorder (PDD)	Methylphenidate	Placebo
15			Cochrane Database of							Psychiatric patients with antipsychotic-		
16	Tammenmaa-	2010	Systematic	6.0	Medicine, General	Non-	0/4	1.4	1076 2014	induced tardive	CL III I C	DI I
17 18	Aho ⁹⁴	2018	Reviews	6.8	& Internal	industry	0/4	14	1976-2014	dyskinesia Adults (17 years and	Cholinergic drugs - 6 types	Placebo
19			Cochrane							over) with severe mental illness and		
20			Database of							co-occurring		
21	Temmingh ⁹⁵	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	2/4	8	2006-2014	substance use disorder	Risperidone	Other antipsychotics - 5 types
22	Tellillingii	2010	Cochrane	0.0	æ mæmar	maasay	2/4		2000-2014	Adults with HIV-	Kisperidone	3 types
23 24			Database of Systematic		Medicine, General	Non-				associated cryptococcal	Antifungal induction	
25	Tenforde ⁹⁶	2018	Reviews	6.8	& Internal	industry	1/7	13	1997-2018	meningitis	therapies - 6 types	Network meta-analysis
26												H2 receptor antagonists, proton
27												pump inhibitors,
28												prostaglandin analogues,
29 30											H2 receptor antagonists,	anticholinergics, antacids, sucralfate,
31											proton pump inhibitors,	teprenone, naloxone,
32			Cochrane Database of								prostaglandin analogues, anticholinergics, antacids,	bioflavonoids, placebo, no treatment,
33	07		Systematic		Medicine, General	Non-				People admitted to	sucralfate, teprenone,	other medication (not
34	Toews ⁹⁷	2018	Reviews Cochrane	6.8	& Internal	industry	0/7	103 ⁿ	1977-2016	intensive care units Children (16 years	naloxone, bioflavonoids	defined)
35 36			Database of		M. F. C. I	N				and under) with		
37	Venekamp ⁹⁸	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	1/4	3°	1992-1996	recurrent acute otitis media	Antibiotics - 3 types	Grommets
38	-		Cochrane Database of			,				Individuals who had		
39			Systematic		Medicine, General	Non-				an ischemic or		
40	Vermeij ⁹⁹	2018	Reviews	6.8	& Internal	industry	0/6	8	1998-2016	hemorrhagic stroke	Preventive antibiotics	Placebo, standard care
41												

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3										Patients with critical		
4			Cochrane							limb ischaemia		
5			Database of						1983-	unsuitable for rescue		
			Systematic		Medicine, General	Non-			Unpublishe	or reconstructive		Placebo, other active
6	Vietto ¹⁰⁰	2018	Reviews	6.8	& Internal	industry	0/6	33	d	intervention	Prostanoids - 7 types	drugs - 4 types
7			Cochrane									
8			Database of									
			Systematic		Medicine, General	Non-				Patients with acute		
9	Wall ¹⁰¹	2018	Reviews	6.8	& Internal	industry	0/5	5	1995-2014	bacterial meningitis	Glycerol	Treatment as usual
10										Adult patients (over		
11										18 years)		
12			0.1							undergoing any		
13			Cochrane							elective or urgent		Discolor on the total
			Database of Systematic		Medicine, General	Non-				surgical procedure under general		Placebo, no treatment, thoracic epidural
14	Weibel ¹⁰²	2018	Reviews	6.8	& Internal	industry	3/10	68	1985-2017	anaesthesia	Lidocaine	analgesia - 3 types
15	WEIDEI	2016	Cochrane	0.8	& Internal	ilidustry	3/10	08	1963-2017	anaesmesia	Thiazides, beta-blockers,	anaigesia - 3 types
16			Database of							Adult patients with	angiotensin-converting-	
17			Systematic		Medicine, General	Non-				primary	enzyme inhibitors, calcium	
	Wright103	2018	Reviews	6.8	& Internal	industry	0/3	24	1966-2008	hypertension	channel blockers	Placebo
18										Patients with focal		
19			Cochrane							epilepsy that failed		
20			Database of							to respond to one or		
21			Systematic		Medicine, General	Non-				more antiepileptic		
	Xiao ¹⁰⁴	2018	Reviews	6.8	& Internal	industry	0/4	2	2001-2003	drugs	Losigamone	Placebo
22			Cochrane									
23			Database of							Adult and elder		
24	105		Systematic		Medicine, General	No				patients with solid	Thrombopoietin receptor	
25	Zhang ¹⁰⁵	2017	Reviews	6.8	& Internal	funding	0/5	3	2009-2015	tumours	agonists (TPO-RAs)	Placebo
26			Cochrane									
			Database of		Medicine, General	Non-				Adults (18 years and over) with		
27	Zhou ¹⁰⁶	2017	Systematic Reviews	6.8	& Internal	industry	0/6	5	2004-2014	neuropathic pain	Oxcarbazepine	Placebo
28	Ziiou	2017	Keviews	0.8	& Internal	mausuy	0/0	3	2004-2014	Adult patients with	Oxearoazepine	Flacebo
29			Cochrane							an ischaemic stroke,		
30			Database of							haemorrhagic stroke		
			Systematic		Medicine, General	Not				or transient	Blood pressure-lowering	
31	Zonneveld107	2018	Reviews	6.8	& Internal	reported	0/7	11	1970-2017	ischaemic attack	drugs (BPLDs) - 5 types	Placebo, no treatment
32	General Medicin	e(n = 33)				•					, , , , , , , , , , , , , , , , , , ,	<u> </u>
33		. (Direct acting oral	
34										Adults with non-	anticoagulants - 5 types,	
35					Medicine, General	Non-				valvular atrial	vitamin K antagonists,	Network Meta-
36	López-López108	2017	BMJ	23.6	& Internal	industry	018	23	1989-2014	fibrillation	antiplatelet agents	analysis
						,				Children and adults		No treatment, other
37					Medicine, General	Non-				with uncomplicated		antibiotics - Network
38	Wang ¹⁰⁹	2018	BMJ Open	2.4	& Internal	industry	0/8	14	1977-2017	skin abscesses	Antibiotics - 10 types	meta-analysis
39									1979-	Adults (18 years and		
40			_		Medicine, General	Non-			Unpublishe	over) with major		Placebo - Network
	Cipriani ¹¹⁰	2018	Lancet	53.3	& Internal	industry	4/18	522	d	depressive disorder	Antidepressants - 21 types	meta-analysis
41												
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3					Medicine, General	Non-						
4	Chen ¹¹¹	2018	Medicine	2.0	& Internal	industry	0/3	9	2009-2017	Patients with sepsis	Statins - 3 types	Placebo
5										Patients with		
6										hormone receptor- positive or human		
7										epidermal growth		
8										factor receptor 2		
9	D: 112	2010		• •	Medicine, General	No	0.16		2014 2017	negative advanced	Cyclin-dependent kinases	P
10	Ding ¹¹²	2018	Medicine	2.0	& Internal	funding	0/6	6	2014-2017	breast cancer Adults undergoing	4/6 inhibitors - 3 types	Placebo
					Medicine, General	Non-				total knee		
11	Guo ¹¹³	2018	Medicine	2.0	& Internal	industry	0/8	5	2004-2017	arthroplasty (TKA)	Tranexamic acid (TXA)	Placebo, no treatment
12										Patients with		
13	Hom114	2018	Medicine	2.0	Medicine, General	Not	0/7	18	2007-2016	myocardial infarction	Statins - 3 types	Placebo
14	Han ¹¹⁴	2018	Medicine	2.0	& Internal	reported	0//	10	2007-2016	Patients with acute	Statilis - 3 types	Placedo
15										coronary syndrome,		
16										percutaneous		
17										coronary		
18										intervention, or coronary stents		
19										given combination		
20					Medicine, General	Not				therapy with aspirin		
21	Hu ¹¹⁵	2018	Medicine	2.0	& Internal	reported	0/5	4	2010-2016	and clopidogrel	Proton pump inhibitors	Placebo
22					Medicine, General	Not				Patients with pterygium or	Antivascular endothelial growth factor agents - 3	
23	Huang ¹¹⁶	2018	Medicine	2.0	& Internal	reported	0/5	18	2010-2015	glaucoma	included	Placebo, sham
24	Č					1				Patients with		,
25	Y: 117	2010	M . F . '	2.0	Medicine, General	Non-	0.15	12	2010 2017	diabetic peripheral	Fasudil + methylcobalamin	Methylcobalamin or
26	Jiang ¹¹⁷	2018	Medicine	2.0	& Internal	industry	0/5	13	2010-2017	neuropathy Adult women with	or lipoic acid Antiangiogenic therapy (7	lipoic acid alone
27										pathologically	included) alone or	
28					Medicine, General	Non-				confirmed epithelial	combined with	Placebo or
29	Jiang ¹¹⁸	2018	Medicine	2.0	& Internal	industry	0/4	15	2011-2016	ovarian cancer	chemotherapy	chemotherapy alone
30					Medicine, General	Non-				Patients with advanced non-small	Immune checkpoint inhibitors: anti-PD1/PD-L1	Chemotherapy - 6
	Khan ¹¹⁹	2018	Medicine	2.0	& Internal	industry	0/8	7	2015-2017	cell lung cancer	therapies - 3 types	regimens
31										Patients undergoing		8
32					Medicine, General	No				total knee or hip		Normal saline or
33	Liang ¹²⁰	2017	Medicine	2.0	& Internal	funding	0/4	3	2016-2017	arthroplasty	Acetaminophen	placebo
34	Liu ¹²¹	2018	Medicine	2.0	Medicine, General & Internal	No funding	0/7	5	1999-2007	Adults with social anxiety disorder	Fluvoxamine	Placebo
35	Dia	2010	Wiedienie	2.0	& Internal	runamg	0//	3	1777 2007	Children and adults	1 Idvoxumme	1 laccoo
36										requiring		Normal saline, K-Y
37	r 122	2017	M. P. I	2.0	Medicine, General	No .	0/0	10	1000 2015	nasogastric	Y : 1	lubricant gel, or no
38	Lor ¹²²	2017	Medicine	2.0	& Internal	funding	0/8	10	1999-2015	intubation Adults with	Lidocaine	treatment
39										intertrochanteric		
40					Medicine, General	No				fractures preparing		
41	Wang ¹²³	2017	Medicine	2.0	& Internal	funding	0/2	4	2015-2017	for internal fixation	Tranexamic acid	Placebo, no treatment
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3										(dynamic hip		
4										screws, proximal		
5										femoral nail		
5										antirotations)		DI 1 ((1
7												Placebo, octreotide, norepinephrine,
, -										Patients with		dopamine +
3					Medicine, General	No				hepatorenal		furosemide, octreotide
9	Wang ¹²⁴	2018	Medicine	2.0	& Internal	funding	0/5	18	2001-2016	syndrome	Terlipressin	+ midodrine
10					Medicine, General	Not				Patients undergoing		
11	Wang ¹²⁵	2018	Medicine	2.0	& Internal	reported	0/3	4	1993-2011	bronchoscopy	Propofol	Midazolam
12					Medicine, General	Not						Chemotherapy, everolimus,
13	Wei ¹²⁶	2017	Medicine	2.0	& Internal	reported	0/2	14	2015-2017	Cancer patients	PD-1 inhibitors - 2 types	ipilimumab
14	****	2017	Wedieme	2.0	C Internal	reported	0/2		2013 2017	Women of	Non-steroidal anti-	риниши
15										reproductive age	inflammatory drugs,	
					Medicine, General	Non-				with primary	analgesics, oral	
16	Woo ¹²⁷	2018	Medicine	2.0	& Internal	industry	0/7	34 ^p	1998-2017	dysmenorrhea	contraceptives	Acupuncture
17										Patients who were administered xenon		
18					Medicine, General	Non-				versus propofol as a		
19	Xia ¹²⁸	2018	Medicine	2.0	& Internal	industry	0/6	13	2004-2012	general anesthetic	Xenon	Propofol
20										Patients prepared for		1
21					Medicine, General	Not				primary total hip		
22	Yang ¹²⁹	2017	Medicine	2.0	& Internal	reported	0/4	7	2008-2016	arthroplasty (THA)	Glucocorticoids - 3 types	Placebo, no treatment
23					Medicine, General	Not				Patients undergoing laparoscopic		
23 24	Ye^{130}	2017	Medicine	2.0	& Internal	reported	0/3	5	2004-2016	cholecystectomy	Ketamine	Placebo
		2017	Titouronio	2.0	Medicine, General	No	0,5		200.2010	Adults with acute	110000000000000000000000000000000000000	1 110000
25	Yu^{131}	2018	Medicine	2.0	& Internal	funding	0/6	8	2009-2017	heart failure	Serelaxin	Placebo
26										Patients with		
27										locoregionally		
28					Medicine, General	Non-				advanced nasopharyngeal	Neoadjuvant chemotherapy	
29	Yuan ¹³²	2018	Medicine	2.0	& Internal	industry	0/9	31	1995-2016	carcinoma	regimens - 16 included	Network meta-analysis
30											Aspirin, aspirin +	
31											dipyridamole, aspirin +	
32						3.7 ·					clopidogrel, aspirin +	
33	Zhang ¹³³	2018	Medicine	2.0	Medicine, General & Internal	Not	0/2	12	2001-2014	Adults with cerebral infarction	warfarin, cilostazol,	Naturali mata analysis
22	Zhang	2018	Medicine	2.0	& Internal	reported	0/2	13	2001-2014	Healthy volunteers	warfarin, and ticlopidine	Network meta-analysis
34										and people with		Placebo, other
35					Medicine, General	Non-				congestive heart	Histamine H2 antagonists -	conventional therapy
36	Zhang ¹³⁴	2018	Medicine	2.0	& Internal	industry	0/8	10	1989-2006	failure	5 types	medicines - 3 types
37										Adult patients		
38					Medicine, General	Not				prepared to undergo laparoscopic		
39	Zhao ¹³⁵	2018	Medicine	2.0	& Internal	reported	0/7	5	2008-2017	cholecystectomy	Lidocaine	Placebo, saline
40	Ziido	2010	Manageme	2.0	Medicine, General	No	OI I	3	2000 2017	Patients with a	Lidocamo	i ideedo, suime
41	Zhao ¹³⁶	2018	Medicine	2.0	& Internal	funding	0/3	4	2013-2017	diagnosis of	Nefopam	Saline or usual care
42												

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2 3 4 5 6 7 8 9 10	Z hou 137	2018	Medicine	2.0	Medicine, General & Internal	No funding	0/4	6	2013-2017	symptomatic cholelithiasis and acute cholecystitis who prepared for laparoscopic cholecystectomy Adults with end- staged knee osteoarthritis undergoing total knee arthroplasty	Dexamethasone	Placebo, no treatment
12 13 14 15	Zhu ¹³⁸	2018	Medicine	2.0	Medicine, General & Internal	Not reported	0/3	8	2002-2016	Patients who underwent total hip arthroplasty	Selective non-steroidal anti-inflammatory drugs (selective COX-2 inhibitors) - 4 types	Non-selective non- steroidal anti- inflammatory drugs (non-selective COX-2 inhibitors) - 4 types
16	Zhou ¹³⁹	2018	Postgraduate Medicine	2.1	Medicine, General & Internal	No funding	0/5	10	2007-2017	Patients with dyslipidemia	Anacetrapib	Placebo, placebo + usual care
17 18 19			Revista da Associação							Patients with complicated intra- abdominal infections and	·	
20 21	Zhang ¹⁴⁰	2018	Médica Brasileira	0.7	Medicine, General & Internal	Non- industry	Not reported/6	6	2012-2016	complicated urinary tract infections	Ceftazidime-avibactam	Other antibiotics - 3 types, usual care
22	Specialty medicing	ne (n = 100))									
23 24 25 26	Li ¹⁴¹	2018	Acta Ophthalmologic a	3.3	Ophthalmology	Non- industry	Not reported/3	72	1995-2015	Patients with primary open-angle glaucoma or ocular hypertension	Prostaglandin analogues, alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics	Placebo - Network meta-analysis
24 25	Li ¹⁴¹ Tarantini ¹⁴²	2018 2018	Ophthalmologic a American Heart Journal	3.3	Cardiac & Cardiovascular Systems Cardiac &			72 5	1995-2015 2007-2016	primary open-angle glaucoma or ocular	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase	
24 25 26 27 28 29 30 31 32			Ophthalmologic a American Heart		Cardiac & Cardiovascular Systems	industry No	reported/3			primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors -	meta-analysis
24 25 26 27 28 29 30 31 32 33 34 35	Tarantini ¹⁴²	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular	4.2	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology &	No funding	reported/3 0/7	5	2007-2016	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis
24 25 26 27 28 29 30 31 32 33 34	Tarantini ¹⁴² Wang ¹⁴³	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and	2.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care	No funding Non-industry Non-	reported/3 0/7 0/3 Not	5	2007-2016	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis

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2													
3 4 5 6	Veettil ¹⁴⁷	2017	BMC Cancer	3.3	Oncology	No funding	0/6	8	2003-2014	Adults with history of colorectal cancer or adenoma	Aspirin, non-aspirin nonsteroidal anti- inflammatory drugs (NSAIDs) Purine-like xanthine	Placebo, no treatment	
7 8 9 10	Bredemeier ¹⁴⁸	2018	BMC Cardiovascular Disorders	1.8	Cardiac & Cardiovascular Systems	No funding	0/9	91	1973-2017	Adults under treatment for any clinical condition Patients with post-	oxidase inhibitors - 2 types, non-purine-like xanthine oxidase inhibitors - 2 types	Placebo, no treatment	
11 12 13			BMC Gastroenterolog		Gastroenterology &	Non-	0.5			endoscopic retrograde cholangiopancreatog raphy pancreatitis	Nonsteroidal anti- inflammatory drugs		
14 15	Lyu ¹⁴⁹	2018	y	2.7	Hepatology	industry	0/5	22	2003-2017	(PEP) Patients with	(NSAIDs) - 6 types	Placebo	
16 17 18	Xing ¹⁵⁰	2017	BMC Infectious Diseases	2.6	Infectious Diseases	Non- industry	0/6	16	2001-2016	invasive fungal infections Patients undergoing total shoulder arthroplasty or	Voriconazole	Other antifungal agents - 7 types	
19 20 21 22 23 24	Kuo ¹⁵¹	2018	Musculoskeletal Disorders	2.0	Orthopedics; Rheumatology	No funding	0/4	3	2015-2017	reverse shoulder arthroplasty	Tranexamic acid Pharmacological agents for traumatic brain injury – 14 types, pharmacological agents for stroke – 23 types, pharmacological	Placebo	
25 26 27 28 29			ВМС			No				Patients with ischemic or hemorrhagic stroke, traumatic brain injury, or bacterial	agents for bacterial meningitis – 1 type, pharmacological agents for intracerebral haemorrhage – 6 types, pharmacological agents for aneurysmal subarachnoid hemorrhage		
30 31 32 33	Beez ¹⁵²	2017	Neurology	2.2	Clinical Neurology	funding	0/3	110 ^q	1983-2015	meningitis Patients with primary or recurrent pterygium undergoing surgical	– 19 types Anti-fibrotic and anti-VEGF (vascular	Unspecified control	
34 35 36 37	Zeng ¹⁵³	2017	BMC Ophthalmology	1.8	Ophtamology	No funding	0/7	32	1990-2016	removal combined with toxic agents Patients with acute coronary syndrome and patients who underwent	endothelial growth factor) medications - 3 types	Placebo - Network meta-analysis	
38 39 40 41	Bundhun ¹⁵⁴	2017	BMC Pharmacology & Toxicology	1.9	Pharmacology & Pharmacy; Toxicology	Non- industry	0/3	4	2013-2016	percutaneous coronary intervention	Prasugrel	Ticagrelor	

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3										People with		
4										schizophrenia or		
5										related disorders that		
										had a duration of		
6	771 155	2015	BMC		B 11.	No	0/11	4.5	2002 2017	treatment that was	Antipsychotic drugs - 12	Placebo - Network
7	Zhang ¹⁵⁵	2017	Psychiatry	2.4	Psychiatry	funding	0/11	47	2003-2015	no more than 1 year Patients with acute	types	meta-analysis
8										exacerbations of		
9			BMC							chronic obstructive		
10			Pulmonary			No				pulmonary disease		Placebo - Network
11	Zhang ¹⁵⁶	2017	Medicine	2.7	Respiratory System	funding	0/5	19	1996-2016	(COPD)	Antibiotics - 17 types	meta-analysis
12			BMC			N						
13	Zhang ¹⁵⁷	2017b	Pulmonary Medicine	2.7	Respiratory System	Non- industry	0/4	25	1993-2016	Preterm infants	Corticosteroids	Placebo
14	Zhang	20170	Medicine	2.1	Respiratory System	muusuy	0/4	23	1993-2010	Post-menopausal	Corticosteroids	1 laccoo
										women with		
15										metastatic HR-	Cyclin-dependent kinase	
16					Oncology;	1				positive, HER2-	4/6 inhibitors - 3 types +	
17	Ramos-Esquivel	2018	Breast Cancer	1.0	Obstetrics &	No funding	0/4	3	2016 2017	negative breast	aromatase inhibitor - 2	Aromatase inhibitors -
18	130	2018	British Journal	1.8	Gynecology	funding	0/4	3	2016-2017	cancer Patients with	types Non-steroidal anti-	2 types
19			of Sports			Non-				osteoarthritis in any	inflammatory drugs - 9	
20	Zeng ¹⁵⁹	2018	Medicine	7.9	Sport Sciences	industry	0/12	36	1979-2016	joint	types	Network meta-analysis
21						-				-		FOLFOX (leucovorin
22												+ fluorouracil +
23												oxaliplatin) +
24												bevacizumab, FOLFIRI (leucovorin
			Cellular							Patients with	FOLFOXIRI (leucovorin +	+ fluorouracil +
25			Physiology and		Cell Biology;	Not				metastatic colorectal	fluorouracil + oxaliplatin +	irinotecan) +
26	Shui ¹⁶⁰	2018	Biochemistry	5.5	Physiology	reported	0/6	4	2015-2017	cancer	irinotecan) + bevacizumab	bevacizumab
27												Miltefosine,
28			Clinical							Patients with		paromomycin, antimonial compounds
29			Microbiology		Infectious Diseases;	No				visceral		- 2 types, pentamidine,
30	Rodrigo ¹⁶¹	2018	and Infection	5.4	Microbiology	funding	0/4	28	1996-2017	leishmaniasis	Amphotericin B	sitamaquine
31												Placebo, nonsteroidal
32										Patients with	T	anti-inflammatory
33										ankylosing spondylitis and non-	Tumor necrosis factor (TNF) inhibitors - 5 types,	drugs (NSAIDs), disease modifying
34			Clinical			Non-				radiographic axial	non-tumor necrosis factor	antirheumatic drugs
	Wang ¹⁶²	2018	Rheumatology	2.1	Rheumatology	industry	0/3	25	2002-2014	spondyloarthritis	(TNF) inhibitors - 2 types	(DMARDs)
35	-		2,		<i>C.</i>	,				- ·	Low molecular-weight	
36			Critical							A 1 10 221	heparin (LMWH) – 5	D' 1
37			Reviews in		Oncology	No				Adults with acute	types, enoxaparin +	Rivaroxaban,
38	Hong ¹⁶³	2018	Oncology / Hematology	4.5	Oncology; Hematology	No funding	1/5	13	1996-2015	venous thromboembolism	vitamin K antagonists (VKA)	unfractionated heparin (UFH)
39	6	2010	1101114101053	1.5	110111111111111111111111111111111111111	- 41141115	1,0	15	1000 2010	Patients with	Proprotein convertase	Placebo, placebo +
40					Endocrinology &	Not				familial or	subtilisin/kexin type 9 gene	other lipid-lowering
41	de Carvalho ¹⁶⁴	2018	Diabetes Care	13.4	Metabolism	reported ^r	0/3	20	2012-2017	nonfamilial	inhibitors (PCSK9i)	therapy
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12												

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										hypercholesterolemi		
			Digestive							a Adults (18 and over)		Placebo, standard
			Diseases and		Gastroenterology &	Not				with organic or		treatment, no
	Jaafar ¹⁶⁵	2018	Sciences	2.8	Hepatology	reported	0/5	17	2000-2016	functional dyspepsia	Rebamipide	treatment
					DI 1 0	NY .				Patients with		
	Liu ¹⁶⁶	2018	Deug Dalissams	3.1	Pharmacology &	Not	0/2	9	2002-2015	neurodegenerative movement disorders	Riluzole	Placebo
	Liu	2018	Drug Delivery	3.1	Pharmacy	reported	0/2	9	2002-2013	Patients undergoing	Kiluzole	Piacedo
0										coronary		
1					Chemistry,					angiography (CAG)		
2			Drug Design,		Medicinal;					or percutaneous		
3	Liu ¹⁶⁷	2010	Development	2.0	Pharmacology &	Not	0.75	0	2010 2016	coronary	A a constant	DI I
<i>_</i> 1	Liuio	2018	and Therapy	2.9	Pharmacy Chemistry,	reported	0/5	9	2010-2016	intervention (PCI)	Atorvastatin	Placebo
4			Drug Design,		Medicinal;					Adults (≥ 18 years)		
5			Development		Pharmocology &	Not				undergoing spinal		
6	Sun ¹⁶⁸	2017	and Therapy	2.9	Pharmacy	reported	0/5	9	2009-2016	anesthesia	Dexmedetomidine	Fentanyl
7										Adults with		
8			East Asian Archives of			Not				traumatic brain injuries and		
9	Paraschakis169	2017	Psychiatry	None	Not applicable	Not reported	0/2	4	2005-2010	depressive disorders	Antidepressants - 2 types	Placebo
0	Turusenakis	2017	Emergency	TVOILE	rot applicable	reported	0,2	·	2003 2010	depressive disorders	7 increepressants 2 types	1 140000
1			Medicine		Emergency	No				Patients taking acute		
2	D'Souza ¹⁷⁰	2018	Journal	2.0	Medicine	funding	0/8	4	2001-2016	antiemetic drugs	Diphenhydramine	Placebo
3										Adult women with epithelial ovarian		
										cancer, fallopian		
4										tube cancer, or		
5										primary peritoneal		
6										cancer who have		
7			European							achieved complete clinical remission		
8			Journal of		Oncology;					after debulking		
9			Gynecological		Obstetrics &	Not	Not			surgery and first-line	CA125-targeted antibody –	
0	Mei ¹⁷¹	2016	Oncology	0.6	Gynecology	reported	reported/4	4	2004-2013	chemotherapy	2 types	Placebo
1			European			.				Patients with		
2	Verberkt172	2017	Respiratory Journal	12.2	Respiratory System	Non- industry	3/9s	35	1982-2015	chronic breathlessness	Opioids - 8 types	Placebo
3	VCIOCIKI	2017	Expert Opinion	12.2	Respiratory System	musuy	319	33	1902-2013	Critically ill patients	Antacids, proton pump	1 laccoo
4			on							receiving stress	inhibitors (PPI), histamine-	
_			Pharmacotherap		Pharmacology &	No				ulcer prophylaxis	2 receptor antagonists	Placebo - Network
5 6	Sridharan ¹⁷³	2018	у	3.5	Pharmacy	funding	0/3	51	1980-2016	(SUP)	(H2RA), and sucralfate	meta-analysis
0			Expert Review of Clinical		Pharmacology &	No				Patients undergoing coronary artery		
/	Habibi ¹⁷⁴	2018	Pharmacology	2.8	Pharmacy	funding	0/4	5	1999-2012	bypass surgery	Lidocaine	Placebo
8					· ,			-		Patients with stable	~ = ======	
9			Expert Review							angina pectoris		Placebo (saline,
0	Li ¹⁷⁵	2010	of Clinical	2.0	Pharmacology &	Non-	0/4	1.4	2002 2017	requiring elective	N: J:1	isosorbide dinitrate),
1	Ll''	2018	Pharmacology	2.8	Pharmacy	industry	0/4	14	2002-2017	percutaneous	Nicorandil	no treatment
2												

1												
2												
3										coronary		
4										intervention (PCI)		
5	C		Expert Review		DI 1 0	N				Patients diagnosed	Anti-vascular endothelial	CI :
6	Sangroongruang sri ¹⁷⁶	2018	of Clinical	2.8	Pharmacology &	Non-	0/5	11	2010-2017	with retinal vein occlusion	growth factor (VEGF) drugs - 3 types	Sham injection - Network meta-analysis
	SIII	2018	Pharmacology	2.8	Pharmacy	industry	0/3	11	2010-2017	Adult patients with	drugs - 3 types	Network meta-analysis
7										foot or ankle trauma		
8										treated with below		
9			Foot and Ankle			Not				knee cast or splint	Low molecular weight	
10	Hickey ¹⁷⁷	2018	Surgery	1.5	Orthopedics	reported	0/7	7	1993-2015	immobilization	heparin - 5 types	Placebo, no treatment
11	,		0 1		Oncology;	•				Patients with	Targeted agents - 11 types,	ŕ
					Gastroenterology &	Non-				advanced gastric	targeted agents +	Placebo - Network
12	Zhao ¹⁷⁸	2018	Gastric Cancer	5.0	Hepatology	industry	0/9	16	2002-2017	cancer	chemotherapy	meta-analysis
13											Orlistat, loracaserin,	
14										Obese and	naltrexone-bupropion,	N. 1 .
15	Khera ¹⁷⁹	2010	Gastroenterolog	20.0	Gastroenterology &	No	0/9	29	1000 2015	overweight adults	phentermine-topiramate,	Placebo - Network
16	Knera	2018	у	20.8	Hepatology	funding	0/9	29	1998-2015	(18 years and over)	liraglutide Methotrexate (MEX) based	meta-analysis
17										Patients with low-	chemotherapy regimens,	
					Oncology;					risk gestational	actinomycin-d (Act-D)	
18			Gynecologic		Obstetrics &	Non-				trophoblastic	based chemotherapy	
19	Li ¹⁸⁰	2018	Oncology	4.5	Gynecology	industry	0/6	7	2005-2016	neoplasia (LRGTN)	regimens	Network meta-analysis
20					Gastroenterology &					Patients with		•
21					Hepatology;	Non-				helicobacter pylori		Other antibiotics - 7
22	Zhuge ¹⁸¹	2018	Helicobacter	4.1	Microbiology	industry	0/6	18	1999-2016	infection	Furazolidone	types
23	TZ: 182	2017	Indian Journal	0.7	0 1	No	0/4	21	1002 2011	Adults at risk of	C	DI I
	Kim ¹⁸²	2017	of Cancer	0.7	Oncology	funding	0/4	21	1993-2011	developing cancer Patients undergoing	Statins - 7 types	Placebo
24			Indian Journal							endoscopic		
25			of							retrograde		
26			Gastroenterolog			Not				cholangiopancreatog		
27	Garg ¹⁸³	2018	у	None	Not applicable	reported	0/4	6	2007-2016	raphy	Indomethacin	Placebo
28										Immunosuppressed		
			Infectious			Not				haematology-		Other antifungal
29	Rosanova ¹⁸⁴	2017	Diseases	1.9	Infectious Diseases	reported	0/5	7	2002-2011	oncology patients	Voriconazole	agents or placebo
30			T C 1		T 1	N				Adults (17 years and		Non-steroidal anti-
31	Yu ¹⁸⁵	2018	Inflammopharm	3.3	Immunology; Toxicology	Non- industry	0/6	3	2007-2016	over) diagnosed with acute gout	Prednisolone	infammatory drugs (NSAIDs) - 2 types
32	ı u ···	2018	acology	3.3	Toxicology	maustry	0/6	3	2007-2016	Patients with	Prednisolone	(NSAIDS) - 2 types
33										chronic venous		
34			International		Peripheral Vascular	Not				disorders (CVD) or	Micronized purified	
	Kakkos ¹⁸⁶	2018	Angiology	1.2	Disease	reported	2/2	7	1982-2015	venous edema	flavonoid faction (Daflon)	Placebo
35			International		Immunology;	•				Adults with	` '	
36			Immunopharma		Pharmacology &	No	Not			moderate-to-severe		
37	Ou^{187}	2018	cology	3.1	Pharmacy	funding	reported/5	8	2014-2017	atopic dermatitis	Dupilumab	Placebo
38			T 4 41 1		r 1					Children diagnosed		
39			International		Immunology;	No				with recurrent		Dlacaba routino
40	Yin188	2018	Immunopharma cology	3.1	Pharmacology & Pharmacy	No funding	0/4	53	1984-2017	respiratory tract infections (RRTIs)	Broncho-Vaxom	Placebo, routine therapies
	1 111	2010	Cology	5.1	1 Harmacy	runumg	U/ T	JJ	1707-201/	miccions (KK118)	DIVIDEN CAVIII	merapies
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3			International Journal of									
4			Clinical			Non-					Anti-EGFR monoclonal	
5	Zhu ¹⁸⁹	2018	Oncology	2.6	Oncology	industry	0/7	35	2005-2016	Cancer patients	antibodies (EGFR-MoAbs)	Placebo, usual care
6			International			-				-		
7	Liu ¹⁹⁰	2010	Journal of	1.0	N	Not	0/2	4	2007 2016	Patients with seizures	Lacosamide	Dlasaka
8	Liuiso	2018	Neuroscience	1.8	Neurosciences	reported	0/2	4	2007-2016	Patients with	Lacosamide	Placebo
9			International							advanced gastric and		No neoadjuvant
10			Journal of			No				esophago-gastric	Neoadjuvant chemotherapy	chemotherapy (only
11	Coccolini ¹⁹¹	2018	Surgery	2.7	Surgery	funding	0/12	15	1993-2014	cancer	(with surgery)	surgery)
12			International							Patients with		Placebo, no treatment ("nothing controlled
13			Journal of			Non-				scheduled total knee		multimodal analgesia
14	Fan ¹⁹²	2018	Surgery	2.7	Surgery	industry	0/8	7	2005-2016	arthroplasty	Dexamethasone	method")
15										Patients with a		
16										diagnosis of symptomatic		
17										cholelithiasis and		
18										acute cholecystitis		
			International							who prepared for		
19	¥ :102	2010	Journal of	2.7	0	No	0.15		2000 2017	laparoscopic	***	701 I I'
20	Li ¹⁹³	2018	Surgery	2.7	Surgery	funding	0/5	6	2008-2017	cholecystectomy Patients undergoing	Lidocaine	Placebo, saline
21										anaesthesia as part		
22										of endoscopic		
23			International							retrograde		
24	Li ¹⁹⁴	2018	Journal of	2.7	C	No	0/4	17	1998-2017	cholangiopancreatog	Anaesthetic medications -	No drug - Network
25	Ll.	2018	Surgery	2.7	Surgery	funding	0/4	1/	1998-2017	raphy Patients undergoing	12 types	meta-analysis
26			International							total knee		
27			Journal of			Non-				arthroplasty or total		
28	Liu ¹⁹⁵	2018	Surgery	2.7	Surgery	industry	0/5	3 ^t	2005-2017	hip arthroplasty	Tranexamic acid	Aminocaproic acid
29			International Journal of			No				Patients with symptomatic knee		
30	Ran ¹⁹⁶	2018	Surgery	2.7	Surgery	funding	0/5	5	2002-2016	osteoarthritis	Hyaluronic acid	Methylprednisolone
31			International		0 ,	Č				Patients with	•	J 1
32	71 107	2010	Journal of	2.7	0	No	0.12	4	2010 2017	hepatocellular	P	TOTAL CO.
33	Zhao ¹⁹⁷	2018	Surgery	2.7	Surgery	funding	0/3	4 ^u	2010-2017	carcinoma Adult patients	Anthracyclines	Platinum
34			International							prepared for		
			Journal of			Non-				laparoscopic		
35	Zhu ¹⁹⁸	2018	Surgery	2.7	Surgery	industry	0/5	6	2004-2017	cholecystectomy	Ketamine	Saline
36			Journal of		CII. I IN I	N	3. 7		1990-	A 1 10 201 2	0 1	DI I M I
37	Wagner ¹⁹⁹	2018	Affective Disorders	3.8	Clinical Neurology;	Non- industry	Not reported/6	119	Unpublishe d	Adults with major	Second generation	Placebo - Network meta-analysis
38	w agilei	2010	Journal of	5.0	Psychiatry	muusuy	reported/0	117	u	depressive disorder	antidepressants - 16 types	meta-anarysis
39			Assisted		Genetics &					Women with	Gonadotropin-releasing	
40	200		Reproduction		Heredity; Obstetrics	Not				lymphoma, ovarian	hormone agonists (GnRHa)	Standard treatment
41	Hickman ²⁰⁰	2018	and Genetics	2.8	& Gynecology;	reported	0/5	10	2007-2016	cancer, or breast	- 7 types	(chemotherapy only)
42												

1 2												
3					Reproductive Biology					cancer undergoing chemotherapy		
5 6 7	Luo ²⁰¹	2018	Journal of Cancer Research and Clinical	3.3		Non- industry	0/4	8	2015-2017	Patients with non-small-cell lung	Programmed death 1 (PD-1)/programmed death ligand 1 (PD-L1) inhibitors	Chemotherapy - 2
8 9 10	Luo-	2018	Oncology Journal of Cancer Research and Clinical	3.3	Oncology	Non-	0/4	8	2013-2017	Patients with metastatic castration-resistant	- 3 types	types Placebo - Network
11 12 13	Wang ²⁰²	2018	Oncology Journal of Cancer	3.3	Oncology	industry	0/5	26	2010-2017	prostate cancer	Targeted agents - 16 types	meta-analysis
14 15 16	Wang ²⁰³	2018	Research and Therapeutics	0.8	Oncology Cardiac &	No funding	0/4	35	1997-2011	Cancer patients with moderate to severe pain Adults (18 years and over) undergoing	Fentanyl	Morphine Placebo, discontinuation of
17 18 19	Aboul- Hassan ²⁰⁴	2017	Journal of Cardiac Surgery	1.2	Cardiovascular Systems; Surgery Cardiac &	No funding	0/8	12	1985-2016	any type of cardiac surgery	Aspirin	aspirin greater than 7 days before surgery
20 21 22	Wang ²⁰⁵	2018	Journal of Cardiovascular Surgery	1.2	Cardiovascular Systems; Surgery; Peripheral Vascular Disease	Not reported	0/6	5	1999-2010	Patients undergoing isolated coronary artery bypass graft (CABG) surgery	Statins - 3 types Antiandrogens, insulin	No preoperative statin
23 24 25 26			Journal of								sensitizers, estrogen- progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs +	
27 28 29 30	Barrionuevo ²⁰⁶	2018	Clinical Endocrinology and Metabolism Journal of Clinical	5.8	Endocrinology & Metabolism	Non- industry	0/8	32	1989-2016	Women with hirsutism	insulin sensitizer, antiandrogen + insulin sensitizer	Placebo - Network meta-analysis
31 32	Cui ²⁰⁷	2018	Pharmacy and Therapeutics	1.7	Pharmacology & Pharmacy	Not reported	0/6	23	1993-2014	Patients with type 2 diabetes Adults with	Statins - 6 types	Placebo - Network meta-analysis
33 34 35 36	Sawyer ²⁰⁸	2018	Journal of Dermatological Treatment	2.1	Dermatology	Industry	6/6 ^v	54	2001-2016	moderate-to-severe chronic plaque-type psoriasis Patients with onset of atrial fibrillation	Apremilast, biological therapies - 7 types	Placebo - Network meta-analysis
37 38 39 40			Journal of Emergency		Emergency	Not	Not			(AF) within 48 h, who were hemodynamically stable and without evidence of acute		Placebo, verapamil, and other active anti-
41 42	Markey ²⁰⁹	2018	Medicine	1.2	Medicine	reported	reported/3	11	1989-2004	coronary syndrome,	Flecainide	dysrhythmics

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0	Szabó ²¹⁰	2017	Journal of Gastrointestinal and Liver Diseases	2.0	Gastroenterology & Hepatology	Not reported	0/15	10 ^w	2009-2016	congestive heart failure, or structural heart disease Adult patients (18 years and over) taking low-dose aspirin for a minimum of 2 weeks Patients with	Proton-pump inhibitors (PPIs) - 5 types	Histamine-2 receptor antagonists (H2RAs) - 2 types
1			Journal of Immunology			Non-				histologically confirmed solid	Immune checkpoint	Placebo or
2 3	Su ²¹¹	2018	Research Journal of	3.3	Immunology	industry	0/6	15	2011-2017	cancer	inhibitors (ICIs) - 5 types	chemotherapy
4 5			Interventional Cardiac Electrophysiolo		Cardiac & Cardiovascular	Non-				Patients with persistent atrial		
6 7	Chen ²¹²	2018	gy Journal of	1.5	Systems	industry	0/9	8	2006-2017	fibrillation	Antiarrhythmic drugs	Catheter ablation
8			Orthopaedic Surgery and			No				Patients undergoing		
9	Chen ²¹³	2017	Research	1.6	Orthopedics	funding	0/4	6	2008-2014	knee arthroscopy	Midazolam	Placebo
0			Journal of Orthopaedic							Patients undergoing		
2	Li ²¹⁴	2018	Surgery and Research	1.6	Orthopedics	Not reported	0/5	3x	2002-2017	a primary total hip or knee arthroplasty	Aminocaproic acid	Placebo or no treatment
3	Li	2010	Journal of	1.0	Ormopeures	reported	0/3		2002-2017	or knee artinopiasty	Anniocapiole acid	treatment
4			Orthopaedic Surgery and			Not				Patients treated with		
5 6	Luo ²¹⁵	2018	Research Journal of	1.6	Orthopedics	reported	0/4	3у	2002-2017	spine surgery	Tranexamic acid	Control (not specified)
7			Orthopaedic							Patients who		
8	Ma ²¹⁶	2018	Surgery and Research	1.6	Orthopedics	No funding	0/4	4	1991-2015	underwent hip surgery	Naproxen	Placebo
9 n			Journal of							Patients with a primary diagnosis of	Vortioxetine,	
1	** 217	2010	Psychiatric	4.0	B 11.	Non-	0.10		2000 2015	major depressive	levomilnacipran,	DI 1
2	He ²¹⁷	2018	Research Journal of	4.0	Psychiatry	industry	0/8	22	2009-2015	disorder (MDD)	vilazodone	Placebo
3			Stroke & Cerebrovascular		Neurosciences; Peripheral Vascular	Non-				Asian patients with non-valvular atrial	Warfarin, direct oral anticoagulants (DOACs) -	
4 5	Wang ²¹⁸	2018	Diseases	1.6	Disease	industry	4/8	6	2003-2013	fibrillation (AF)	5 types	Network meta-analysis
6			Journal of the American									
7	Dhana ²¹⁹	2018	Academy of Dermatology	6.9	Dermatology	No funding	0/6	15	2000-2016	People with scabies	Permethrin	Ivermectin
8 9		. •	Journal of the		Cardiac &			-		Adults with	Proprotein convertase	
0			American Heart		Cardiovascular	Not				hypercholesterolemi	subtilisin/kexin type 9 (PCSK9) inhibitors - 2	Placebo, ezetimibe,
1	Karatasakis ²²⁰	2017	Association	4.5	Systems	reported	3/12 ^z	35	2012-2017	a	types	standard therapy
2												

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2												
3			Journal of the									
4			European									
5			Academy of							Adult patients (≥ 18)		
6			Dermatology			N				with moderate-to-		
7	Kuo ²²¹	2018	and Venereology	4.3	Dermatology	Non- industry	2/4	4	2012-2016	severe plaque psoriasis	Tofacitinib	Placebo
-	Kuo	2016	Journal of	4.3	Definatology	musuy	2/4	4	2012-2010	psoriasis	Totacitinio	1 laccoo
8			Traditional		Integrative &							
9			Chinese		Complementary	Non-	Not			Patients with		
10	Liu ²²²	2016	Medicine	0.9	Medicine	industry	reported/6	16	2005-2015	rheumatoid arthritis	Methotrexate	Sinomenine
11					Biochemistry & Molecular Biology;							
12					Biotechnology &							
13			Journal of		Applied					Adult patients		
14			Zhejiang		Microbiology;					undergoing cardiac		
15	222	2015	University-	1.0	Medicine, Research	Not	0.45		1000 2014	surgery requiring		70.
16	Zheng ²²³	2017	SCIENCE B	1.8	& Experimental	reported	0/7	8	1990-2014	aortic cross-clamp Patients with	Amiodarone, lidocaine	Placebo
17										isoniazid-resistant,		Usual care (REZ =
18			Lancet		Critical Care					rifampicin-		rifampicin,
			Respiratory		Medicine;	Non-				susceptible	Fluoroquinolone,	ethambutol,
19	Fregonese ²²⁴	2018	Medicine	21.5	Respiratory System	industry	0/57	2	2010-2014	tuberculosis	streptomycin	pyrazinamide)
20			Nauralagiaal		Clinical Neurology;	Not	Not		2010- Unpublishe	Patients during early		
21	Bornstein ²²⁵	2018	Neurological Sciences	2.3	Neurosciences	reported	reported/10	9	d	post-stroke period	Cerebrolysin	Placebo
22	Bornstein	2010	Belefices	2.3	redroserences	reported	reported/10		u .	Patients arranged for	Bevacizumab,	Placebo,
23			Ophthalmic							primary	bevacizumab +	antimetabolite - 2
24	Chen ²²⁶	2018	Research	1.8	Ophthalmology		0/4	3	2013-2015	trabeculectomy	antimetabolite - 2 types	types
25	Han ²²⁷	2017	Dain Dhygiaian	2.6	Anesthesiology; Clinical Neurology	No funding	0/4	10	2004-2016	Patients undergoing	Cohonontin	Placebo
26	пап	2017	Pain Physician	2.0	Chilical Neurology	runung	0/4	10	2004-2016	spinal surgery Adult patients	Gabapentin	Placedo
27					Anesthesiology;	No				undergoing surgical	Dexmedetomidine +	
28	Peng ²²⁸	2017	Pain Physician	2.6	Clinical Neurology	funding	0/5	18	2004-2016	procedures	opioids	Opioids
29					Chemistry,							
30					Medicinal; Chemistry,							
					Multidisciplinary;							Usual care
31					Pharmacology &	Not				Patients with		(chemotherapy), usual
32	Feng ²²⁹	2016	Pharmazie	1.0	Pharmacy	reported	0/7	2 ^{aa}	2011-2012	tuberculosis	V-5 immunitor	care + placebo
33					Chemistry,							
34					Medicinal;							
35					Chemistry, Multidisciplinary					Patients with non-		
35 36					Multidisciplinary; Pharmacology &	Not	Not			Patients with non- cystic fibrosis		Placebo, symptomatic
	Xu^{230}	2016	Pharmazie	1.0	Multidisciplinary;	Not reported	Not reported/8	12	1999-2014		Antibiotics - 7 types	Placebo, symptomatic treatment only
36 37	$ m Xu^{230}$	2016	PLOS	1.0	Multidisciplinary; Pharmacology &			12	1999-2014	cystic fibrosis bronchiectasis	Antibiotics - 7 types	
36 37 38	Xu^{230}	2016	PLOS Neglected	1.0	Multidisciplinary; Pharmacology & Pharmacy	reported		12	1999-2014	cystic fibrosis bronchiectasis Patients infected	Antibiotics - 7 types	treatment only
36 37 38 39			PLOS Neglected Tropical		Multidisciplinary; Pharmacology & Pharmacy	reported Non-	reported/8			cystic fibrosis bronchiectasis Patients infected with soil transmitted	•	treatment only Albendazole,
36 37 38	Xu ²³⁰ Palmeirim ²³¹	2016 2018	PLOS Neglected	1.0	Multidisciplinary; Pharmacology & Pharmacy	reported		12 14 ^{bb}	1999-2014 1997-2015	cystic fibrosis bronchiectasis Patients infected	Antibiotics - 7 types Albendazole + ivermectin	treatment only

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2												
3 4 5 6 7 8 9 10			Psychotherapy							Adults with persistent depressive disorder (DSM-5), chronic major depression, recurrent major depression with incomplete interepisode recovery or dysthymia (DSM-IV), or any	Antidepressants - 6 types, cognitive-behavioral analysis system of psychotherapy, combination of antidepressants and cognitive-behavioral	
12 13	Furukawa ²³²	2018	and Psychosomatics	13.1	Psychiatry; Psychology	Non- industry	2/11	3	2000-2015	corresponding conditions Adult patients with	analysis system of psychotherapy	Network meta-analysis
14 15 16 17	Liu ²³³	2018	Renal Failure	1.4	Urology & Nephrology	Not reported	0/6	12	2006-2015	chronic kidney disease Adults with a history of chronic obstructive	Uric acid-lowering therapy - 2 types	Placebo, usual therapy, no treatment Tiotropium or olodaterol as monotherapy,
18	Miravitlles ²³⁴	2017	Respiratory Research	3.8	Respiratory System	Industry	3/4	10	2014-2016	pulmonary disease (COPD)	Tiotropium + olodaterol	salmeterol + fluticasone
19	winavities	2017		3.6	Respiratory System	,	3/4	10	2014-2010	Patients with	1	Corticosteroid + fast-
20 21 22	Wang ²³⁵	2017	Respiratory Research	3.8	Respiratory System	Non- industry	1/7	6	2006-2016	intermittent or mild persistent asthma Adults (18 years and	Corticosteroids, fast-onset- acting β2-agonists	onset-acting β2- agonist
23 24 25 26 27	Kawalec ²³⁶	2018	Rheumatology International	2.0	Rheumatology	No funding	0/4	8	2011-2016	over) with moderate to severe psoriatic arthritis (PsA) Adult patients (18 years and over) treated for the secondary prevention of	Tumor necrosis factor (antiTNF)- α inhibitors - 4 types	Placebo - Network meta-analysis
28 29					Clinical Neurology; Peripheral Vascular	Not				cardiovascular, peripheral vascular, and cerebrovascular	Proton pump inhibitors	Thienopyridines - 2
30 31	Malhotra ²³⁷	2018	Stroke Surgical	6.2	Disease	reported	0/6	12	2009-2016	disease	(PPI) + thienopyridines	types
32 33 34 35	$Zhang^{238}$	2018	Laparoscopy Endoscopy & Percutaneous Techniques	1.0	Surgery	Not reported	0/3	5	1995-2018	Adults (18 and over) undergoing gastrointestinal endoscopy Asian and non-	Midazolam	Propofol
36 37 38 39	Yamashita ²³⁹	2018	Thrombosis Research	2.8	Hematology; Peripheral Vascular Disease Immunology;	No funding	3/7	6	2009-2014	Asian adults (18 years and older) with acute venous thromboembolism	Direct oral anticoagulants (DOACs) - 4 types	Vitamin K antagonists (VKAs), heparin
40	71 240	2010		2.2	Medicine, Research	No	1/6	12	1000 2014	11117 - 22 - 1	rd · bi i	N
41	Zhang ²⁴⁰	2018	Vaccine	3.3	& Experimental	funding	1/6	13	1999-2014	HIV-positive people	Influenza vaccine, Placebo	Network meta-analysis

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N	Iultidiscipli i	nary sciences	(n = 10)									
			Medical							Patients with		
			Science		Medicine, Research	Non-				essential	Anti-hypertensive drugs - 8	
C	hen ²⁴¹	2018	Monitor	1.9	& Experimental	industry	0/5	20^{cc}	2000-2016	hypertension	types	Acupuncture
										Adult patients (over		
										18 years old) that		
										underwent the		
	242	2010	DI OG OME	2.0	Multidisciplinary	No	0.72	0	1000 2015	extraction of any	CLI I II	Placebo, standard
0 ^A	rteagoitia ²⁴²	2018	PLOS ONE	2.8	Sciences	funding	0/3	8	1989-2015	tooth	Chlorhexidine	treatment
1										Adults with osteoarthritis or		Placebo, other non- steroidal anti-
`					Multidisciplinary	No				rheumatoid arthritis		inflammatory drugs
2 E	eng ²⁴³	2018	PLOS ONE	2.8	Sciences	funding	0/4	9	2002-2009	of the knee or hip	Etoricoxib	(NSAIDs) - 2 included
3 ^r	clig	2016	I LOS ONE	2.0	Multidisciplinary	Non-	0/4	9	2002-2009	Pediatric surgical	Eloncoxio	(NSAIDS) - 2 ilicidada
4 _K	awakami ²⁴⁴	2018	PLOS ONE	2.8	Sciences	industry	0/5	6	2007-2017	patients	Magnesium	Placebo, no treatment
5	awakami	2010	I LOS ONE	2.0	Sciences	industry	0/3	Ü	2007 2017	Adults (18 years and	Magnesium	r iaccoo, no treatment
<i>-</i>										over) diagnosed		
6										with generalized		
7					Multidisciplinary	Non-				anxiety disorder		
8 L	i ²⁴⁵	2018	PLOS ONE	2.8	Sciences	industry	0/7	8	2007-2014	(GAD)	Duloxetine	Placebo
9										Patients with		
^										hypertension and		Angiotensin-
•										chronic kidney		converting enzyme
1					Multidisciplinary	Non-				disease stage 3 to 5		inhibitors, angiotensin
2 L	in ²⁴⁶	2017	PLOS ONE	2.8	Sciences	industry	0/6	21	1992-2012	and dialysis	Calcium channel blockers	receptor blockers
3										Adults (19 years and		
					Multidisciplinary	Non-	Not			over) undergoing		Propofol, morphine,
4 L -	ing ²⁴⁷	2018	PLOS ONE	2.8	Sciences	industry	reported/6	9	2003-2017	cardiac surgery	Dexmedetomidine	placebo
5	1 249	2017	DI OG OME	2.0	Multidisciplinary	Non-	0./7	0.4	1002 2014		Erythropoiesis-stimulating	YY 1
б ^К	ohner ²⁴⁸	2017	PLOS ONE	2.8	Sciences	industry	2/7	94	1993-2014	Cancer patients	agents	Usual care
7												Placebo, no intervention, beta
8										Patients with atrial		blockers, calcium
					Multidisciplinary	No				fibrillation or atrial		antagonists,
9 s	ethi ²⁴⁹	2018	PLOS ONE	2.8	Sciences	funding	0/6	28	1986-2017	flutter	Digoxin	amiodarone
0 3	Cuii	2010	1 LOS ONE	2.0	Multidisciplinary	runung	0/0	20	1700-2017	Post renal transplant	DIBOVIII	umouarone
1 v	Volf ²⁵⁰	2018	PLOS ONE	2.8	Sciences	Industry	1/9	13	2002-2016	patients	mTOR-inhibitors - 2 types	Calcineurin-inhibitors
. ່ າ										1	CTs had a drug arm: c33/38 incl	

*Only 3 studies reported that authors were employed by industry and therefore we included them as ties for the purposes of this table; b11/12 included RCTs had a drug arm; c33/38 included RCTs had a drug arm; cOne author reported pharmaceutical company employment; c9/11 included RCTs had a drug arm; p71/120 included studies were RCTs; b24/25 included studies were RCTs; b44/25 included studies were RCTs; b44/25 included RCTs had a drug arm; b71/120 included studies were RCTs; b44/25 included in the quantitative synthesized and 13 were included; bcclarations of interest were provided for only 3 out of 5 meta-analysis authors; m24/31 included RCTs had a drug arm; c3/5 included RCTs had a drug arm; c3/6 include

eTable2. – Detailed reporting of study funding sources (F), author-industry financial ties (T), and author-industry employment (E) form included RCTs

						Location Re	eported					
First Author	Year	Journal	Funding Sources of Included Trials Reported in Meta-analysis?	Author- Industry Financial Ties of Included Trials Reported in Meta- analysis?	Author- Industry Employment of Included Trials Reported in Meta- analysis?	Risk of Bias Text	Risk of Bias Figure or Table	Main Text, Other than Risk of Bias	Other in Main Document (Characteristic s of Included Studies Table, other table, footnote)	Abstract	Lay summary	Online appendix
Cochrane Reviews	(n = 107)											
Abdel-Rahman ¹	2018	Cochrane Database of Systematic Reviews Cochrane Database of	Full	No	No	F	F		F	F	F	
Adams ²	2018	Systematic Reviews Cochrane Database of	Full	No	No	F		F	F			
Agabio ³	2018	Systematic Reviews Cochrane Database of	Full	Partial	No			F, T	F, T		F	
Al-Shahi Salman ⁴	2018	Systematic Reviews Cochrane Database of	Partial	No	No			F	F			
Alabed ⁵	2018	Systematic Reviews Cochrane Database of	Partial	No	Partial				F, E			
Allegretti ⁶	2017	Systematic Reviews Cochrane Database of	Full	No	No	F	F			F	F	
Arechabala ⁷	2018	Systematic Reviews Cochrane Database of	Full	Partial	Partial	F	F, E	F, T	F, T, E		F	
Baandrup ⁸	2018	Systematic Reviews Cochrane Database of	Full	Full	Partial	F	F	F	F, T, E		F	
Bala ⁹	2018	Systematic Reviews Cochrane Database of	Full	No	No	F			F			
Barbato ¹⁰	2018	Systematic Reviews Cochrane Database of	No	No	No							
Bergman ¹¹	2018	Systematic Reviews Cochrane Database of	Full	Partial	No				F, T			
Bighelli ¹²	2018	Systematic Reviews Cochrane Database of	Full	Full	Partial	F	F, T, E	F	F, T, E	F	F	
Birks ¹³	2018	Systematic Reviews Cochrane Database of	Full	Partial	No			F	F, T	F		
Boyapati ¹⁴	2018	Systematic Reviews Cochrane Database of	No	No	No							
Brown ¹⁵	2018	Systematic Reviews Cochrane Database of	Partial	Partial	No	F	F	F	F, T	F	F	
Bruins Slot16	2018	Systematic Reviews Cochrane Database of	Full	No	No				F			
Bryan ¹⁷	2017	Systematic Reviews	Partial	No	No				F			

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		Cochrane Database of								
Bryant-Smith ¹⁸	2018	Systematic Reviews	Full	No	No				F	
Diyant-Sintii	2010	Cochrane Database of	1 un	110	110				1	
Burry ¹⁹	2018	Systematic Reviews	Full	No	No		F	F	F	
Duily	2010	Cochrane Database of	1 411	110	110		•	1	1	
Campschroer ²⁰	2018	Systematic Reviews	Full	Full	No				F, T	
cumpsemeer	2010	Cochrane Database of	1 411	1 411	1.0				-,-	
Candy ²¹	2018	Systematic Reviews	Full	No	No			F	F	
,		Cochrane Database of								
Chiew ²²	2018	Systematic Reviews	No	No	No					
		Cochrane Database of								
Das ²³	2018	Systematic Reviews	Full	No	No			F	F	F
		Cochrane Database of								
Demicheli ²⁴	2018	Systematic Reviews	Fulla	Partial	Partial				F, T, E	
		Cochrane Database of								
Demicheli ²⁵	2018	Systematic Reviews	No	No	No					
		Cochrane Database of								
Di Nisio ²⁶	2018	Systematic Reviews	Partial	Partial	No				F, T	
EL 0 127	2010	Cochrane Database of	77.11			-			-	
El-Sayeh ²⁷	2018	Systematic Reviews	Full	No	No	F			F	
E 1 29	2010	Cochrane Database of	NT.	N	N					
Engelen ²⁸	2018	Systematic Reviews	No	No	No					
Eshun-Wilson ²⁹	2018	Cochrane Database of Systematic Reviews	Full	Full	No				F, T	
ESHull-Wilson-	2016	Cochrane Database of	run	run	NO				г, 1	
Essali ³⁰	2018	Systematic Reviews	Full	No	No				F	
Listeri	2010	Cochrane Database of	I uii	110	110				1	
Everitt ³¹	2018	Systematic Reviews	Partial	Partial	No	F, T	F, T	F	F, T	
2,0111	2010	Cochrane Database of	1 41141	1 411141	1.0		-,-	•	-,-	
Fanshawe ³²	2017	Systematic Reviews	No	No	No					
		Cochrane Database of								
Franik ³³	2018	Systematic Reviews	Full	Partial	No				F, T	
		Cochrane Database of								
González34	2018	Systematic Reviews	Full	No	No				F	
		Cochrane Database of								
Grabosch ³⁵	2018	Systematic Reviews	No	No	No					
- 24		Cochrane Database of							_	
Graves ³⁶	2018	Systematic Reviews	Partial ^b	No	No				F	
YY 27	2010	Cochrane Database of	F 11	T 11	3. 7			P. #	T	
Haas ³⁷	2018	Systematic Reviews	Full	Full	No			F, T	F, T	
Hakoum ³⁸	2019	Cochrane Database of Systematic Reviews	Full	Full	No				F, T	
пакоиш	2018	Cochrane Database of	ruli	ruii	NO				г, 1	
Heras-Mosteiro ³⁹	2017	Systematic Reviews	Partial ^c	Partial ^d	Partial				F, T, E	
Ticias-wiosteno	2017	Cochrane Database of	1 artiar	1 artiar	1 artiai				1, 1, L	
Janmaat ⁴⁰	2017	Systematic Reviews	No	No	No					
- Carrinant	2017	Cochrane Database of	1.0	110	110					
Jefferson ⁴¹	2018	Systematic Reviews	Full	No	No				F	
		Cochrane Database of	**		· ·					
Jung ⁴²	2017	Systematic Reviews	Full	Full	Partial			F, T	F, T, E	
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		Cochrane Database of							
Kaempfen ⁴³	2018	Systematic Reviews	No	No	No				
··· r		Cochrane Database of							
Kahale ⁴⁴	2017	Systematic Reviews	Full	Full	Partial ^e				F, T, E
		Cochrane Database of							
Kahale ⁴⁵	2018	Systematic Reviews	Full	Partial	No				F, T
Kahale ⁴⁶	2018	Cochrane Database of Systematic Reviews	Full	Partial	No				F, T
Kanaie	2016	Cochrane Database of	run	raitiai	NO				г, 1
Kapur ⁴⁷	2018	Systematic Reviews	Full	No	No				F
•		Cochrane Database of							
Kelly ⁴⁸	2018	Systematic Reviews	Partial ^f	Partial	No		F		F, T
17 : 1 (1 49	2017	Cochrane Database of	E II	N	N				Б
Knightly ⁴⁹	2017	Systematic Reviews Cochrane Database of	Full	No	No				F
Kopsaftis ⁵⁰	2018	Systematic Reviews	No	No	No				
P		Cochrane Database of							
Lawrie ⁵¹	2018	Systematic Reviews	Full	Partial	Partial				F, T, E
	****	Cochrane Database of							
Leathersich ⁵²	2018	Systematic Reviews	Full	Full	No	F, T	F, T	F, T	F, T
Lethaby ⁵³	2017	Cochrane Database of Systematic Reviews	Full	No	No			F	F
Lethaby	2017	Cochrane Database of	1 411	110	110			1	
López-Briz ⁵⁴	2018	Systematic Reviews	Full	No	No				F
		Cochrane Database of							
Marchant ⁵⁵	2018	Systematic Reviews	Partial	No	No				F
Matar ⁵⁶	2018	Cochrane Database of Systematic Reviews	Full	No	No		F		
Matai	2010	Cochrane Database of	run	NO	NO		1		
Matar ⁵⁷	2018	Systematic Reviews	Full	Full	No				F, T
		Cochrane Database of							
McNicol ⁵⁸	2018	Systematic Reviews	Full	No	No				F
MaTagua59	2019	Cochrane Database of	No	No	No				
McTague ⁵⁹	2018	Systematic Reviews Cochrane Database of	No	No	No				
Mhaskar ⁶⁰	2017	Systematic Reviews	Full	Full	Partial				F, T, E
		Cochrane Database of							, ,
Milligan ⁶¹	2018	Systematic Reviews	Partial ^g	No	No	F	F		
1.62	2017	Cochrane Database of	E 11	P. II	3.7			F. #	F. #
Monk ⁶²	2017	Systematic Reviews Cochrane Database of	Full	Full	No			F, T	F, T
Montero ⁶³	2018	Systematic Reviews	Partial	No	No		F		
1110111011	2010	Cochrane Database of	1 41 1141	1.0	1.0		-		
Mücke ⁶⁴	2018	Systematic Reviews	Full	Full	Partial			F, T	F, T, E
		Cochrane Database of							
Narula ⁶⁵	2018	Systematic Reviews	No	No	No				
Nevitt ⁶⁶	2017	Cochrane Database of Systematic Reviews	Partial	No	No			F	F
1101111	2017	Cochrane Database of	ı ultlal	110	110			1	1
Nevitt ⁶⁷	2018	Systematic Reviews	Full	No	No				F

Normansell## Systematic Reviews Full No			Cochrane Database of									
Normansceller	Norman ⁶⁸	2018		Full	No	Partial			F	F, E		
Cochrane Database of Novora** 2018 Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Sumeria* Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Sumeria* Systematic Reviews Cochrane Database of Sumeria* Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Sumeria* Systematic Reviews Cochrane Database of Sumitiva* Systematic Review			Cochrane Database of									
Novoma	Normansell ⁶⁹	2018	2	Full	Noh	No			F	F		
Cochrane Database of Cochran	70						_	_			_	_
Onlison Onli	Novoa ⁷⁰	2018		Full	Partial ^h	No	F	F		F, T	F	F
Cochrane Database of Cochran	Ohlaan71	2017		Dortiol	No	No		E		Е		
Ostinelli ⁷² 2018 Systematic Reviews Cochrane Database of Cochrane Database of Sturzi ⁷⁴ 2018 Systematic Reviews Cochrane Database of Sturzi ⁷⁴ 2018 Systematic Reviews Cochrane Database of Cochrane Database of Sturzi ⁷⁴ 2018 Systematic Reviews Cochrane Database of Cochrane Database of Sturzi ⁷⁴ 2018 Systematic Reviews Cochrane Database of Cochrane Database of Systematic Reviews Cochrane Database of	Ollisson	2017		Partial	NO	INO		Г		Г		
Cochrane Database of Systematic Reviews Cochrane Database of Partial	Ostinelli ⁷²	2018		Full	No	No		F	F			
Cochrane Database of Cochrane	Ostmeni	2010		1 411	110	110		•	•			
Substantic Reviews Cochrane Database of Partial Reviews Cochrane Database of Raciness Simancas Cochrane Database of Sources-Weiser® 2018 Systematic Reviews Cochrane Database of Sources-Weiser® 2018 Systematic Reviews Cochrane Database of Sources-Weiser® 2018 Systematic Reviews Cochrane Database of Simancas Cochrane Database of Simancas Cochrane Database of Schumanness Cochrane Database o	Ostinelli ⁷³	2018	Systematic Reviews	Partial	Partial	No	F	F, T	F			
Cochrane Database of Systematic Reviews Cochrane Database of Pasquali** Partial Partial No F, T F, T F F F F F F F F F												
Parker 2	Ostuzzi ⁷⁴	2018	2	Full	Partial	No	F	F, T	F			
Pasquali ⁷⁶ 2018 Systematic Reviews Cochrane Database of Pike ⁷⁷ 2018 Systematic Reviews Cochrane Database of Robertson ⁷⁹ 2017 Systematic Reviews Cochrane Database of Robertson ⁷⁹ 2017 Systematic Reviews Cochrane Database of Simancas- Sankar ⁸⁴ 2018 Systematic Reviews Cochrane Database of Racines ⁸⁰ 2018 Systematic Reviews Cochrane Database of Simancas- Simint ⁸⁷ 2017 Systematic Reviews Cochrane Database of Simint ⁸⁸ 2018 Systematic Reviews Cochrane Database of Simint ⁸⁸ 2018 Systematic Reviews Cochrane Database of Simint ⁸⁹ 2018 Systematic Reviews Cochrane Database of Simint ⁸⁰ 2018 Systematic Reviews Cochrane Database of Simint Reviews Cochrane Database of Simint Reviews Cochrane Database of S	D 1 75	2010										
Pasquali ⁷⁶ 2018 Systematic Reviews Cochrane Database of Cochrane	Parker/5	2018		No	No	No						
Pike	Doggueli76	2019		Dortiol	Dortiol	No	ЕТ	ЕТ	Е		E	F
Pike ⁷⁷ 2018 Systematic Reviews Full No No No No No No No	rasquaii	2016		Faitiai	Faitiai	INO	г, 1	г, 1	Г		Г	Г
Cochrane Database of Robertson? 2017 Systematic Reviews Cochrane Database of Robertson? 2017 Systematic Reviews Cochrane Database of Robertson? 2017 Systematic Reviews Cochrane Database of Rosumeck* 2018 Systematic Reviews Cochrane Database of Rosumeck* 2017 Systematic Reviews Cochrane Database of Rosumeck* 2017 Systematic Reviews Cochrane Database of Rosumeck* 2017 Systematic Reviews Cochrane Database of Rosumeck* 2018 Systematic Reviews Rosumeck* 2018 Systematic Reviews Rosumeck* 2018 Systematic Reviews Rosumeck* 2018 201	Pike ⁷⁷	2018		Full	No	No			F	F		
Cochrane Database of Systematic Reviews Full No No No Fo Fo Fo Fo Fo			,									
Robertson79	Rirash ⁷⁸	2017	Systematic Reviews	No	No	No						
Cochrane Database of Systematic Reviews Full No No F F F F F F F F F F F F F F F F F												
Romero®	Robertson ⁷⁹	2017	2	No	No	No						
Cochrane Database of Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Sustematic Reviews Full No No No No Sustematic Reviews Cochrane Database of Sustematic Reviews Full Partial Fig. Fig. Fig. Fig. Fig. Fig. Fig. Fig.	D 90	2017		г и	N	N	Б	Б	Г	Г	Б	г
Rosumeck ⁸¹ 2018 Systematic Reviews Cochrane Database of Rüschen ⁸² 2018 Systematic Reviews Cochrane Database of Ruthirakuhan ⁸³ 2018 Systematic Reviews Cochrane Database of Sankar ⁸⁴ 2018 Systematic Reviews Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Cochrane Database of Racines ⁸⁶ 2018 Systematic Reviews Cochrane Database of Racines ⁸⁶ 2018 Systematic Reviews Cochrane Database of Simancas- Smith ⁸⁷ 2017 Systematic Reviews Cochrane Database of Sources-Weiser ⁸⁹ 2018 Systematic Reviews Full Partial No No Fe F, T,	Komero	2017	2	Full	No	No	F	F	F	F	F	F
Rüschen ⁸² 2018 Systematic Reviews Cochrane Database of Systematic Reviews Cochrane Database of Sankar ⁸⁴ 2018 Systematic Reviews Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Cochrane Database of Racines ⁸⁶ 2018 Systematic Reviews Cochrane Database of Racines ⁸⁶ 2018 Systematic Reviews Cochrane Database of Smith ⁸⁷ 2017 Systematic Reviews Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Cochrane Database of Squizzato ⁸⁰ 2017 Systematic Reviews Cochrane Database of Squizzato ⁸⁰ 2018 Systematic Reviews Cochrane Database of Squizza	Rosumeck ⁸¹	2018		Full	Full	No				FТ		
Rüschen ^{§2} 2018 Systematic Reviews Cochrane Database of Ruthirakuhan ^{§3} 2018 Systematic Reviews Cochrane Database of Sankar ^{§4} 2018 Systematic Reviews Cochrane Database of Schumann ^{§5} 2018 Systematic Reviews Full Partial Partial F, T F,	Rosumeek	2010		1 un	1 uii	110				1,1		
Ruthirakuhan ^{§3} 2018 Systematic Reviews Full No Partial F, T F, E Sankar ^{§4} 2018 Systematic Reviews No No No Cochrane Database of Schumann ^{§5} 2018 Systematic Reviews Full Partial Partial F, T F, T, E F, T, E Simancas- Racines ^{§6} 2018 Systematic Reviews Full Full No F F F, T, E Smith ^{§7} 2017 Systematic Reviews Full Full Full F, T, E F, T, E Smith ^{§8} 2018 Systematic Reviews Full Full No F, T, E F, T, E Smith ^{§8} 2018 Systematic Reviews Full Full No Full F, T, E F, T, E Soares-Weiser ^{§9} 2018 Systematic Reviews Cochrane Database of Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No No F F F, T F, T F, T F Squizzato ⁹⁰ 2018 Systematic Reviews Full Partial Partial F, T, F, T, E F, T, E St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T, F, T, E F, T, E	Rüschen ⁸²	2018		Full	Full	No			F, T	F, T		
Cochrane Database of Sankar ⁸⁴ 2018 Systematic Reviews No No No Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Full Partial F, T F F, T, E F, T Simancas- Racines ⁸⁶ 2018 Systematic Reviews Full Full No F F F F F, T Smith ⁸⁷ 2017 Systematic Reviews Full Full Full F, T, E F, T, E Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T, E F, T, E Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No Soares-Weiser ⁸⁹ 2018 Systematic Reviews Full Partial No F F, T, T F, T F Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial Partial F, T F, T, E F, T, E St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E			Cochrane Database of									
Sankar ⁸⁴ 2018 Systematic Reviews Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Full Partial Partial F, T F F, T, E F, T Cochrane Database of Racines ⁸⁶ 2018 Systematic Reviews Full Full No F F F F F, T, E Siminth ⁸⁷ 2017 Systematic Reviews Full Full Full Full F, T, E F, T, E Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T, E F, T, E Soares-Weiser ⁸⁹ 2018 Systematic Reviews Cochrane Database of Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No No F F, T,	Ruthirakuhan83	2018		Full	No	Partial			F	F, E		
Cochrane Database of Schumann ⁸⁵ 2018 Systematic Reviews Full Partial Partial F, T F F, T, E F, T Simancas- Racines ⁸⁶ 2018 Systematic Reviews Full Full No F F F F F, T, E Smith ⁸⁷ 2017 Systematic Reviews Full Full Full Full F, T, E F, T, E Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No Full F, T, E F, T F, T F, T Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F F, T F, T F, T Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No F F, T, E F, T, E St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T, F, T, E F, T, E F, T, E	~											
Schumann ⁸⁵ 2018 Systematic Reviews Full Partial Partial F, T F, T F, T E F, T Simancas- Racines ⁸⁶ 2018 Systematic Reviews Full Full No F F F F F, T F, T Smith ⁸⁷ 2017 Systematic Reviews Cochrane Database of Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No Full Full No F, T, E F, T F, T Cochrane Database of Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F F, T F, T F S Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial Partial F, T F, T F, T F, T F, T F S Squizzato ⁹⁰ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E F F, T, E	Sankar ⁸⁴	2018		No	No	No						
Simancas- Racines ⁸⁶ 2018 Systematic Reviews Full Full No F F F F F, T Smith ⁸⁷ 2017 Systematic Reviews Full Full Full Full F, T, E F, T, E Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T, E F, T, E Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F F, T F, T Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No F, T,	Sahumann85	2019		Enll	Dortiol .	Dortiol .	ЕТ		E .	стс	ЕТ	F
Racines ⁸⁶ 2018 Systematic Reviews Cochrane Database of Smith ⁸⁷ 2017 Systematic Reviews Full Full Full Full Full F, T, E F, T, E Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T, E F, T, E Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No F, T,		2010		Tuli	1 aitiai	1 artiar	г, 1		<i>///</i> .	1, 1, 12	1', 1	1.
Cochrane Database of Smith ⁸⁷ 2017 Systematic Reviews Full Full Full F, T, E F, T, E Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T, E F, T F, T Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F, T F, T F Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial ⁱ No F, T F, T F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E		2018		Full	Full	No	F	F	F	F. T		
Cochrane Database of Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T F, T F, T Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F, T F, T F Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No F, T F, T F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E										-,-		
Smith ⁸⁸ 2018 Systematic Reviews Full Full No F, T F, T F, T Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F F, T F, T F F S Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial No F F, T F, T F F F F F, T F F F St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	Smith ⁸⁷	2017	Systematic Reviews	Full	Full	Full	F, T, E	F, T, E				
Cochrane Database of Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial ⁱ No F F, T F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E												
Soares-Weiser ⁸⁹ 2018 Systematic Reviews Partial No No F Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial ⁱ No F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	Smith ⁸⁸	2018		Full	Full	No			F, T	F, T		
Cochrane Database of Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial ⁱ No F F, T F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	C WY: 89	2010		D (' 1	N	N				Г		
Squizzato ⁹⁰ 2017 Systematic Reviews Full Partial ⁱ No F F, T F F Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	Soares-weiser	2018		Partial	No	No				F		
Cochrane Database of St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	Squizzato ⁹⁰	2017		Full	Partial ⁱ	No	F	FТ	F		F	
St George ⁹¹ 2018 Systematic Reviews Full Partial Partial F, T F, T, E F F, T, E	Squizzuto	2017	2	- 411	1 41 1141	110	•	.,.	•		•	
	St George ⁹¹	2018		Full	Partial	Partial	F, T	F, T, E	F	F, T, E		
	•		Cochrane Database of									
Stern ⁹² 2017 Systematic Reviews Full No No F F	Stern ⁹²	2017	Systematic Reviews	Full	No	No			F	F		F

		Cochrane Database of									
Sturman ⁹³	2017	Systematic Reviews	Full	Full	No	F, T	F, T	F, T			
Tammenmaa- Aho ⁹⁴	2018	Cochrane Database of Systematic Reviews	Partial	No	No				F		
Allo	2018	Cochrane Database of	raitiai	INO	NO				Γ		
Temmingh ⁹⁵	2018	Systematic Reviews	Full	Partial	Partial	F, T	F, T, E	F, T, E	F, T		
Tellillingii	2010	Cochrane Database of	1 uii	Tarriar	1 artiar	1, 1	1, 1, L	1, 1, L	1, 1		
Tenforde ⁹⁶	2018	Systematic Reviews	Full	Full	No	F, T	F, T		F, T		
		Cochrane Database of				,	,		,		
Toews ⁹⁷	2018	Systematic Reviews	Full	Full	Partial		F, E	F	F, T		
		Cochrane Database of									
Venekamp ⁹⁸	2018	Systematic Reviews	Full	Full	No			F	F, T		
** ***	****	Cochrane Database of									
Vermeij ⁹⁹	2018	Systematic Reviews	No	No	No						
Vietto ¹⁰⁰	2010	Cochrane Database of		NT.	N				Г	Г	
Vietto	2018	Systematic Reviews Cochrane Database of	Full	No	No				F	F	
Wall ¹⁰¹	2018	Systematic Reviews	Full	Full	No	F, T	F	F	F		
vv aii	2010	Cochrane Database of	run	Tuli	110	г, 1	1	1	ľ		
Weibel ¹⁰²	2018	Systematic Reviews	Full	No	No			F	F		
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Wright103	2018	Systematic Reviews	Partial	Partial	No	F	F, T				
C		Cochrane Database of					ŕ				
Xiao ¹⁰⁴	2018	Systematic Reviews	Full	No	No				F		
		Cochrane Database of									
Zhang ¹⁰⁵	2017	Systematic Reviews	Full	No	No	F	F	F	F	F	
		Cochrane Database of						-		_	
Zhou ¹⁰⁶	2017	Systematic Reviews	Full	Full	No			F	F, T	F	
Zonneveld ¹⁰⁷	2018	Cochrane Database of Systematic Reviews	Dili	NI-	No		F				
General Medicine		Systematic Reviews	Partial ^j	No	INO		Г				
López-López ¹⁰⁸	2017	BMJ	Full	No	No			F			F
Wang ¹⁰⁹	2018	BMJ Open	No	No	No						
Cipriani ¹¹⁰	2018	Lancet	Fullk	No	No			F			F
Chen ¹¹¹	2018	Medicine	No	No	No						
Ding ¹¹²	2018	Medicine	No	No	No						
Guo ¹¹³	2018	Medicine	No	No	No						
Han ¹¹⁴	2018	Medicine	No	No	No						
Hu ¹¹⁵	2018	Medicine	No	No	No						
Huang ¹¹⁶	2018	Medicine	Full	Partial	No	F, T					
Jiang ¹¹⁷	2018	Medicine	No	No	No						
Jiang ¹¹⁸	2018	Medicine	No	No	No						
Khan ¹¹⁹	2018	Medicine	No	No	No						
Liang ¹²⁰	2017	Medicine	No	No	No			-			
Liu ¹²¹	2018	Medicine	Partial ¹	No	No			F			
Lor ¹²²	2017	Medicine	No	No	No						
Wang ¹²³	2017	Medicine	No	No	No						
XX 7 124	2010										
Wang ¹²⁴	2018	Medicine	No	No	No						
Wang ¹²⁴ Wang ¹²⁵ Wei ¹²⁶	2018 2018 2017	Medicine Medicine Medicine	No No No	No No No	No No No						

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Woo ¹²⁷	2018	Medicine	No	No	No		
Xia ¹²⁸	2018	Medicine	No	No	No		
Yang ¹²⁹	2017	Medicine	No	No	No		
Ye^{130}	2017	Medicine	No	No	No		
Yu^{131}	2018	Medicine	No	No	No		
Yuan ¹³²	2018	Medicine	No	No	No		
Zhang ¹³³	2018	Medicine	No	No	No		
Zhang ¹³⁴	2018	Medicine	No	No	No		
Zhao ¹³⁵	2018	Medicine	No	No	No		
Zhao ¹³⁶	2018	Medicine	No	No	No		
Zhou ¹³⁷	2018	Medicine	No	No	No		
Zhu ¹³⁸	2018	Medicine	No	No	No		
Zhou ¹³⁹	2018	Postgraduate Medicine	No	No	No		
		Revista da Associação					
Zhang ¹⁴⁰	2018	Médica Brasileira	Full	Full ^m	No	F, T	
Specialty medi	cine (n = 100)						
Li ¹⁴¹	2018	Acta Ophthalmologica	Full ⁿ	No	No	F	F
		American Heart					
Tarantini142	2018	Journal	No	No	No		
		American Journal of					
Wang ¹⁴³	2018	Cardiovascular Drugs	No	No	No		
-		Anaesthesia and					
Aman ¹⁴⁴	2018	Intensive Care	No	No	No		
		Autoimmunity					
Li^{145}	2018	Reviews	No	No	No		
		Biomed Research					
Wang ¹⁴⁶	2018	International	No	No	No		
Veettil ¹⁴⁷	2017	BMC Cancer	No	No	No		
		BMC Cardiovascular					
Bredemeier ¹⁴⁸	2018	Disorders	Full	No	No		F
		BMC					
Lyu ¹⁴⁹	2018	Gastroenterology	No	No	No		
		BMC Infectious					
Xing ¹⁵⁰	2017	Diseases	No	No	No		
		BMC Musculoskeletal					
Kuo ¹⁵¹	2018	Disorders	No	No	No		
Beez ¹⁵²	2017	BMC Neurology	No	No	No		
Zeng ¹⁵³	2017	BMC Ophthalmology	No	No	No		
		BMC Pharmacology &					
Bundhun ¹⁵⁴	2017	Toxicology	No	No	No		
Zhang ¹⁵⁵	2017	BMC Psychiatry	No	No	No		
		BMC Pulmonary					
Zhang ¹⁵⁶	2017	Medicine	No	No	No		
		BMC Pulmonary					
Zhang ¹⁵⁷	2017	Medicine	Full	No	No		
Ramos-Esquive							
8	2018	Breast Cancer	No	No	No		
7 150		British Journal of	B				_
Zeng ¹⁵⁹	2018	Sports Medicine	Partial ^o	No	No	F	F

		Cellular Physiology					
Shui ¹⁶⁰	2018	and Biochemistry	No	No	No		
Silui	2010	Clinical Microbiology	110	110	140		
Rodrigo ¹⁶¹	2018	and Infection	Partial	No	No		
Rodrigo	2010	Clinical	1 artiar	110	110		
Wang ¹⁶²	2018	Rheumatology	No	No	No		
wang	2010	Critical Reviews in	110	110	110		
		Oncology /					
Hong ¹⁶³	2018	Hematology	No	No	No		
de Carvalho ¹⁶⁴	2018	Diabetes Care	No	No	No		
ue Caivaino.	2018		INO	INO	1NO		
In a famility	2010	Digestive Diseases and	Ma	Ne	NI-		
Jaafar ¹⁶⁵ Liu ¹⁶⁶	2018	Sciences Drug Delivery	No No	No	No No		
Liuro	2018	Drug Delivery	No	No	No		
		Drug Design,					
v · 167	2010	Development and			2.7		
Liu ¹⁶⁷	2018	Therapy	No	No	No		
		Drug Design,					
		Development and					
Sun ¹⁶⁸	2017	Therapy	No	No	No		
		East Asian Archives of					
Paraschakis ¹⁶⁹	2017	Psychiatry	No	No	No		
		Emergency Medicine					
D'Souza ¹⁷⁰	2018	Journal	No	No	No		
		European Journal of					
		Gynecological					
Mei ¹⁷¹	2016	Oncology	No	No	No		
		European Respiratory					
Verberkt172	2017	Journal	No	No	No		
		Expert Opinion on					
Sridharan ¹⁷³	2018	Pharmacotherapy	No	No	No		
		Expert Review of					
Habibi ¹⁷⁴	2018	Clinical Pharmacology	No	No	No		
		Expert Review of					
Li ¹⁷⁵	2018	Clinical Pharmacology	No	No	No		
Sangroongruangsr		Expert Review of					
i ¹⁷⁶	2018	Clinical Pharmacology	Full	No	No		F
		Foot and Ankle					
Hickey ¹⁷⁷	2018	Surgery	No	No	No		F
Zhao ¹⁷⁸	2018	Gastric Cancer	Partial ^p	No	No	F	F
Khera ¹⁷⁹	2018	Gastroenterology	No	No	No	-	•
	-0.0	Gynecologic	0	1.0	1.0		
Li ¹⁸⁰	2018	Oncology	No	No	No		
Zhuge ¹⁸¹	2018	Helicobacter	No	No	No		
	_010	Indian Journal of	- 10	1.0	1.0		
Kim ¹⁸²	2017	Cancer	No	No	No		
1 Killi	2017	Indian Journal of	110	110	110		
Garg ¹⁸³	2018	Gastroenterology	No	No	No		
Rosanova ¹⁸⁴	2017	Infectious Diseases	No	No	No		
Rosanova	2017	Inflammopharmacolog	110	110	110		
Yu^{185}	2018	у	No	No	No		
1 U	2010	y	110	110	110		

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		International			
Kakkos ¹⁸⁶	2018	Angiology	No	No	No
		International			
Ou^{187}	2018	Immunopharmacology	Full	No	No
		International			
Yin ¹⁸⁸	2018	Immunopharmacology	No	No	No
		International Journal			
Zhu ¹⁸⁹	2018	of Clinical Oncology	No	No	No
		International Journal			
Liu ¹⁹⁰	2018	of Neuroscience	No	No	No
		International Journal			
Coccolini ¹⁹¹	2018	of Surgery	No	No	No
		International Journal			
Fan ¹⁹²	2018	of Surgery	No	No	No
		International Journal			
Li ¹⁹³	2018	of Surgery	No	No	No
		International Journal			- 10
Li ¹⁹⁴	2018	of Surgery	No	No	No
		International Journal			
Liu ¹⁹⁵	2018	of Surgery	No	No	No
2.00	2010	International Journal	110		1,0
Ran ¹⁹⁶	2018	of Surgery	Noq	No	No
	2010	International Journal	110	1.0	1.0
Zhao ¹⁹⁷	2018	of Surgery	No	No	No
Zimo	2010	International Journal	110	110	
Zhu ¹⁹⁸	2018	of Surgery	No	No	No
	2010	Journal of Affective	110	110	1,0
Wagner ¹⁹⁹	2018	Disorders	Partial	No	No
vv agner	2010	Journal of Assisted	1 urtiur	110	110
		Reproduction and			
Hickman ²⁰⁰	2018	Genetics	No	No	No No
THERMAN	2010	Journal of Cancer	110	110	110
		Research and Clinical			
Luo ²⁰¹	2018	Oncology	No	No	No
Luo	2010	Journal of Cancer	110	110	110
		Research and Clinical			
Wang ²⁰²	2018	Oncology	Partial ^r	No	No
17 0115	2010	Journal of Cancer	1 artial	110	110
		Research and			
Wang ²⁰³	2018	Therapeutics	No	No	No
vv allg	2010	Journal of Cardiac	110	INU	INU
Aboul-Hassan ²⁰⁴	2017	Surgery	No	No	No
AUUII-Hassail-	2017	Journal of	110	INU	INU
		Cardiovascular			
Wang ²⁰⁵	2018		No	No	No
w ang-	2018	Surgery	INO	1NO	INO
		Journal of Clinical			
D 206	2010	Endocrinology and	F11	NI-	NI-
Barrionuevo ²⁰⁶	2018	Metabolism	Full	No	No

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		Pharmacy and				
Cui ²⁰⁷	2018	Therapeutics	Fulls	No	No	F
		Journal of				
Sawyer ²⁰⁸	2018	Dermatological	NT-	No	NI-	
Sawyer	2018	Treatment Journal of Emergency	No	NO	No	
Markey ²⁰⁹	2018	Medicine	No	No	No	
Markey	2010	Journal of	INO	110	NO	
		Gastrointestinal and				
Szabó ²¹⁰	2017	Liver Diseases	No	No	No	
		Journal of				
Su^{211}	2018	Immunology Research	No	No	No	
		Journal of				
		Interventional Cardiac				
Chen ²¹²	2018	Electrophysiology	No	No	No	
		Journal of Orthopaedic				
Chen ²¹³	2017	Surgery and Research	No	No	No	
x :214	2010	Journal of Orthopaedic			27	
Li^{214}	2018	Surgery and Research	No	No	No	
Luo ²¹⁵	2018	Journal of Orthopaedic Surgery and Research	No	No	No	
Luo	2018	Journal of Orthopaedic	INO	NO	NO	
Ma ²¹⁶	2018	Surgery and Research	No	No	No	
ivia	2010	Journal of Psychiatric	110	110	110	
He ²¹⁷	2018	Research	Full	No	No	F
		Journal of Stroke &				
		Cerebrovascular				
Wang ²¹⁸	2018	Diseases	No	No	No	
		Journal of the				
		American Academy of				
Dhana ²¹⁹	2018	Dermatology	No	No	No	
		Journal of the				
Karatasakis ²²⁰	2017	American Heart	NT-	No	No	
Karatasakis	2017	Association Journal of the	No	NO	NO	
		European Academy of				
		Dermatology and				
Kuo ²²¹	2018	Venereology	Full	No	No	F
		Journal of Traditional				
Liu ²²²	2016	Chinese Medicine	No	No	No	
		Journal of Zhejiang				
		University-SCIENCE				
Zheng ²²³	2017	В	No	No	No	
- 224		Lancet Respiratory				
Fregonese ²²⁴	2018	Medicine	No	No	No	
Bornstein ²²⁵	2018	Neurological Sciences	No	No	No	
Chen ²²⁶	2018	Ophthalmic Research	No No	No No	No No	
Han ²²⁷ Peng ²²⁸	2017 2017	Pain Physician	No No	No No	No No	
r clig	2017	Pain Physician	INO	INO	INO	

Eam a 229	2016	Pharmazie	No	No	No			
Feng ²²⁹ Xu ²³⁰	2016	Pharmazie Pharmazie	No No	No No	No No			
Λu	2010	PLOS Neglected	INU	INU	INU			
Palmeirim ²³¹	2018		No	No	No			
Paimeirim ²³¹	2018	Tropical Diseases	INO	NO	NO			
E232	2010	Psychotherapy and	NI-	NI-	N-			
Furukawa ²³²	2018	Psychosomatics	No	No	No			
Liu ²³³	2018	Renal Failure	No	No	No			
Miravitlles ²³⁴	2017	Respiratory Research	Full	No	No			r
Wang ²³⁵	2017	Respiratory Research	No	No	No			
**		Rheumatology						
Kawalec ²³⁶	2018	International	No	No	No			
Malhotra ²³⁷	2018	Stroke	No	No	No			
		Surgical Laparoscopy						
		Endoscopy &						
		Percutaneous						
Zhang ²³⁸	2018	Techniques	No	No	No			
Yamashita ²³⁹	2018	Thrombosis Research	No	No	Partial		E	
Zhang ²⁴⁰	2018	Vaccine	No	No	No			
Other (n = 10)								
		Medical Science						
Chen ²⁴¹	2018	Monitor	No	No	No			
Arteagoitia ²⁴²	2018	PLOS ONE	No	No	No			
Feng ²⁴³	2018	PLOS ONE	No	No	No			
Kawakami ²⁴⁴	2018	PLOS ONE	No	No	No			
Li ²⁴⁵	2018	PLOS ONE	No	No	No			
Lin ²⁴⁶	2017	PLOS ONE	No	No	No			
Ling ²⁴⁷	2018	PLOS ONE	No	No	No			
Rohner ²⁴⁸	2017	PLOS ONE	No	No	No			
Sethi ²⁴⁹	2018	PLOS ONE	Partial	No	No		F	
Wolf ²⁵⁰	2018	PLOS ONE	No	No	No		*	
					ost trials. Specific details about f	funding were reported for 2	trials and details on author ties a	nd amployment were

Funding sources categorized as government funded, industry funded, or mixed for most trials. Specific details about funding were reported for 2 trials and details on author ties and employment were reported for a single trial; ^bAuthors reported extracting funding sources from included RCTs but funding sources are only reported for a single study; ^cReported funding sources for all included studies except for one; ^dReported author financial ties for all included studies except for 2; ^eNon-industry author employment reported for some included RCTs; ^fFunding sources and author ties reported for all included RCTs except one that was a conference abstract; ^gFunding sources only reported for a single RCT; ^hAuthors reported whether or not included RCTs had decaled COI (yes, no) and, if yes, indicated the page of the original study the declaration could be found on. This was coded as partially reporting because the nature of these COI was not reported within the meta-analysis publication itself and it was unclear whether these were financial ties and whether they were with industry; ⁱNon-industry author financial ties reported for some included RCTs; ^jA single RCT was reported as 'industry sponsored' with no specifics about the sponsor; ^kAuthors coded studies as sponsored by industry or not, and any of author industry affiliation, industry funding, or data obtained from pharmaceutical company qualified an RCT as 'sponsored'; ⁱAuthors report that 'some trials had a high risk of reporting bias because they were sponsored by pharmaceutical companies' but do not specify which or even how many trials; ^mAuthors reported that all included RCTs had authors with financial ties to industry but provided no further information; ⁿReported whether each included RCT was industry funded (yes or no) but provided no further information; ⁿFor some analyses the authors reported how many included RCTs were non-commercially funded and present results including only non-commercially funded trials, but do not provid

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PRISMA 2009 Checklist

			Deported
Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	N/A
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	3,4
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	5,6
8 Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	6
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	6
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	6,7
7 Information sources 8	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	7
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	eMethods1
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	6-8
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	8-10
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	8-12
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	N/A
2 Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	3, 10,11
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I²) for each meta-analysis. For peer review only - http://bmjopen.bmj.com/site/about/guidelines.xhtml	10,11

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PRISMA 2009 Checklist

4Page 1 of 2							
Section/topic	#	Checklist item	Reported on page #				
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	N/A				
Additional analyses	16	cribe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating ch were pre-specified.					
RESULTS							
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	12, Figure 1				
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	12, 13, 26, 27 (Table 1)				
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	N/A				
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	N/A				
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	N/A				
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	N/A				
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	28 (Table 2)				
DISCUSSION							
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	15-17				
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	17				
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	15-17				
FUNDING							
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	19				

44 From: Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(6): e1000097. doi:10.1371/journal.pmed1000097



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Reporting of Drug Trial Funding Sources and Author Financial Conflicts of Interest in Cochrane and non-Cochrane Meta-analyses: A Cross-sectional Study

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- 1 Reporting of Drug Trial Funding Sources and Author Financial Conflicts of Interest in
- 2 Cochrane and non-Cochrane Meta-analyses: A Cross-sectional Study

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<u>ABSTRACT</u>

Objective: To (1) investigate the extent to which recently published meta-analyses report trial funding, author-industry financial ties, and author-industry employment from included RCTs, comparing Cochrane and non-Cochrane meta-analyses; (2) examine characteristics of meta-analyses independently associated with reporting funding sources of included RCTs; and (3) compare reporting among recently published Cochrane meta-analyses to Cochrane reviews published in 2010. **Design:** Review of consecutive sample of recently published meta-analyses. Data sources: MEDLINE database via PubMed searched on October 19, 2018. Eligibility criteria for selecting articles: We selected the 250 most recent meta-analyses listed in PubMed that included a documented search of at least one database, statistically combined results from ≥ 2 RCTs, and evaluated the effects of a drug or class of drugs. **Results:** 90 of 107 (84%) Cochrane meta-analyses reported funding sources for some or all included trials compared with 21 of 143 (15%) non-Cochrane meta-analyses, a difference of 69% (95% confidence interval [CI], 59% to 77%). Percent reporting was also higher for Cochrane meta-analyses compared with non-Cochrane meta-analyses for trial author-industry financial ties (44% versus 1%; 95% CI for difference, 33% to 52%) and employment (17% versus 1%; 95% CI for difference, 9% to 24%). In multivariable analysis, compared with Cochrane meta-analyses, the odds ratio for reporting trial funding was ≤ 0.11 for all other journal category and impact factor combinations. Compared with Cochrane reviews from 2010, reporting of funding sources of included RCTs among recently published Cochrane meta-analyses improved by 54% (95% CI, 42% to 63%), and reporting of trial author-industry financial ties and employment

improved by 37% (95% CI, 26% to 47%) and 10% (95% CI, 2% to 19%).

- **Conclusions:** Reporting of trial funding sources, trial author-industry financial ties, and trial
- author-industry employment in Cochrane meta-analyses has improved since 2010 and is higher

than in non-Cochrane meta-analyses.



Strengths and limitations of this study

- The meta-analyses selected for inclusion in our study was a consecutive sample of meta-analyses of drug interventions published in 2016-2018.
- We compared reporting of funding and financial conflicts of interest among trials included in recent Cochrane and non-Cochrane meta-analyses.
- We compared reporting of funding and financial conflicts of interest among trials included in recent Cochrane meta-analyses with Cochrane systematic reviews from 2010.
- We were unable to examine whether meta-analyses published in different types of
 journals or journals with different impact factors are more or less likely to report
 on financial conflicts of interest from included trials because most meta-analyses
 of drug trials are published as Cochrane reviews or in relatively low-impact
 specialty medicine journals.
- Our study examined only disclosed financial conflicts of interest and did not attempt to identify non-disclosed conflicts.

INTRODUCTION

Financial conflicts of interest (FCOIs) can introduce bias in drug trials by influencing how a trial is designed, inclusion and exclusion criteria, choice of drug dosages and comparators, selection of trial outcomes, how analyses are conducted, interpretation of findings, which outcomes are reported, and whether trial results are published.¹⁻¹⁰ Drug trials funded by industry are approximately 30% more likely to report favourable efficacy findings than non-industry trials,⁸ and drug trials with principal investigators with FCOIs have higher odds of reporting favourable outcomes than those led by principal investigators without FCOIs, even after controlling for trial funding sources.⁷

Previous studies that have examined meta-analyses of drug trials published in high-impact journals and Cochrane systematic reviews of drug trials have found that funding sources and author FCOIs of included randomized controlled trials (RCTs) were rarely reported. A 2011 study found that only 2 of a sample of 29 (7%) meta-analyses on the effects of drug interventions published in high-impact journals in 2009 reported the funding sources of included drug trials and that none reported trial author-industry financial ties or author-industry employment. A second study, published in 2012, examined Cochrane systematic reviews of drug trials and found that only 46 of 151 (30%) eligible reviews published in 2010 reported information on the funding source of some or all included trials, 11 (7%) provided any information on author-industry financial ties, and 10 (7%) provided any information on author-industry employment from included trials.

In 2012, the Cochrane Collaboration began to require that Cochrane reviews report trial funding sources and FCOIs of the primary researchers of all included trials in the characteristics of included studies table (Methodolgical Expectations of Cochrane Intervention Reviews

(MECIR), standards R69 and R70) .^{13, 14} The Preferred Reporting Items for Systematic Reviews and Meta-analyses (PRISMA) statement, however, has not been updated since its publication in 2009^{15, 16} and does not address the reporting of trial funding or author FCOIs of trials included in systematic reviews and meta-analyses.

We do not know of any studies that have compared reporting among Cochrane metaanalyses with meta-analyses published in other journals or examined whether reporting in
Cochrane reviews has improved since Cochrane implemented its reporting policy. The objectives
of the present study were to (1) investigate the extent to which Cochrane and non-Cochrane
meta-analyses of drug trials report trial funding sources, author-industry financial ties, and
author-industry employment; (2) examine characteristics of meta-analyses that are independently
associated with reporting funding sources of included RCTs; and (3) compare reporting among
recently published Cochrane meta-analyses to reporting from Cochrane systematic reviews
published in 2010,¹¹ prior to implementation of Cochrane's reporting policy.

METHODS

The methods for the present study were based on our previous study of reporting of funding sources, author-industry financial ties, and author-industry employment from trials included in Cochrane systematic reviews published in 2010; however in the present study, we included only Cochrane reviews that contained a meta-analysis, whereas in the previous study all Cochrane reviews that included results from at least one RCT were eligible. Because of this difference, in our comparison, in addition to main analyses, we conducted sensitivity analyses that only included systematic reviews with meta-analyses from the previous study. A study protocol was developed prior to initiating the present study and was posted on the Open Science Framework (https://osf.io/njk5w/).

Selection of meta-analyses

Meta-analyses in any language were eligible if they (1) included a documented search for eligible RCTs using at least one database, (2) statistically combined results from > 2 RCTs, and (3) evaluated the efficacy/effectiveness or harm of a drug or class of drugs against an alternative treatment (e.g., placebo, alternative drug, non-pharmacological treatment) or no treatment. Metaanalyses that only assessed different methods of administration, dosages, or dosage schedules of the same drug were excluded. Drugs were defined broadly to include biologics and vaccines, but not nutritional supplements or medical devices without a drug component. Meta-analyses that investigated a combination of pharmacological and non-pharmacological interventions or interventions which may or may not involve a drug (e.g., amnioinfusion) were included if a study group was exclusively given a drug intervention or if the meta-analysis assessed the addition of a drug to a treatment received by both intervention and control groups. Interventions were classified as having a drug component if any form of the active ingredient (e.g., dosage, route, strength, compound) was listed as an approved or discontinued brand name, generic drug or therapeutic biological product by the US Food and Drug Administration (FDA) as listed in the Drugs@FDA database at the time of review. 17 If an agent was not listed in the Drugs@FDA database and was classified by the FDA as a non-drug (e.g., food additive, supplement), then it was not considered a drug. If an agent was not regulated as a drug and was not listed as a nondrug by the FDA, drug status was determined based on consensus among investigators using publicly available sources that provided information on the agent.

We searched the MEDLINE database via PubMed on October 19, 2018 using a search developed by a medical librarian (see eMethods1 for strategy). Citations were uploaded into the systematic review software DistillerSR (Evidence Partners, Ottawa, Canada), which was used to

code and track results. Two investigators independently evaluated titles and abstracts for potential eligibility. Full texts of titles and abstracts deemed potentially eligible by either investigator were then reviewed by two investigators independently. Disagreements at the full-text level were resolved through consensus with a third investigator consulted as necessary. Because we sought to include the most recently published meta-analyses that met eligibility criteria, prior to reviewing, citations were organized by PubMed reference identification numbers with the most recent first. Title and abstract and full-text reviews were conducted sequentially until we obtained our desired number of included meta-analyses based on our power analysis.

Data extraction

For each eligible meta-analysis, one reviewer initially extracted all data into a pre-defined form in DistillerSR, and a second reviewer validated all extracted data using the DistillerSR Quality Control function. Discrepancies were resolved by consensus and consultation with a third investigator, if needed. For each included meta-analysis, reviewers extracted first author last name; year of publication; journal name; Clarivate Analytics 2017 journal impact factor; journal speciality area based on Clarivate Analytics classification; whether it was a Cochrane meta-analysis published in the Cochrane Database of Systematic Reviews or elsewhere; funding source for the meta-analysis and author-industry financial ties and employment; reporting in the meta-analysis of trial funding sources, trial author-industry financial ties, and trial author-industry employment; and whether the meta-analysis referenced a published protocol or contained a PROSPERO registration number. If a registration number was not provided, we searched the PROSPERO website (https://www.crd.york.ac.uk/PROSPERO/) using key terms from the published article, then attempted to match the principal investigator, funding source,

intervention, non-intervention comparator group, and design from the article to registrations obtained in the search.

To extract information on meta-analysis funding source, meta-analysis author-industry financial ties, and meta-analysis author-industry employment and to determine whether or not trial funding sources, trial author-industry financial ties, and trial author-industry employment were reported in the meta-analysis, for each included meta-analysis, reviewers examined all text, tables, figures, appendices, disclosure statements, acknowledgements and any online supplemental material, published with the manuscript or linked to the manuscript. Funding sources for meta-analyses were classified as (1) non-industry (e.g., public granting agency, private not-for-profit granting agency), (2) pharmaceutical industry, (3) combined pharmaceutical industry and non-industry, (4) no funding or (5) not reported. Financial ties of meta-analysis authors to industry were defined per the International Committee of Medical Journal Editors Uniform Disclosure Form for Potential Conflicts of Interest¹⁸ and included current or former board membership, current or former consultancy, current or former industry employment, expert testimony, industry grants (issued or pending), payment for lectures including service on speakers bureaus, payment for manuscript preparation, patents (planned, pending, or issued), royalties, payment for development of educational presentations, stock or stock options, travel reimbursement, or other relationships with industry, as disclosed in the review. Of these, we specifically coded if industry employees were part of the author group. If a meta-analysis did not contain a disclosure statement, meta-analysis author-industry financial ties were coded as not reported.

For reporting of (1) trial funding sources, (2) trial author-industry financial ties, and (3) trial author-industry employment, meta-analyses were coded as (1) reporting for all included

trials; (2) reporting for some, but not all, included trials (partial reporting); or (3) not reporting. Meta-analyses that included data from a pharmaceutical industry database or noted that trial drugs were supplied by the manufacturers for certain trials, but that did not make any explicit statement of trial funding sources, were coded as not reporting. For meta-analyses that reported information on funding sources or author FCOIs from included trials, either fully or partially, we recorded where in the meta-analysis the information was reported. Specifically, we recorded whether the information was reported in the abstract, lay summary, risk of bias material (text, figure or table, both), main text other than risk of bias, elsewhere in the main document (e.g., characteristics of included studies table, other table, footnote of a table), or in an online appendix. See eMethods2.

Power analysis

To determine the number of meta-analyses to target, we first calculated the number of included meta-analyses that would be needed for 80% power to find a statistically significant difference if there were a 20% difference in reporting trial funding sources based on meta-analysis characteristics, with $\alpha = 0.05$. We varied the rates of reporting from 10% versus 30% to 70% versus 90% and considered scenarios where the proportion of reporting meta-analyses with each characteristic (e.g., high-impact journals versus low-impact journals) was 50% versus 50% and 30% versus 70%. For a two-tailed binomial test with $\alpha = 0.05$, the maximum number of included meta-analyses needed in any scenario was 239. Because the consequence of overpowering the study was additional labour and not risk to human participants, we rounded this number up to 250 meta-analyses. See eMethods3.

Statistical analyses

We presented characteristics of included meta-analyses descriptively, including funding sources and FCOIs. We determined the proportion of meta-analyses that reported trial funding source, author-industry financial ties, and author-industry employment of included trials for (1) all included trials, (2) some, but not all, included trials, and (3) no included trials, along with 95% confidence intervals (CIs). We compared the difference between the proportion of recently published Cochrane meta-analyses that reported study funding, author-industry financial ties, and author-industry employment from included RCTs with recently published non-Cochrane meta-analyses and with Cochrane systematic reviews published in 2010. Because the present study included meta-analyses only, but the previous study of Cochrane reviews included systematic reviews with or without meta-analyses, 12 we conducted a sensitivity analysis in which we excluded Cochrane systematic reviews from 2010 that did not include a meta-analysis and would not have been eligible for inclusion in the present study. We calculated 95% CIs for all differences. 19

To assess the relationship between meta-analysis characteristics and reporting of funding sources for some or all included trials, versus not reporting, we fit unadjusted (bivariate) and adjusted (multivariate) logistic regression models with all predictors using the glm function in R (R version 3.2.3; RStudio Version 1.0.136).^{20, 21} The predictor variables that were considered in bivariate and. adjusted analyses were: (1) combined category (Cochrane, specialty medicine, general medicine, multidisciplinary) and impact factor of the journal in which the meta-analysis was published; and (2) whether there was industry funding for the meta-analysis or any FCOI disclosed by meta-analysis authors. We combined journal category and impact factor because of the small number of journals in some categories and the small number of journals with impact factor greater than that of Cochrane. Thus, meta-analyses were categorized as (1) low-impact (≤

3.0) specialty medicine journals, (2) low-impact (\leq 3.0) general medicine or multidisciplinary journals, (3) medium-impact (3.1 - 6.7) specialty medicine journals, (4) high-impact (\geq 6.8) specialty medicine or general medicine journals, and (5) Cochrane meta-analyses (impact factor = 6.8; reference category). Because 28 of 33 meta-analyses in general medicine journals were from a single journal (*Medicine*) and not necessarily representative of general medicine as a category, and because 9 of the 10 meta-analyses published in multidisciplinary science journals were published in a single journal (*PLOS ONE*), we combined general medicine and multidisciplinary journals.

Our initial protocol indicated that, if possible, we would include in the logistic regression model the year of publication of the meta-analysis and whether there was meta-analysis funding by industry, meta-analysis author-industry financial ties, and meta-analysis author-industry employment, separately. However, 246 of 250 included meta-analyses were published in 2017-2018, and only 3 meta-analyses had industry funding; thus, we did not include year of publication, and we grouped meta-analysis funding source and author FCOIs into a single variable (No FCOIs including funding source versus any FCOI). Additionally, we only conducted a multivariable analysis for the reporting of funding sources of included RCTs and not for reporting of author-industry financial ties and author-industry employment, because there were not enough examples of meta-analyses that reported author-industry financial ties and author-industry employment.

Patient and Public Involvement

Patients and members of the public were not involved in the design, conduct, reporting, or plan for dissemination of our research.

RESULTS

Selection of eligible meta-analyses

Our initial search of PubMed without date restrictions retrieved 9,725 unique citations. To select 250 eligible meta-analyses, working backwards from the most recent, a total of 401 citations were screened for eligibility; 64 were excluded at the title and abstract level and 76 at the full-text level. See Figure 1.

As shown in Table 1, of the 250 included meta-analyses, 107 (43%) were Cochrane reviews, all of which were published in the Cochrane Database of Systematic Reviews. Among the 143 non-Cochrane meta-analyses, 33 (23%) were published in general medicine journals (including 28 in the journal *Medicine*), 100 (70%) in specialty medicine journals, and 10 (7%) in multidisciplinary journals (including 9 in *PLOS ONE*). The mean number of included RCTs for both Cochrane and non-Cochrane meta-analyses was approximately 20. Among the 143 non-Cochrane meta-analyses, 25 (17%) referenced a published protocol or were registered in PROSPERO, and 106 (74%) were published in a journal with impact factor ≤ 3 .

Of the 250 meta-analyses, 3 (1%) reported being funded by industry, 148 (59%) reported funding from non-industry sources, 56 (22%) reported no funding, and 43 (17%) did not report funding source; 3 (1%) had at least 1 author who reported current industry employment, 51 (20%) had at least 1 author that reported other financial ties with industry, 187 (75%) reported that there were no authors with FCOIs, and 12 (5%) did not report any information about author FCOIs. Characteristics of each of the 250 included meta-analyses are shown in eTable1.

Reporting in meta-analyses of funding sources and author FCOIs from included drug trials

As shown in Table 2, 111 of the 250 (44%) included meta-analyses reported the funding sources for some or all included trials, 49 (20%) reported author-industry financial ties for some or all included trials, and 19 (8%) reported author-industry employment for some or all included

trials. Of the 107 Cochrane meta-analyses, 90 (84%) reported funding sources for some or all included trials compared with 21 of 143 (15%) non-Cochrane meta-analyses, a difference of 69% (95% CI, 59% to 77%); 47 (44%) Cochrane meta-analyses reported author-industry financial ties for some or all included trials compared with 2 (1%) non-Cochrane meta-analyses, a difference of 43% (95% CI, 33% to 52%); 18 (17%) Cochrane meta-analyses reported, fully or partially (for some but not all trials), author-industry employment compared with 1 (1%) non-Cochrane meta-analysis, a difference of 16% (95% CI, 9% to 24%).

Among the 90 Cochrane meta-analyses that reported funding sources for some or all included trials, 77 (86%) provided this information in the characteristics of included studies table, including 23 (26%) that also included it in the assessment of risk of bias of included trials; 7 (8%) included it in the risk of bias assessment and at least one other place, but not the characteristics of included studies table, and 6 (7%) reported only as part of the risk of bias assessment. In total, 36 (40%) reported in the context of the risk of bias assessment. See eTable2 for reporting for all 250 included meta-analyses.

Factors associated with reporting FCOIs from included trials in multivariable analysis

As shown in Table 3, the odds ratio for reporting funding sources for some or all included RCTs among non-Cochrane meta-analyses was ≤ 0.11 compared with Cochrane meta-analyses for all journal category and impact factor combinations. Meta-analyses with any declared FCOI (OR 1.29, 95% CI 0.53 to 3.19) and meta-analyses for which the presence of FCOIs was not reported (OR 1.18, 95% CI 0.40 to 3.44) did not differ significantly in reporting compared with those with no declared FCOIs.

Comparison of recent Cochrane meta-analyses versus Cochrane reviews published in 2010

Reporting of funding sources for some or all included trials improved from 30% in Cochrane reviews of drug trials published in 2010 to 84% in recently published Cochrane meta-analyses, an improvement of 54% (95% CI, 42% to 63%). Reporting of author-industry financial ties for some or all included trials improved from 7% in 2010 to 44% in recent meta-analyses, a 37% change (95% CI, 26% to 47%). Reporting of author-industry employment for some or all included trials improved from 7% in 2010 to 17% in recent meta-analyses (10%; 95% CI, 2% to 19%). Results did not change when the comparison was restricted to Cochrane reviews published in 2010 that included a meta-analysis. See Table 2. Figure 2 summarizes reporting among recently published Cochrane and non-Cochrane meta-analyses and Cochrane reviews from 2010.

DISCUSSION

Principal findings

We reviewed the 250 most recent meta-analyses of drug treatments listed in PubMed at the time of our search. Of these, 107 (43%) were Cochrane reviews, 100 (40%) were published in specialty medicine journals, and 43 (17%) were published in general medicine or multidisciplinary journals, including 28 in *Medicine* and 9 in *PLOS ONE*. Of the 143 non-Cochrane meta-analyses, 106 (74%) were published in journals with impact factor \leq 3.

Among Cochrane meta-analyses, 84% reported funding sources for some or all included RCTs compared with 15% of non-Cochrane meta-analyses. Cochrane meta-analyses were also more likely than non-Cochrane meta-analyses to report author-industry financial ties (44% versus 1%) and author-industry employment (17% versus 1%).

In 2010, only 30% of 151 Cochrane systematic reviews of drug treatments reported trial funding sources. ¹² This improved to 84% among recent Cochrane meta-analyses. Cochrane reviews also improved reporting of author-industry financial ties and author-industry

employment of included RCTs from 7% to 44% and from 7% to 17%. It is possible that the reason that few meta-analyses reported author-industry employment is because some may have assumed that author-industry employment would be considered a type of author-industry financial tie and did not report employment separately, whereas we considered author-industry financial ties and employment separately.

Among the 90 Cochrane meta-analyses that reported funding sources of included trials in the present study, 86% included the information in the characteristics of included studies table, as required by Cochrane, and 40% included the information in the risk of bias assessment.

Findings in context

In 2012, soon after our previous results showed that few Cochrane systematic reviews of drug trials reported funding sources and author FCOIs of included trials, ¹² the Cochrane Collaboration began to require that trial funding sources and FCOIs be reported for every included RCT in the characteristics of included studies table. ^{13, 14} Reporting of trial funding sources among recent Cochrane meta-analyses has not reached 100%, and work is needed to improve the reporting of other types of author FCOIs, which was under 50% despite being required by Cochrane. Nonetheless, the improvements documented in the present study are substantial, both compared with previous Cochrane reviews and with contemporary non-Cochrane meta-analyses. Cochrane is a global organization consisting of a large number of different review and methods groups that span numerous fields of health research. This diversity suggests that changes that have occurred likely resulted from change in the mandatory reporting requirements for Cochrane reviews and widespread adoption by the organization. We did not examine whether performance differed by review groups or whether updated reviews based on initial protocols that pre-dated Cochrane's reporting policy may have been less likely to fully

report. It is possible that reporting in Cochrane reviews could be improved even further by ensuring that all review groups are fully compliant and that even reviews with older initial protocols report per Cochrane's current MECIR standards, as required by Cochrane.¹⁴

The improved performance in reporting in Cochrane reviews suggests the possibility that other journals could improve the transparency of reporting of trial funding and trial author FCOI in evidence syntheses by adopting similar reporting requirements. Most journals that specify reporting requirements stipulate that authors follow reporting standards for meta-analyses articulated in the PRISMA statement. The current version of the PRISMA statement does not address reporting of trial funding sources and FCOIs of trial authors by investigators who publish systematic reviews and meta-analyses. ^{16, 17} The forthcoming updated PRISMA statement, however, will require that trial funding, although not trial author FCOIs, be reported (personal communication, David Moher, May 22, 2019). Adoption and enforcement of the updated PRISMA reporting standards by journals could result in authors being better informed about the need for reporting funding sources and FCOI and in peer reviewers and journals being more likely to require transparent reporting.

Members of our research team have previously recommended that risk of bias from trial funding and trial author FCOIs be included in the Cochrane Risk of Bias Tool based on evidence that links trial sponsorship and trial author FCOIs to outcomes. ¹¹ This recommendation was debated at a Cochrane Methods Symposium in 2013, but consensus was not reached for inclusion. ^{13, 22} The present study found that 40% of Cochrane meta-analyses that reported on FCOIs from included trials included this as part of a risk of bias assessment, even though this has not been recommended by Cochrane. Currently, a new tool, the

Tool for Addressing Conflicts of Interest in Trials (TACIT),²³ which specifically addresses risk of bias from industry sponsorship of trials and author-industry financial ties and employment, is being developed for inclusion in Cochrane reviews. Once the TACIT tool is completed, risk of bias from trial funding and trial author FCOIs will be explicitly considered in Cochrane reviews and, potentially, in non-Cochrane reviews, as well. Meanwhile, authors should, at a minimum, describe FCOIs and discuss the degree to which they may influence confidence in findings.

Strengths and limitations

A strength of the present study is that we assessed reporting in a large number of recently published meta-analyses, including 107 Cochrane meta-analyses, which allowed us to compare reporting practices among Cochrane and non-Cochrane meta-analyses and recent Cochrane meta-analyses with Cochrane systematic reviews from 2010. However, there are limitations that should be considered. First, we used impact factor as a rough proxy of the quality of the metaanalyses included, but journal impact factor is very much an imperfect proxy; it does not necessarily reflect the quality of the methods of the included meta-analyses. Rating metaanalysis quality in all included meta-analyses was beyond the scope of our study, given the resources that would have been required. Second, since most meta-analyses of drug trials are published as Cochrane reviews or in relatively low-impact specialty medicine journals, we were not able to conduct robust assessments of whether meta-analyses published in different types of journals or journals with different impact factors are more or less likely to report on trial funding and trial author FCOIs for included drug trials. The vast majority of meta-analyses published in general medicine journals were from a single journal (Medicine), which further limited our ability to examine this factor. However, the meta-analyses included in our study constituted a consecutive sample of the most recent meta-analyses listed in PubMed and, thus, represented all

meta-analyses of drug interventions listed in PubMed during the study period. Third, our study examined only disclosed FCOIs. A surprising finding was that a higher proportion of Cochrane meta-analysis authors indicated that they had FCOIs compared with non-Cochrane authors; it is not known if this reflects greater industry involvement among Cochrane authors or a higher propensity to report transparently and completely among this group of authors. Fourth, information about FCOIs from included RCTs was not extracted from the RCT publications. Fifth, our previous study of Cochrane reviews from 2010 included all systematic reviews, whereas the present study was restricted to reviews with meta-analyses. However, a sensitivity analysis showed that results did not change when we compared recent results to those from 2010 that were restricted to reviews with a meta-analysis.

Conclusions and policy implications

In summary, the percentage of recent Cochrane meta-analyses on the effects of drug interventions that transparently reported funding sources and trial author-industry financial ties and employment for included trials far exceeds reporting in other journals. It also far exceeds reporting in Cochrane systematic reviews published in 2010, before the implementation by Cochrane of its policy requiring the reporting of trial funding sources and author-industry FCOIs. These results suggest that it is possible to achieve more transparent reporting of FCOIs from trials included in meta-analyses. We encourage the uptake and enforcement of reporting requirements in the forthcoming updated PRISMA statement.²⁴ We also encourage the adoption of Cochrane's new TACIT tool²³ by journals and authors in order to assess trial funding sources and author FCOIs as risks of bias. Continued non-disclosure of FCOIs when evidence is synthesized in meta-analyses misleads readers of medical journals into

- believing that there is not risk of bias from FCOIs to be considered, even though an increasingly
- robust evidence base tells us that this is often not the case.^{7,8}



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previous three years; no other relationships or activities that could appear to have influenced the

- 470 Ethics Statement: As this study involved only the review of published articles, research ethics471 approval was not required.
- **Transparency Declaration:** The manuscript's guarantor affirms that this manuscript is an
 473 honest, accurate, and transparent account of the study being reported; that no important aspects
 474 of the study have been omitted; and that any discrepancies from the study as planned (and, if
 475 relevant, registered) have been explained.
- Data Sharing: All extracted data are available in the main tables or in online supplementary material. No additional data were extracted.

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537	FIGURES
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Figure 1. Flow diagram of selection of eligible meta-analyses.

Figure 2. Percentage of recently published Cochrane and non-Cochrane meta-analyses and 2010

Cochrane systematic reviews that reported included trial funding source, author-industry

financial ties, and author-industry employment for some or all included trials.



Table 1. Characteristics of included meta-analyses

	Cochrane	Non-Cochran
	Meta-Analyses	Meta-Analyses
	(N=107)	(N=143)
Year of publication		
2016, N (%)	0	4 (3%)
2017, <i>N</i> (%)	22 (21%)	31 (22%)
2018, <i>N</i> (%)	85 (79%)	108 (76%)
Number of Included RCTs , $mean \pm SD$	21.4 ± 24.4	19.6 ± 46.4
Registered in PROSPERO or Published Protocol, ${\cal N}$	107 (100%)	25 (17%)a
(%)		
Impact Factor , $mean \pm SD$	6.8 ± 0	3.6 ± 5.4
≤ 3	0	106 (74%)
3.1-6.7	0	27 (19%)
6.8	107 (100%)	0
> 6.8	0	10 (7.0%)
Meta-Analysis Funding Sources		
Not reported	4 (4%)b	39 (27%)
Industry	0	3 (2%)
Non-Industry	93 (87%)	55 (38%)
No funding	10 (9%)	46 (32%)
Meta-Analysis Author Financial Ties to Industry		
(Including Employment) ^c		
Not reported, N (%)	1 (1%)	11 (8%)
No authors with reported financial ties, N (%)	70 (65%)	117 (81%)

\geq 1 author with reported financial ties, N (%)	36 (34%)	15 (10%)
Proportion of authors with financial ties,	11% ± 17%	4% ± 15%
$mean + SD^d$		

Journal Category

Cochrane review, N (%)	107 (100%)	0
Specialty medicine N (%)	0	100 (70%)
General medicine (non-Cochrane), N (%)	0	33 (23%)
Multidisciplinary, g N (%)	0	10 (7%)

One meta-analysis reported that they registered in PROSPERO but did not provide a registration number and one could not be found. We contacted the authors and they did not provide us with further information; thus this was coded as not registered. bOnly 3 included meta-analyses reported author-industry employment and these were grouped with author-industry financial ties for this table 'Cochrane reviews typically have a "Sources of Support" section with funding information. These reviews did not include that section. dProportion of authors with financial ties or employment of those that reported. Classifications for specialty medicine journals (note that some journals had more than one classification): Anesthesiology, N = 3; Biochemistry & Molecular Biology, N = 1; Biotechnology & Applied Microbiology, N = 2; Cardiac & Cardiovascular Systems, N = 7; Cell Biology, N = 1; Chemistry, Medicinal, N = 4; Chemistry, Multidisciplinary, N =2; Clinical Neurology, N = 6; Critical Care Medicine, N =2; Dermatology, N = 3; Emergency Medicine, N = 2; Endocrinology & Metabolism, N = 2; Gastroenterology & Hepatology, N = 6; Genetics & Heredity, N = 1; Hematology, N = 2; Immunology, N = 6; Infectious Diseases, N =3; Integrative & Complementary Medicine, N=1; Medicine, Research & Experimental, N=3; Microbiology, N= 2; Neurosciences, N = 3; No classification, N = 2; Obstetrics & Gynecology, N = 4; Oncology, N = 11; Ophthalmology, N = 3; Orthopedics, N = 6; Parasitology, N = 1; Peripheral Vascular Disease, N = 5; Pharmacology & Pharmacy, N = 13; Physiology, N = 1; Psychiatry, N = 4; Psychology, N = 1; Reproductive Biology, N = 1; Respiratory System, N = 6; Rheumatology, N = 3; Sport Sciences, N = 1; Surgery, N = 11; Toxicology, N = 2; Tropical Medicine, N = 1; Urology & Nephrology, N = 1. Of the 33 included general medicine journals, 28 were published in the journal "Medicine". ^gOf the 10 journals classified as multidisciplinary, 9 were published in the iournal "PLOS ONE".

Table 2. Summary of reporting patterns of disclosed funding source and author-industry FCOI from included RCTs

	Number of Meta-analyses Reporting Funding Sources of Included RCTs			Number of Meta-analyses Reporting Author Financial Ties of Included RCTs			Number of Meta-analyses Reporting Author-Industry Employment of Included RCTs		
•	Full	Partial	Full or Partial	Full	Partial	Full or Partial	Full	Partial	Full or Partial
Recently Published Meta-analyses:		U /~							
Cochrane (N = 107), N (%)	70 (65%)	20 (19%)	90 (84%)	24 (22%)	23 (21%)	47 (44%)	1 (1%)	17 (16%)	18 (17%)
Non-Cochrane (N = 143), N (%)	14 (10%)	7 (5%)	21 (15%)	1 (1%)	1 (1%)	2 (1%)	0	1 (1%)	1 (1%)
Difference in Reporting Between	56%	14%	69%	22%	21%	43%	1%	15%	16%
Cochrane and Non-Cochrane Meta-	(44% to 65%)	(6% to 23%)	(59% to 77%)	(14% to 31%)	(13% to 30%)	(33% to 52 %)	(-2% to 5%)	(9% to 23%)	(9% to 24%)
analyses, % (95% CI)									
2010:					(4),				
All Cochrane Systematic Reviews	30 (20%)	16 (11%)	46 (30%)	2 (1%)	9 (6%)	11 (7%)	0	10 (7%)	10 (7%)
$(N = 151), N (\%)^a$									
Difference in Reporting Between	46%	8%	54%	21%	16%	37%	1%	9%	10%
Recently Published Cochrane Meta-	(34% to 56%)	(-1% to 18%)	(42% to 63%)	(13% to 30%)	(7% to 25%)	(26% to 47%)	(-2% to 5%)	(2% to 18%)	(2% to 19%)
analyses versus Cochrane									
Systematic Reviews Published in									
2010, % (95% CI)									
2010:									
Cochrane Meta-analyses (N =119),	21 (19%)	15 (13%)	36 (30%)	0 (0%)	7 (6%)	7 (6%)	0 (0%)	7 (6%)	7 (6%)

Difference in Reporting Between	48%	6%	54%	22%	16%	38%	1%	10%	11%
Recently Published Cochrane Meta-	(36% to 58%)	(-3% to 16%)	(42% to 63%)	(15% to 31%)	(7% to 25%)	(27% to 48%)	(-2% to 5%0	(2% to 19%)	(3% to 20%)

analyses versus Cochrane Meta-

analyses Published in 2010, % (95%

CI)

For peer teview only ^aResults from Roseman et al., 2012.

Table 3. Factors associated with reporting funding sources of included RCTs

	Proportion that	Unadjusted odds	Adjusted odds ratio
	reported some or	ratio (95% CI)	(95% CI)
	all declared		
	funding sources		
	from included		
	RCTs		
FCOI of meta-analysis			
(including meta-analysis			
funding)			
reference = no FCOI	67/151 (44%)		
Any disclosed FCOI	35/51 (69%)	2.74 (1.42 to 5.49)	1.29 (0.53 to 3.19)
Not reported	9/48 (19%)	0.29 (0.12 to 0.62)	1.18 (0.40 to 3.44)
Impact Factor and Januara			
Impact Factor and Journal			
Туре	00/107 (040/)		
reference = Cochrane	90/107 (84%)	0.01 (.0.01) 0.00	0.01 (.0.01 . 0.04)
Specialty impact factor $\leq 3^{b}$	4/65 (6%)	0.01 (< 0.01 to 0.03)	0.01 (< 0.01 to 0.04)
General (N=31) or	4/41 (10%)	0.02 (< 0.01 to 0.06)	0.02 (< 0.01to 0.06)
Multidisciplinary (N=10)			
impact factor ≤ 3			
Specialty impact factor 3.1 -	10/27 (37%)	0.11 (0.04 to 0.28)	0.11 (0.04 to 0.28)
6.7°			
Specialty (N=8) or General	3/10 (30%)	0.08 (0.02 to 0.32)	0.08 (0.02 to 0.32)
(N=2) impact factor > 6.8			

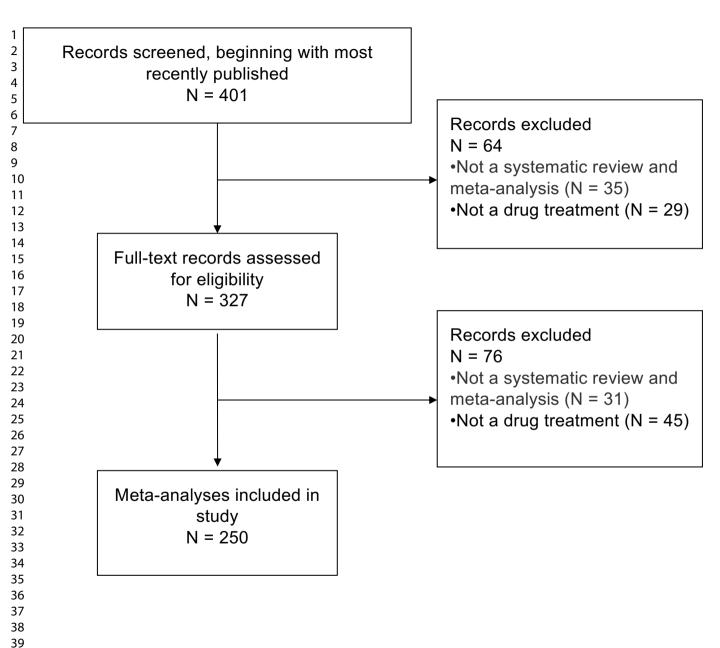
^aNot reported included meta-analyses for which the presence of FCOI could not be determined because either meta-analysis funding, meta-analysis author FCOI, or both were not reported.

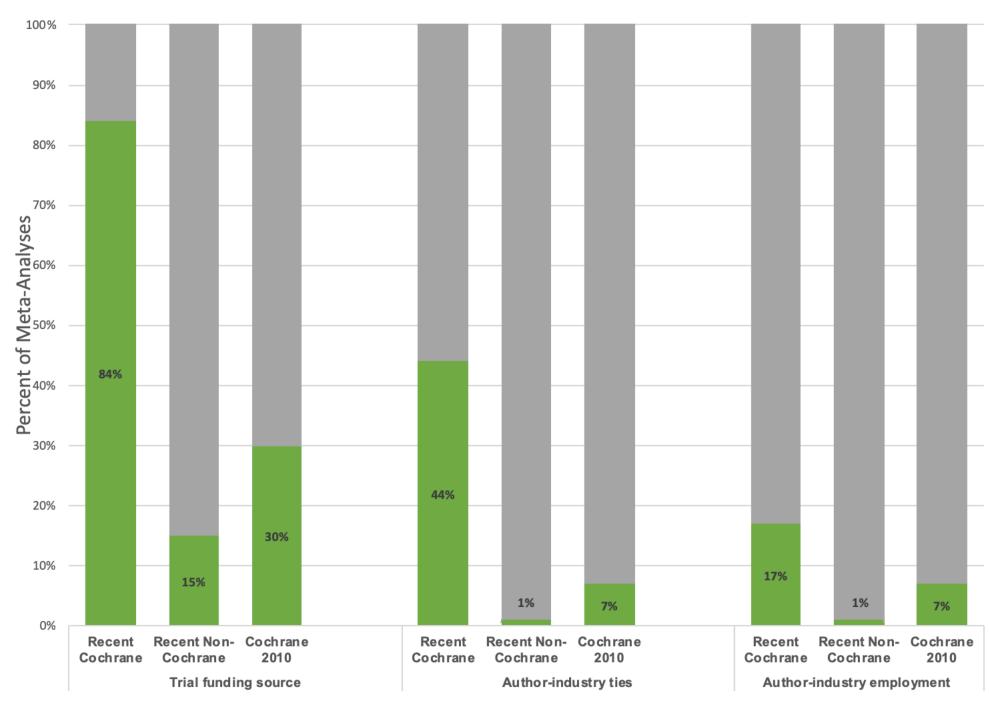
^bTwo meta-analyses were from journals that did not have an impact factor, and these were coded as having an impact factor of 0.5 for our analyses.

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^c There were no multidisciplinary or general medicine journals with an impact factor of 3.1-6.7. FCOI = financial conflicts of interest







Supplementary Material

eMethods1. Search strategy

eMethods2. Data extraction form

eMethods3. Power analysis

eTable1. Detailed characteristics of included meta-analyses

eTable2. Detailed reporting of study funding source, author-industry financial ties, and author-industry employment from included RCTs

eMethods1. Search strategy

To obtain our sample, we searched the MEDLINE database via PubMed on October 19, 2018 using the following search strategy:

(((("Randomized Controlled Trials as Topic"[Mesh] or randomized control trial [tiab] or randomized controlled trial [tiab] OR randomized controlled trials [tiab] or randomized controlled trials [tiab] OR Randomized controlled trials [tiab] or randomised controlled trials [tiab] or randomised controlled trial [tiab] or randomised controlled trials [tiab] OR publication Type] or meta analysis [tiab]) AND (systematic review [tiab]) OR search [tiab] or searched [tiab] or MEDLINE [tiab] OR PubMed [tiab]))))

eMethods 2. Data extraction form

First Author, last name: Last name of first author of meta-analysis

Year of publication (or in press): Year of publication of meta-analysis

Journal: Name of journal in which meta-analysis was published

Journal Impact factor: Where meta-analysis published (low-high split or continuous based on data distribution)

Specialty area of Journal: Where meta-analysis published (per Thomson Reuters Journal Science Citation Index - Expanded categories)

Cochrane Review (Y/N): Is the meta-analysis a Cochrane Review? Select "Yes" even if the Cochrane Review is being published in another journal

Response from radio options:

- Y (Yes)
- N (No)

Journal policies for reporting COI of Included Trials: Presence or absence of instructions for reporting in the author instructions

- Y (Yes)
- N (No)

of RCTs synthesized in Meta-Analysis (total RCTs in included meta-analysis related to drugs)

Date Range of Included Trials: Date range in years of publication of studies (RCTs) included related to drugs in the meta-analysis (XXXX - XXXX). Use "In press" for end date if there are in press trials. Use "Unpublished" if a trial is in progress or has never been published.

Study population: Characteristics of study population of included trials (e.g. condition/disorder, adult/child)

Pharmacological agent: Pharmacologic treatment evaluated in the meta-analysis

- Name(s) of treatment if specific drug(s) investigated
- Class of treatment if broader category of drugs investigated, and number of drugs evaluated (e.g. SSRIs 5 included)

Control/comparison arms: Other treatment arms (control/comparison) included in the metaanalysis (e.g. placebo, name of comparison pharmacologic treatment, name of behavioral intervention)

Meta-Analysis Author Financial Ties / Funding Sources Reported: Does the meta-analysis report meta-analysis author financial ties (including former and current industry employment) and/or the funding source? Note that reporting "no funding" is different from not reporting. Response from radio options:

- Meta-analysis author financial ties
- Meta-analysis funding sources
- Both financial ties and funding sources
- Neither reported

Funding Source of Meta-Analysis (if applicable – only shown if above item indicates metaanalysis funding sources reported or both financial ties and meta-analysis funding sources reported) Source of financial support for the meta-analysis:

Response from radio options:

- Industry
- Combined industry and non-industry

- Non-industry (e.g. public granting agency, private not-for-profit granting agency)
- No study funding

Type of Industry Funding (if applicable – only shown if above item indicates industry funding or combined industry and non-industry present): If the meta-analysis is industry funded, what is the type of support provided by industry? Response from radio options:

- Financial support
- Resources (e.g. statistical analyses)
- Both financial support and resources

of Meta-Analysis Authors: Number of authors of the meta-analysis (count authors named in byline or in an author group)

of Meta-Analysis Authors with Financial Ties to Industry (if applicable – only shown if meta-analysis author financial ties or both financial ties and meta-analysis funding sources are reported): Number of authors of the meta-analysis who have financial ties such as industry board member, consultant, investments, patents, research funding, royalties (including former, and excluding current industry employment):

- Numbers 0 - > 10

Meta-Analysis Authors with Current Industry Employment (if applicable – only shown if meta-analysis author financial ties or both financial ties and meta-analysis funding sources are reported): Number of authors of the meta-analysis who are current industry employees.

Response from radio options:

Numbers $0 - \ge 10$

Quality or Risk Assessment of Included RCTs (Y/N): Was quality or risk assessment of included RCTs, by methods from Cochrane, Jadad, etc., reported in the meta-analysis.

Response from radio options:

- Y (Yes)
- N (No)

Quality or Risk Assessment Method of Included RCTs (if applicable – only shown if answer to previous item is yes- quality or risk assessment of included RCTs is reported): If the meta-analysis authors report a quality or risk assessment method of included RCTs, what is the reported method of quality assessment?

Meta-analysis Authors Report Funding Sources of Included Studies: Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study funding sources not reported

Placement in publication of Included RCTs' Funding Source (if applicable – only shown if the response to Meta-analysis Authors Report Funding Sources of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table
 - Online appendix
 - Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Funding Source (if applicable – only shown if placement in publication of included RCT's Funding Source is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Meta-analysis Authors Report Author Financial Ties of Included Studies: Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study author financial ties not reported

Placement in publication of Included RCTs' Author Financial Ties (if applicable – only shown if the response Meta-analysis Authors Report Author Financial Ties of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table
 - Online appendix
 - Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Author Financial Ties (if applicable – only shown if placement in publication of included RCT's Author Financial ties is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Meta-analysis Authors Report Author Industry Employment of Included Studies: Do the authors of the meta-analysis report current author industry affiliation (employment) for the included studies? Response from radio options:

- Reported for each included study
- Reported in summary statement or for some, but not all, trials
- Included study author industry employment not reported

Placement in publication of Included RCTs' Author Industry Employment (if applicable – only shown if the response to Meta-analysis Authors Report Author Industry Affiliation (Employment) of Included Studies is (1) Reported for Each included Study or (2) Reported in summary statement or for some, but not all, trials):

- Abstract
- Main text, other than risk of bias or quality section
- In risk of bias or quality assessment
- Other in main document (e.g., a characteristics of studies table, other table, in a footnote of a table)
 - Online appendix
 - Lay Summary

Placement in risk of bias or quality assessment of Included RCTs' Author Industry

Employment (only shown if placement in publication of included RCT's Author Industry

Affiliation is risk of bias or quality assessment):

- Text
- Figure/table
- Both text and figure/table

Do the authors report a PROSPERO registration number in the text?

- Yes
- No

What is the registration number (e.g., CRD42017062454)? (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is yes)

What stages were completed (ignore started) at the time of registration. Make sure to select the earliest registration version at the bottom of the page. Please check all stages that were completed. (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is yes)

- Preliminary searches

- Piloting of the study selection process
- Formal screening of search results against eligibility criteria
- Data extraction
- Risk of bias (quality) assessment
- Data analysis
- None completed

Was a registration found in PROSPERO? (if applicable – only shown if the response to Do the authors report a PROSPERO registration number in the text? Is no)

What is the registration number (e.g., CRD42017062454)? (if applicable – only shown if the response to Was a registration found in PROSPERO? Is yes)

What stages were completed (ignore started) at the time of registration. Make sure to select the earliest registration version at the bottom of the page. Please check all stages that were completed. (if applicable – only shown if the response to Was a registration found in PROSPERO? Is yes)

- Preliminary searches
- Piloting of the study selection process
- Formal screening of search results against eligibility criteria
- Data extraction
- Risk of bias (quality) assessment
- Data analysis
- None completed

eMethods3. Power analysis

Allocation ratio: 50% and 50% (1:1)

Proportion reporting		Sample size	Sample size	Sample size	Actual power	Actual alpha
COI		group 1	group 2	total	Actual power	Actual alpha
Low impact	High					
	impact					
10%	30%	69	69	138	.807	.033
20%	40%	90	90	180	.802	.037
30%	50%	102	102	204	.806	.042
40%	60%	102	102	204	.801	.038
50%	70%	102	102	204	.806	.036
60%	80%	90	90	180	.802	.032
70%	90%	69	69	138	.807	.025

Allocation ratio: 30% and 70% (3:7)

20% difference	•					
Proportion reporting COI		Sample size group 1	Sample size group 2	Sample size total	Actual power	Actual alpha
Low impact	High	4				
-	impact					
10%	30%	105	44	149	.815	.038
20%	40%	141	59	200	.807	.040
30%	50%	165	69	234	.801	.045
40%	60%	168	71	239	.805	.043
50%	70%	166	70	236	.864	.042
60%	80%	148	62	210	.802	.040
70%	90%	133	47	160	.802	.035

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eTable1. Detailed characteristics of included meta-analyses

Systematic

6.8

Reviews

Medicine, General

& Internal

Nonindustry

0/7

First Author	Year	Journal	2017 Impact Factor	Specialty Area	Meta- analysis Funding source(s)	Number of Meta- analysis Authors with Industry Financial Ties / Number of Meta- analysis Authors ^a	Number of drug RCTs Included	Publicatio n Dates of included drug RCTs	Population	Drug Intervention(s)	Comparison Arm(s)
Cochrane Review	ws $(n = 10)$	07)									
Abdel-Rahman ¹	2018	Cochrane Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/3	7	2004-2016	Adults (19 years and over) with advanced biliary tract carcinomas Participants with or	Gemcitabine, vandetanib, S-1 (tegafur + gimeracil + oteracil), gemcitabine + oxaliplatin, 5-fluorouracil + folinic acid, capecitabine	Best supportive care, 5-fluorouracil + cisplatin + radiotherapy
Adams ²	2018	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/4	36	1994-2012	without evidence of cardiovascular disease People with co-	Fluvastatin	Placebo
Agabio ³	2018	Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	27	1969-2015	occurring depression and alcohol dependence	Antidepressants - 16 types, diazepam, memantine	Placebo, psychotherapy
Al-Shahi Salman ⁴	2018	Cochrane Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Not reported	0/5	11 ^b	1999-2015	Adults (16 years and over) with acute spontaneous intracerebral haemorrhage Patients with	Blood clotting factors, antifibrinolytic drugs	Placebo, open control, fresh frozen plasma
Alabed ⁵	2018	Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/4	11	1976-2008	antipsychotic- induced tardive dyskinesia (TD)	Gamma-aminobutyric acid agonists - 6 types	Placebo
Allegretti ⁶	2017	Database of Systematic Reviews Cochrane Database of	6.8	Medicine, General & Internal	No funding	3/8	8	1998-2016	Patients with hepatorenal syndrome Patients undergoing haemodialysis using	Terlipressin, terlipressin + albumin Antibiotic antimicrobial lock solutions - 11 types,	Placebo, no intervention, albumin
		Damouse of		M 11 1 G 1					incomo didi yoto donig	is a solution of the pes,	

1998-2017

a central venous

catheter

non-antibiotic

antimicrobial lock

Heparin, saline

1												
2												
3											solutions - 10 types,	
4											antibiotic + non-antibiotic	
5											antimicrobial lock	
6											solutions - 3 types Valproate, carbamazepine,	
7											lithium, pregabalin,	
8											captodiame, paroxetine,	
											tricyclic antidepressants - 4	
9											types, alpidem, buspirone,	
10			Cochrane							A 1-14 (10 1	flumazenil, propranolol,	
11			Database of							Adult (18 years and over) chronic	progesterone, magnesium aspartate, bromazepam,	
12			Systematic		Medicine, General	No				benzodiazepine	cyamemazine, zopiclone,	Placebo, no
13	Baandrup ⁸	2018	Reviews	6.8	& Internal	funding	1/6	33°	1981-2016	users	flunitrazepam	intervention
14	•									Individuals with	•	
15			Cochrane							antiphospholipid		n
16			Database of		Madiaina Carrat	Non				antibodies and no	Aspirin + anticoagulants,	Placebo,
17	Bala ⁹	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	3/6	9	1997-2016	history of thrombosis	aspirin, aspirin + low molecular weight heparin	immunoglobulin, unfractionated heparin
	Dala	2010	Reviews	0.0	& Internal	industry	3/0	,	1777 2010	Heterosexual adult	molecular weight heparin	unitactionated heparin
18										couples (18 years or		
19			Cochrane							more) with a partner		
20			Database of		Maria Cara	3 T				having a clinical		
21	Barbato ¹⁰	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	/d	2000-2012	diagnosis of depressive disorder	Antidepressants - 9 types	Couples therapy
22	Darvato	2016	Cochrane	0.0	& Internal	mausiry	0/3		2000-2012	Psychiatric patients	Antidepressants - 9 types	Couples illerapy
23			Database of							with antipsychotic-		
24			Systematic		Medicine, General	Non-				induced tardive		
25	Bergman ¹¹	2018	Reviews	6.8	& Internal	industry	0/3	4	1981-1997	dyskinesia	Benzodiazepines - 3 types	Placebo, usual care
26											Tricyclic antidepressants	
27											(TCAs), selective serotonin reuptake inhibitors	
											(SSRIs), monoamine	
28											oxidase inhibitors	
29											(MAOIs), serotonin-	
30			G 1								norepinephrine reuptake	
31			Cochrane Database of							Adults (18 years and	inhibitors (SNRIs), norepinephrine reuptake	
32			Systematic		Medicine, General	Non-				over) with panic	inhibitors (NRIs),	
33	Bighelli ¹²	2018	Reviews	6.8	& Internal	industry	2/9	41	1989-2011	disorder	nefazodone, ritanserin	Placebo
34	· ·		Cochrane			Ĭ					,	
35			Database of									
	D: 1 13	2010	Systematic	6.0	Medicine, General	Non-	0./2	20	1006 2017	People with	D '1	DI I
36	Birks ¹³	2018	Reviews Cochrane	6.8	& Internal	industry	0/2	30	1996-2017	Alzheimer's disease	Donepezil	Placebo
37			Database of							Adults (18 years and		No treatment, usual
38			Systematic		Medicine, General	Non-				over) with quiescent		care (azathioprine +
39	Boyapati14	2018	Reviews	6.8	& Internal	industry	3/8	6	1978-2017	Crohn's disease	Azathioprine, infliximab	infliximab)
40												
41												

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ı												
2												
3			Cochrane									
1			Database of							Women of		
-			Systematic		Medicine, General	Non-				reproductive age	Combined oral contractive	Placebo, leuprolide,
)	Brown ¹⁵	2018	Reviews	6.8	& Internal	industry	0/4	5	1993-2017	with endometriosis	pill - 3 types	goserelin
5			Cochrane								F 6 17F-1	8
7			Database of									
2			Systematic		Medicine, General	Non-				Adults with atrial	Factor Xa inhibitors - 7	
ر م	Bruins Slot16	2018	Reviews	6.8	& Internal	industry	1/2 ^e	13	2008-2014	fibrillation	types	Warfarin
, .										People with		
10										schizophrenia and		
11										schizophrenia-like		
12										disorders such as		
13			G 1							schizophreniform		
			Cochrane Database of							disorder, delusional		
14			Systematic		Medicine, General	No				disorder, or schizoaffective	Zuclopenthixol	Placebo, other drugs -
15	Bryan ¹⁷	2017	Reviews	6.8	& Internal	funding	0/3	20	1968-2007	disorder	dihydrochloride	11 types
16	Diyan	2017	Reviews	0.0	& internal	runding	0/3	20	1700 2007	disorder	Antifibrinolytic agents - 2	11 types
17			Cochrane							Women of	types, non-steroidal anti-	Placebo, herbal
18			Database of							reproductive age	inflammatory drugs	medicines,
			Systematic		Medicine, General	No				with heavy	(NSAIDs), progestogens,	levonorgestrel
19	Bryant-Smith ¹⁸	2018	Reviews	6.8	& Internal	funding	1/4	13	1970-2016	menstrual bleeding	ethamsylate	intrauterine system
20										Adults (17 years and		
21			Cochrane							over) in non-ICU		
22			Database of							acute care settings		
23	D 10	2010	Systematic		Medicine, General	Non-	0.10		1006 2016	diagnosed with		Nonantipsychotics,
23	Burry ¹⁹	2018	Reviews	6.8	& Internal	industry	0/9	9	1996-2016	delirium	Antipsychotics - 5 types	placebo
24			Cochrane Database of							Adult patients (18		
25			Systematic		Medicine, General	Non-				years and older) with ureteral stone		
26	Campschroer ²⁰	2018	Reviews	6.8	& Internal	industry	0/4	67	2002-2017	disease	Alpha-blockers - 6 types	Placebo, usual care
27	campsemeer	2010	1001000	0.0	ce internar	maasay	0/ 1	07	2002 2017	Adults with cancer	rupiu eleekeis o types	racess, asaar care
			Cochrane							and adults receiving		
28			Database of							palliative care with		
29			Systematic		Medicine, General	Non-				opioid-induced	Mu-opioid antagonists - 3	
30	Candy ²¹	2018	Reviews	6.8	& Internal	industry	0/5	8	1996-2017	bowel dysfunction	types	Placebo
31			Cochrane							Patients with		
32			Database of							paracetamol		
33	CI : 22	2010	Systematic		Medicine, General	Non-	0/4	of	1076 2014	(acetaminophen)	Methionine, cysteamine,	DI 1
	Chiew ²²	2018	Reviews	6.8	& Internal	industry	0/4	$9^{\rm f}$	1976-2014	overdose	dimercaprol, acetylcysteine	Placebo, no treatment
34			Cochrane							Children aged up to five years with a		
35			Database of							clinical diagnosis of		
36			Systematic		Medicine, General	Not				community-acquired		Placebo, antibiotics
37	Das^{23}	2018	Reviews	6.8	& Internal	reported	0/3	7	2010-2017	pneumonia (CAP)	Vitamin D	alone
		2010	Cochrane	0.0		1000000	0.0	,	2010 2017	Healthy individuals		
38			Database of							(16 to 65 years) and		
39			Systematic		Medicine, General	Non-				pregnant women and	Inactivated parenteral	
40	Demicheli ²⁴	2018	Reviews	6.8	& Internal	industry	1/5	71 ^g	1969-2014	their newborns	influenza vaccine	Placebo, no treatment
41												
-												

1 2												
3 4			Cochrane Database of Systematic		Medicine, General	Non-				Elderly participants		
5 6	Demicheli ²⁵	2018	Reviews	6.8	& Internal	industry	1/7	8	1969-2004	(65 years and over)	Influenza vaccines Fondaparinux,	Placebo
7											rivaroxaban, low molecular	
8											weight heparin, non- steroidal anti-inflammatory	
9 10										Patients with	drugs, vasotonin, sulodexide,	
11										superficial	heparansulphate, vitamin K	
12			Cochrane Database of							thrombophlebitis of the leg or diagnosis	antagonists, enzyme therapy, unfractionated	
13	D: N:-:-26	2019	Systematic	(9	Medicine, General	Non-	2/2	22	1070 2017	of a thrombus in a	heparin, heparin calcium,	Placebo, elastic
14 15	Di Nisio ²⁶	2018	Reviews Cochrane	6.8	& Internal	industry	2/3	32	1970-2017	superficial vein Patients with	defibrotide	stockings
16			Database of Systematic		Medicine, General	Non-				antipsychotic- induced tardive	Noradrenergic drugs - 2 types, dopaminergic drugs	
17	El-Sayeh ²⁷	2018	Reviews	6.8	& Internal	industry	0/4	10	1973-2010	dyskinesia	- 7 types	Placebo
18										People of all ages on continuous vitamin		
19 20										K antagonist (VKA) or direct oral		
21			Cochrane							anticoagulant		Usual care (surgical
22			Database of Systematic		Medicine, General	Non-				(DOAC) treatment undergoing an oral	Antifibrinolytic agents - 2	treatment), usual care (surgical treatment) +
23 24	Engelen ²⁸	2018	Reviews	6.8	& Internal	industry	0/5	3	1989-2015	or dental procedure	types Selective serotonin	placebo
25			Cochrane							A d14- (10 1	reuptake inhibitors (SSRIs)	
26			Database of Systematic		Medicine, General	Non-				Adults (18 years and over) living with	- 4 types, tricyclic antidepressants (TCAs) - 2	
27	Eshun-Wilson ²⁹	2018	Reviews Cochrane	6.8	& Internal	industry	1/6	10	1994-2014	HIV and depression People with	types	Placebo, mirtazapine
28 29			Database of		Maria Gara	3 7				antipsychotic-		
30	Essali ³⁰	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/4	3	1992-1997	induced tardive dyskinesia	Calcium channel blockers - 3 types	Placebo
31											Selective serotonin reuptake inhibitors - 4	
32 33			Cochrane								types; tricyclic	
34			Database of Systematic		Medicine, General	Non-				Adults (18 years and	antidepressants - 3 types; other antidepressants - 6	Placebo, insomnia
35	Everitt ³¹	2018	Reviews Cochrane	6.8	& Internal	industry	3/8	23	1978-2013	over) with insomnia	types	medication - 2 types
36			Database of		W 11 2 2	27				Regular tobacco	AT	
37 38	Fanshawe ³²	2017	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/6	4	2004-2014	smokers (20 years and under)	Nicotine replacement therapy, bupropion	Placebo
39			Cochrane Database of			-				Subfertile women of reproductive age	-	Placebo, selective estrogen receptor
40	72 22	2010	Systematic		Medicine, General	Non-	0.15	40	2004 201-	with polycystic	•	modulators,
41	Franik ³³	2018	Reviews	6.8	& Internal	industry	0/5	42	2004-2017	ovary syndrome	Letrozole	clomiphene citrate
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2												
3												followed by
4												intrauterine
												insemination,
,												laparoscopic ovarian
)												drilling, follicle-
7												stimulating hormone,
3			G 1									anastrozole
9			Cochrane Database of							Dun om omt vyrom om		Sulfadoxine-
10			Systematic		Medicine, General	Non-				Pregnant women living in malaria-		pyrimethamine, cotrimoxazole,
11	González ³⁴	2018	Reviews	6.8	& Internal	industry	0/6	6	1994-2014	endemic areas	Mefloquine	placebo
11	Commune	2010	110/10/15	0.0		111445413	0.0	· ·	1,,, 2011	Adult women with	menoquine	Piace
12			Cochrane							moderate or severe		
13			Database of							cervical	Non-steroidal anti-	
14	25		Systematic		Medicine, General	Non-				intraepithelial	inflammatory agents	
15	Grabosch ³⁵	2018	Reviews	6.8	& Internal	industry	0/3	3	2006-2017	neoplasia (CIN)	(NSAIDs) - 2 types	Placebo
16			Cochrane							A 1 % 1 1 1 1 1		
17			Database of Systematic		Medicine, General	Non-				Adults and children being treated for		Usual treatment,
	Graves ³⁶	2018	Reviews	6.8	& Internal	industry	0/4	$24^{\rm h}$	1981-2017	falciparum malaria	Primaquine	bulaquine
18	314.45	2010	Cochrane	0.0			3		1,01 201,	Pregnant women		o araquino
19			Database of							who were about to		
20			Systematic		Medicine, General	Non-				receive a cesarean	Antiseptic solutions - 3	
21	Haas ³⁷	2018	Reviews	6.8	& Internal	industry	0/4	-11	1997-2017	delivery	types	Placebo, no treatment
22			Cochrane							D 1 14	T 1 1 11.	
23			Database of Systematic		Medicine, General	Non-				People with cancer and venous	Low molecular weight heparin, unfractioned	
2.0	Hakoum ³⁸	2018	Reviews	6.8	& Internal	industry	0/10	15	1991-2009	thromboembolism	heparin	Fondaparinux
24	TIMIO WIII	2010	110/10/15	0.0		111445413	0.10	10		unomootmoomm		Placebo, no treatment,
25										Immunocompetent		alternative therapies -
26			Cochrane							patients with		7 types, other drug
27	**		Database of							localised Old World		comparators - 6 types,
28	Heras- Mosteiro ³⁹	2017	Systematic Reviews	6.8	Medicine, General	Non-	0/10	89	1990-2015	cutaneous	Antimonials – 2 types,	other non-drug
29	Mosterro	2017	Cochrane	0.8	& Internal	industry	0/10	89	1990-2013	leishmaniasis People with	non-antimonials – 22 types Chemotherapy, targeted	comparators - 4 types
30			Database of							esophageal or	therapy, EGFR-targeting	
21			Systematic		Medicine, General	Non-				gastroesophageal	agents, cetuximab,	Best supportive care,
וע רכ	Janmaat ⁴⁰	2017	Reviews	6.8	& Internal	industry	0/8	41	1980-2015	junction cancer	ramucirumab	unspecified control
32			Cochrane									
33			Database of		M 11 1 G 1					TT 1.1 1.11 /1.5		DI I
34	Jefferson ⁴¹	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non-	1/4	41	1071 2016	Healthy children (15	Inflyance vessine 2 types	Placebo, no
35	Jefferson	2018	Reviews	0.8	& Internal	industry	1/4	41	1971-2016	years and under) Middle-aged and	Influenza vaccine - 2 types	intervention
36										older men (40 or		
37										over) with lower		
38			Cochrane							urinary tract		
			Database of						2006-	symptoms as a result		
39	x 42	2017	Systematic		Medicine, General	Non-	0.16	10	Unpublishe	of benign prostatic	Silodosin, tamsulosin,	DI I
40	Jung ⁴²	2017	Reviews	6.8	& Internal	industry	0/6	19	d	hyperplasia	naftopidil, and alfuzosin	Placebo
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3			Cochrane									
4			Database of									
			Systematic		Medicine, General	Non-						
5	Kaempfen ⁴³	2018	Reviews	6.8	& Internal	industry	0/4	3	2013-2017	Preterm infants	Propranolol	Placebo, no treatment
6			Cochrane								F	
7			Database of									
8			Systematic		Medicine, General	Non-				Ambulatory people		
9	Kahale ⁴⁴	2017	Reviews	6.8	& Internal	industry	0/10	7	1979-2012	with cancer	Warfarin, apixaban	Placebo, no treatment
-			Cochrane									
10			Database of							People with cancer		
11	TZ 1 1 45	2010	Systematic	6.0	Medicine, General	Non-	0/10	12	1000 2012	and central venous	A .: 1	D1 1
12	Kahale ⁴⁵	2018	Reviews	6.8	& Internal	industry	0/10	13	1990-2013	catheters	Anticoagulant - 6 types	Placebo, no treatment
13			Cochrane								Vitamin K antagonist - 2 types, direct oral	
14			Database of							People with cancer	anticoagulant - 4 types;	
			Systematic		Medicine, General	Non-				and venous	low molecular weight	
15	Kahale ⁴⁶	2018	Reviews	6.8	& Internal	industry	0/11	16	2001-2018	thromboembolism	heparin - 4 types	Anticoagulants
16			Cochrane								1 31	· ·
17			Database of									
18			Systematic		Medicine, General	Non-				Children and adults		
19	Kapur ⁴⁷	2018	Reviews	6.8	& Internal	industry	3/5	7	1992-2012	with bronchiectasis	Corticosteroids - 3 types	Placebo, no treatment
			Cochrane									
20			Database of		Madiaina Cananal	NI				A dealer and alcitions	Manualida andibiada d	D11
21	Kelly ⁴⁸	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	2/8	15	1997-2014	Adults and children with bronchiectasis	Macrolide antibiotics - 4 types	Placebo, no intervention
22	Keny	2016	Cochrane	0.8	& Internal	mausuy	2/0	13	1997-2014	Adults and children	types	intervention
23			Database of							with acute		β2 -agonist, β2 -
24			Systematic		Medicine, General	Non-				exacerbation of		agonist + ipratropium,
25	Knightly ⁴⁹	2017	Reviews	6.8	& Internal	industry	0/7	25	1996-2017	asthma	Magnesium sulfate	placebo
			Cochrane									
26			Database of							People with chronic		
27	2.50		Systematic		Medicine, General	Non-				obstructive	Inactivated influenza	
28	Kopsaftis ⁵⁰	2018	Reviews	6.8	& Internal	industry	0/3	11	1961-2004	pulmonary disease	vaccine	Placebo
29											Aminosalicylates - 4 types, corticosteroids, superoxide	
30											dismutase, amifostine, bile	
											acid sequestrants,	
31											magnesium oxide,	
32											misoprostol, octreotide,	
33			Cochrane							Adults (18 years and	selenium, sodium butyrate,	
34			Database of							over) undergoing	sucralfate, ibuprofen,	
35	61		Systematic		Medicine, General	Non-				radiotherapy for	famotidine, smectite,	
36	Lawrie ⁵¹	2018	Reviews	6.8	& Internal	industry	0/9	38	1978-2016	pelvic cancers	simethicone, tropisetron	Placebo, no treatment
			Cochrane									I I 1
37			Database of		Medicine, General	Non-				Women with signs		Usual care, emergency delivery, cessation of
38	Leathersich ⁵²	2018	Systematic Reviews	6.8	& Internal	industry	0/4	8	1987-2007	of fetal distress	Tocolytic agents – 7 types	oxytocic infusion
39	Leatherstell	2010	Cochrane	0.0	Medicine, General	Non-	U/ T	O	1707-2007	Women with uterine	Gonadotropin-hormone	oxytocic infusion
40	Lethaby ⁵³	2017	Database of	6.8	& Internal	industry	1/3	38	1989-2012	fibroids	releasing analogue,	Placebo, no treatment
41	,					,					5 6 /	,
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3			Systematic								selective progesterone-	
4			Reviews								receptor modulators	
5			Cochrane									
5			Database of		M 11: C 1							0.9% sodium chloride
J 7	I (D.::-54	2010	Systematic	(0	Medicine, General	Non-	0/6	11	2002 2015	Adults with central	Hamada	(normal saline
<i>'</i>	López-Briz ⁵⁴	2018	Reviews	6.8	& Internal	industry	0/6	11	2002-2015	venous catheters Children (18 years	Heparin	solution)
3			Cochrane							and under) with		
9			Database of							prolonged wet		
10			Systematic		Medicine, General	Non-				cough (longer than		
11	Marchant ⁵⁵	2018	Reviews	6.8	& Internal	industry	2/4	3	1993-2012	10 days)	Antibiotics - 2 types	Placebo, no treatment
12			Cochrane									
13			Database of Systematic		Medicine, General	Non-				Patients with		
14	Matar ⁵⁶	2018	Reviews	6.8	& Internal	industry	0/3	7	1963-1999	schizophrenia	Fluphenazine	Placebo
	Within	2010	Cochrane	0.0	Co Internal	maasay	0/5	,	1905 1999	semzopmema	Тириспигис	T MCC86
15			Database of							People with solid or	Low-molecular weight	
16			Systematic		Medicine, General	Non-				hematologic cancer	heparin (LMWH) - 10	Unfractionated heparin
17	Matar ⁵⁷	2018	Reviews	6.8	& Internal	industry	0/11	20	1986-2018	undergoing surgery	types	(UFH), fondaparinux
18			Cochrane Database of							Postoperative		
19			Systematic		Medicine, General	Non-				paediatric patients		
20	McNicol ⁵⁸	2018	Reviews	6.8	& Internal	industry	1/3	13	1992-2016	(17 years and under)	Ketorolac	Placebo, opioid
21										Children (16 years		
22										and under)		
23										presenting to a hospital or		
23 24			Cochrane							emergency		Diazepam +
			Database of							department in an		phenytoin, diazepam,
25			Systematic		Medicine, General	Non-				acute tonic-clonic		paraldehyde,
26	McTague ⁵⁹	2018	Reviews	6.8	& Internal	industry	0/3	18	1995-2014	convulsion	Lorazepam	midazolam
27			Cochrane							5 (1)		
28			Database of Systematic		Medicine, General	Non-				Patients with multiple myeloma		Placebo, no treatment -
29	Mhaskar ⁶⁰	2017	Reviews	6.8	& Internal	industry	0/4	24	1982-2015	(MM)	Bisphosphonates - 5 types	Network meta-analysis
30			Cochrane							(2.22.2)		,
31			Database of									No treatment, placebo,
32			Systematic		Medicine, General	Non-					Typhoid fever vaccines - 4	typhoid-inactive
33	Milligan ⁶¹	2018	Reviews Cochrane	6.8	& Internal	industry	0/4	18	1980-2016	Adults and children	types	agents
			Database of							People undergoing	Tramadol, non-steroidal anti-inflammatory drugs,	
34			Systematic		Medicine, General	Non-				orthodontic	paracetamol, local	
35	Monk ⁶²	2017	Reviews	6.8	& Internal	industry	0/4	32	1993-2016	treatment	anaesthetic	Placebo, no treatment
36			Cochrane							Patients with		
37			Database of		M 11 1 C 1	NT.				hepatitis C virus-	Rituximab, interferon,	Usual care,
38	Montero ⁶³	2018	Systematic Reviews	6.8	Medicine, General & Internal	No funding ⁱ	1/7	10	1991-2012	associated mixed cryoglobulinaemia	immunosuppressive drug therapy	immunoadsorption apheresis
39	WIGHTON	2010	Reviews	0.0	& IIICIIIai	runumg	1//	10	1991-2012	Adults (18 years and	шетару	apriciosis
40			Cochrane		Medicine, General	Non-				over) with chronic	Cannabis-based medicines	Placebo,
41	Mücke ⁶⁴	2018	Database of	6.8	& Internal	industry	2/5	16	2004-2017	neuropathic pain	- 5 types	dihydrocodeine
 42												

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2												
3			Systematic									
4			Reviews									
5			Cochrane									
			Database of									
6			Systematic		Medicine, General	Non-				Adults and children		
7	Narula ⁶⁵	2018	Reviews	6.8	& Internal	industry	3/7	10^{j}	1990-2014	with Crohn's disease	Corticosteroids - 5 types	Enteral nutrition
8										Adults or children		
9			Cochrane							with partial onset		
			Database of							seizures or		
10	NT :466	2017	Systematic		Medicine, General	Non-	1 /5	7.6	1001 2015	generalised onset	Antiepileptic drugs - 10	N. 1 . 1 . 1 . 1
11	Nevitt ⁶⁶	2017	Reviews Cochrane	6.8	& Internal	industry	1/5	76	1981-2015	tonic-clonic seizures Adults and children	types	Network meta-analysis
12			Database of							with focal onset or		
13			Systematic		Medicine, General	Non-				generalised onset		
14	Nevitt ⁶⁷	2018	Reviews	6.8	& Internal	industry	1/4	14	1995-2015	seizures	Lamotrigine	Carbamazepine
	1101111	2010	Cochrane	0.0	or miterature	industry			1,,,0 2010	50124105	Zumemgme	
15			Database of							Adults (18 years and		
16			Systematic		Medicine, General	Non-				over) with venous		Dressings - 12 types;
17	Norman ⁶⁸	2018	Reviews	6.8	& Internal	industry	1/6	78	1985-2016	leg ulcers	Topical agents - 10 types	Network meta-analysis
18			Cochrane									
19			Database of							Children and adults		
			Systematic		Medicine, General	Non-				with acute asthma		
20	Normansell ⁶⁹	2018	Reviews	6.8	& Internal	industry	0/6	6	1974-2016	exacerbation	Antibiotics - 4 types	Placebo
21											Propranolol, timolol maleate, bleomycin,	
22										Children (17 years	atenolol, prednisolone,	
23			Cochrane							and under) with	captopril, ibuprofen +	
24			Database of							single or multiple	paracetamol, methylene	
			Systematic		Medicine, General	Non-				haemangiomas	blue, triamcinolone,	Placebo, radiation,
25	Novoa ⁷⁰	2018	Reviews	6.8	& Internal	industry	1/7	24	1977-2016	located on the skin	methylprednisolone	lasers
26										Preterm (< 37		
27										weeks' gestation)		
28			Cochrane							and low birth weight		
29			Database of		M T : C 1	N.T.				(< 2500 grams)	E 4 1 .	
30	Ohlsson ⁷¹	2017	Systematic Reviews	6.0	Medicine, General	No funding	0/2	34	1001 2017	infants less than	Erythropoiesis-stimulating	Discolar no treatment
	Onisson	2017	Cochrane	6.8	& Internal	runding	0/2	34	1991-2017	eight days of age Adults exhibiting	agents (ESAs) - 2 types	Placebo, no treatment
31			Database of							aggression or		Placebo, other anti-
32			Systematic		Medicine, General	No				agitation (or both)		psychotic medications
33	Ostinelli ⁷²	2018	Reviews	6.8	& Internal	funding	1/5	3	2005-2016	due to psychosis	Aripiprazole	- 2 types
34			Cochrane			C				Patients with		Haloperidol,
35			Database of							psychosis-induced		olanzapine, quetiapine,
			Systematic		Medicine, General	Non-				aggression or		oxcarbazepine,
36	Ostinelli ⁷³	2018	Reviews	6.8	& Internal	industry	0/6	9	2010-2014	agitation	Risperidone	valproic acid
37			Cochrane						1005	A 1 1/ /10		
38			Database of		Madiaine Commit	Nor			1985-	Adults (18 years and		
39	Ostuzzi ⁷⁴	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	1/5	7	Unpublishe d	over) with cancer and depression	Antidepressants - 6 types	Placebo
40	OSIUZZI	2018	Keviews	0.8	& michal	maustry	1/3	/	u	and depression	Antiucpressants - 0 types	1 140000
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l												
2 3 4 5	Parker ⁷⁵	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non-	2/5	2	2011-2013	Children and adults with active Crohn's disease	Naltrexone	Placebo
5 7 3	Parker	2018	Reviews	0.8	& Internal	industry	2/3	2	2011-2013	disease	Nattexone	Tamoxifen, interferon- alpha, interleukin-2, interferon-alpha + interleukin-2, Bacille
9 10											Single agent	Calmette-Guérin
11										Patients with	chemotherapy, polychemotherapy,	(BCG), corynebacterium
12										unresectable lymph	temozolomide,	parvum, anti-PD1
13			Cochrane Database of							node metastasis and distant metastatic	dacarbazine, anti-CTLA4 monoclonal antibodies,	monoclonal antibodies, sorafenib,
14			Systematic		Medicine, General	Non-				cutaneous	other immunostimulating	elesclomo, anti-
15	Pasquali ⁷⁶	2018	Reviews	6.8	& Internal	industry	0/5	122	1972-2015	melanoma	agents, MEK inhibitors	angiogenic drugs
16			Cochrane Database of							Children (18 years	Omalizumab, leukotriene	
17			Systematic		Medicine, General	Non-				and under) with	receptor antagonists - 2	
18	Pike ⁷⁷	2018	Reviews	6.8	& Internal	industry	0/4	4	2007-2017	asthma	types, corticosteroids	Placebo
19			Cochrane Database of							Patients with		
20			Systematic		Medicine, General	Not	Not			Raynaud's		
21	Rirash ⁷⁸	2017	Reviews	6.8	& Internal	reported	reported/8	38	1982-2000	phenomenon	Calcium channel blockers	Placebo
22			Cochrane Database of							Adults (18 years and over) with		
23			Systematic		Medicine, General	Non-				unprovoked venous	Warfarin, aspirin,	
24	Robertson ⁷⁹	2017	Reviews	6.8	& Internal	industry	0/3	6	1995-2016	thromboembolism	rivaroxaban	Placebo
25			Cochrane							Sexually active adults (16 years and		
26			Database of							over) with genital		
27	- 80		Systematic		Medicine, General	Non-		_		ulcers compatible	Macrolide antibiotics - 3	Other antibiotics - 4
28	Romero ⁸⁰	2017	Reviews Cochrane	6.8	& Internal	industry	0/3	7	1983-1999	with chancroid	types	types
29			Database of							People with scabies		
30	D 181	2010	Systematic		Medicine, General	Non-	0./2	1.5	1006 2016	of all ages and either		n di
31	Rosumeck ⁸¹	2018	Reviews Cochrane	6.8	& Internal	industry	0/3	15	1996-2016	sex	Ivermectin	Permethrin
32			Database of							Adults (18 years and		Local anaesthetic
33	D.: 1 82	2010	Systematic		Medicine, General	Non-	0/4	-	1005 2012	over) undergoing	** 1 '1	mixture (standard
34	Rüschen ⁸²	2018	Reviews	6.8	& Internal	industry	0/4	7	1995-2012	intraocular surgery	Hyaluronidase Methylphenidate,	treatment)
35											modafinil, cholinesterase	
36			G 1								inhibitors (ChEIs), atypical	
37			Cochrane Database of								antipsychotics, antidepressants,	
38			Systematic		Medicine, General	Non-				People with	mibampator, valproate,	
39	Ruthirakuhan ⁸³	2018	Reviews	6.8	& Internal	industry	2/5	21	1998-2017	Alzheimer's Disease	semagacestat	Placebo
40												

1 2												
3 4 5 6	Sankar ⁸⁴	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	No funding	0/3	6	2011-2016	Preterm infants with retinopathy	Anti-vascular endothelial growth factor agents - 2 types Levosimendan,	Cryo/laser therapy
7 8 9 10 11	Schumann ⁸⁵	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	3/9	13	1990-2013	Adults (18 years and over) with cardiogenic shock or acute low cardiac output syndrome	dobutamine, enoximone, epinephrine, norepinephrine- dobutamine, amrinone, dopexamine, dopamine, nitric oxid Acetazolamide, ibuprofen,	Placebo, no treatment
12 13 14 15	Simancas- Racines ⁸⁶	2018	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/6	13 ^k	1992-1994	People suffering from high altitude illness	dexamethasone, oxygen, nitric oxide, gabapentin, magnesium sulphate, sumatriptan	Placebo, normal air, unspecified control, paracetamol
16 17 18	Smith ⁸⁷	2017	Cochrane Database of Systematic Reviews Cochrane	6.8	Medicine, General & Internal	Non- industry	0/2	4	1998-2015	Adults and children with cystic fibrosis	Salmeterol, tiotropium	No treatment, placebo Placebo, no treatment,
19 20 21	Smith ⁸⁸	2018	Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/3	70	1958-2017	Women in labour	Intramuscular or intravenous opioids - 16 types Alkaloids - 3 types,	intramuscular or intravenous opioids - 16 types
22 23 24 25 26 27			Cochrane Database of								antidepressants - 3 types, levetiracetam, cyproheptadin, promethazine, buspiron, cognitive enhancers - 2 types, VMAT2 inhibitors, ethyleicosapentaenoic acid	
28 29 30 31 32	Soares-Weiser ⁸⁹	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/51	24 ^m	1971-2014	Adults with chronic psychiatric disorders People with coronary disease, ischaemic cerebrovascular	(ethyl-EPA), hormones - 3 types, lithium, ceruletide	Placebo
33 34 35 36	Squizzato ⁹⁰	2017	Cochrane Database of Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	2/5	15	2001-2017	disease, peripheral arterial disease, or at high risk of atherothrombotic disease	Clopidrogel Articaine, articaine +	Placebo, usual care (aspirin)
37 38 39 40			Cochrane Database of Systematic		Medicine, General	Non-				Individuals undergoing dental procedures and volunteers who took part in simulated	epinephrine, lidocaine + epinephrine, bupivacaine + epinephrine, mepivacaine + epinephrine, mepivacaine +	
41 42	St George ⁹¹	2018	Reviews	6.8	& Internal	industry	1/7	123	1954-2017	scenario studies	levonordefrin,	Local anaesthetics

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3											mepivacaine, prilocaine,	
4											prilocaine + felypressin, prilocaine + epinephrine	
5			Cochrane								prinocame + epinepiirine	
6			Database of									
7	~ 02		Systematic		Medicine, General	Non-				Adults and children		
8	Stern ⁹²	2017	Reviews	6.8	& Internal	industry	0/6	17	1972-2015	with pneumonia Children and	Corticosteroids - 7 types	Placebo, usual care
9										adolescents (18		
10										years or under) with		
11										autism spectrum		
12			Cochrane							disorder (ASD) or		
13			Database of Systematic		Medicine, General	No				pervasive developmental		
14	Sturman ⁹³	2017	Reviews	6.8	& Internal	funding	0/3	4	1995-2013	disorder (PDD)	Methylphenidate	Placebo
15			Cochrane			•				Psychiatric patients	7.1	
16	_		Database of							with antipsychotic-		
17	Tammenmaa- Aho ⁹⁴	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/4	14	1976-2014	induced tardive dyskinesia	Cholinergic drugs - 6 types	Placebo
18	Allo	2010	Reviews	0.0	& Internal	muusiry	0/4	14	1770-2014	Adults (17 years and	Cholinergic drugs - 0 types	1 laccoo
										over) with severe		
19			Cochrane							mental illness and		
20			Database of Systematic		Medicine, General	Non-				co-occurring substance use		Other antinavalenties
21	Temmingh ⁹⁵	2018	Reviews	6.8	& Internal	industry	2/4	8	2006-2014	disorder	Risperidone	Other antipsychotics - 5 types
22	1 children	2010	Cochrane	0.0		maasay	<i></i> .		2000 2011	Adults with HIV-	Tasperraene	o types
23			Database of							associated		
24	T. C. 1.96	2010	Systematic		Medicine, General	Non-	1 /7	12	1007 2010	cryptococcal	Antifungal induction	NT 4 1 4 1 1
25	Tenforde ⁹⁶	2018	Reviews	6.8	& Internal	industry	1/7	13	1997-2018	meningitis	therapies - 6 types	Network meta-analysis H2 receptor
26												antagonists, proton
27												pump inhibitors,
28												prostaglandin
29												analogues, anticholinergics,
30											H2 receptor antagonists,	antacids, sucralfate,
31											proton pump inhibitors,	teprenone, naloxone,
32			Cochrane								prostaglandin analogues,	bioflavonoids,
33			Database of		Madiaina Cananal	NT				D 1 1 14. 14.	anticholinergies, antacids,	placebo, no treatment,
	Toews ⁹⁷	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	0/7	103 ⁿ	1977-2016	People admitted to intensive care units	sucralfate, teprenone, naloxone, bioflavonoids	other medication (not defined)
34	100,15	2010	Cochrane	0.0	ce internar	maasay	0, ,	103	1577 2010	Children (16 years	narozone, oronavonoras	defined)
35			Database of							and under) with		
36	77 1 98	2010	Systematic		Medicine, General	Non-	1/4	20	1002 1006	recurrent acute otitis	A .'11' .'. 2 .	
37	Venekamp ⁹⁸	2018	Reviews Cochrane	6.8	& Internal	industry	1/4	3°	1992-1996	media	Antibiotics - 3 types	Grommets
38			Database of							Individuals who had		
39			Systematic		Medicine, General	Non-				an ischemic or		
40	Vermeij ⁹⁹	2018	Reviews	6.8	& Internal	industry	0/6	8	1998-2016	hemorrhagic stroke	Preventive antibiotics	Placebo, standard care
41												
40												

1												
2												
3										Patients with critical		
4			Cochrane							limb ischaemia		
			Database of						1983-	unsuitable for rescue		
5			Systematic		Medicine, General	Non-			Unpublishe	or reconstructive		Placebo, other active
6	Vietto ¹⁰⁰	2018	Reviews	6.8	& Internal	industry	0/6	33	d	intervention	Prostanoids - 7 types	drugs - 4 types
7			Cochrane						_		, ., .,	8- · -7F
8			Database of									
			Systematic		Medicine, General	Non-				Patients with acute		
9	Wall ¹⁰¹	2018	Reviews	6.8	& Internal	industry	0/5	5	1995-2014	bacterial meningitis	Glycerol	Treatment as usual
10										Adult patients (over		
11										18 years)		
12										undergoing any		
13			Cochrane							elective or urgent		mi i i i i i i i i i i i i i i i i i i
			Database of		W 17 1 G A1					surgical procedure		Placebo, no treatment,
14	Weibel ¹⁰²	2018	Systematic Reviews	6.8	Medicine, General & Internal	Non- industry	3/10	68	1985-2017	under general anaesthesia	Lidocaine	thoracic epidural analgesia - 3 types
15	WEIDEI	2016	Cochrane	0.0	& Iliternal	ilidustry	3/10	08	1963-2017	anaesmesia	Thiazides, beta-blockers,	anaigesia - 3 types
16			Database of							Adult patients with	angiotensin-converting-	
17			Systematic		Medicine, General	Non-				primary	enzyme inhibitors, calcium	
	Wright ¹⁰³	2018	Reviews	6.8	& Internal	industry	0/3	24	1966-2008	hypertension	channel blockers	Placebo
18										Patients with focal		
19			Cochrane							epilepsy that failed		
20			Database of							to respond to one or		
21			Systematic		Medicine, General	Non-				more antiepileptic		
22	Xiao ¹⁰⁴	2018	Reviews	6.8	& Internal	industry	0/4	2	2001-2003	drugs	Losigamone	Placebo
			Cochrane									
23			Database of							Adult and elder		
24	Zhang ¹⁰⁵	2017	Systematic	<i>(</i> 0	Medicine, General	No	0/5	3	2009-2015	patients with solid	Thrombopoietin receptor	DI I
25	Znang	2017	Reviews Cochrane	6.8	& Internal	funding	0/3	3	2009-2013	tumours	agonists (TPO-RAs)	Placebo
26			Database of							Adults (18 years and		
27			Systematic		Medicine, General	Non-				over) with		
	Zhou ¹⁰⁶	2017	Reviews	6.8	& Internal	industry	0/6	5	2004-2014	neuropathic pain	Oxcarbazepine	Placebo
28	Ziiou	2017	1001000	0.0	ce internar	maasay	0/0	J	2001 2011	Adult patients with	олеш выгорие	1 140000
29			Cochrane							an ischaemic stroke,		
30			Database of							haemorrhagic stroke		
31			Systematic		Medicine, General	Not				or transient	Blood pressure-lowering	
32	Zonneveld ¹⁰⁷	2018	Reviews	6.8	& Internal	reported	0/7	11	1970-2017	ischaemic attack	drugs (BPLDs) - 5 types	Placebo, no treatment
33	General Medicin	e(n = 33)										
											Direct acting oral	
34										Adults with non-	anticoagulants - 5 types,	
35	100				Medicine, General	Non-				valvular atrial	vitamin K antagonists,	Network Meta-
36	López-López ¹⁰⁸	2017	BMJ	23.6	& Internal	industry	018	23	1989-2014	fibrillation	antiplatelet agents	analysis
37					M III G					Children and adults		No treatment, other
	109	2010	DMIO	2.4	Medicine, General	Non-	0./0	1.4	1077 2017	with uncomplicated	A (11: 4: 10.4	antibiotics - Network
38	Wang ¹⁰⁹	2018	BMJ Open	2.4	& Internal	industry	0/8	14	1977-2017 1979-	skin abscesses Adults (18 years and	Antibiotics - 10 types	meta-analysis
39					Medicine, General	Non-			Unpublishe	over) with major		Placebo - Network
40	Cipriani ¹¹⁰	2018	Lancet	53.3	& Internal	industry	4/18	522	d	depressive disorder	Antidepressants - 21 types	meta-analysis
41	- Primin	2010	Zanoci	55.5	Co mitorinar	maasa y	1/10	322	-	aspressive disorder	i i i i i i i i i i i i i i i i i i i	mem anaryon
42												
42												

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1												
2												
4	Chen ¹¹¹	2018	Medicine	2.0	Medicine, General & Internal	Non- industry	0/3	9	2009-2017	Patients with sepsis	Statins - 3 types	Placebo
5	Circii	2010	Wedleme	2.0	Co Internar	maasay	0/5		2007 2017	Patients with	Stating 5 types	1140000
6										hormone receptor-		
										positive or human		
7										epidermal growth factor receptor 2		
8					Medicine, General	No				negative advanced	Cyclin-dependent kinases	
9	Ding ¹¹²	2018	Medicine	2.0	& Internal	funding	0/6	6	2014-2017	breast cancer	4/6 inhibitors - 3 types	Placebo
10										Adults undergoing		
11	Guo ¹¹³	2018	Medicine	2.0	Medicine, General & Internal	Non- industry	0/8	5	2004-2017	total knee arthroplasty (TKA)	Tranexamic acid (TXA)	Placebo, no treatment
12	Guo	2016	Medicine	2.0	& Internal	muusu y	0/8	3	2004-2017	Patients with	Tranexamic acid (TAA)	riaceoo, no treatment
13					Medicine, General	Not				myocardial		
14	Han ¹¹⁴	2018	Medicine	2.0	& Internal	reported	0/7	18	2007-2016	infarction	Statins - 3 types	Placebo
15										Patients with acute		
16										coronary syndrome, percutaneous		
17										coronary		
18										intervention, or		
19										coronary stents		
20					Medicine, General	Not				given combination therapy with aspirin		
21	Hu ¹¹⁵	2018	Medicine	2.0	& Internal	reported	0/5	4	2010-2016	and clopidogrel	Proton pump inhibitors	Placebo
	114	2010	11100101110	2.0		reported	0.0		2010 2010	Patients with	Antivascular endothelial	1140000
22	117				Medicine, General	Not				pterygium or	growth factor agents - 3	
23	Huang ¹¹⁶	2018	Medicine	2.0	& Internal	reported	0/5	18	2010-2015	glaucoma	included	Placebo, sham
24					Medicine, General	Non-				Patients with diabetic peripheral	Fasudil + methylcobalamin	Methylcobalamin or
25	Jiang ¹¹⁷	2018	Medicine	2.0	& Internal	industry	0/5	13	2010-2017	neuropathy	or lipoic acid	lipoic acid alone
26	C					•				Adult women with	Antiangiogenic therapy (7	•
27					W 11 C 1	2.7				pathologically	included) alone or	DI I
28	Jiang ¹¹⁸	2018	Medicine	2.0	Medicine, General & Internal	Non- industry	0/4	15	2011-2016	confirmed epithelial ovarian cancer	combined with chemotherapy	Placebo or chemotherapy alone
29	Jiding	2010	Wedienie	2.0	& internal	maasay	0/4	13	2011-2010	Patients with	Immune checkpoint	enemonicrapy arone
30					Medicine, General	Non-				advanced non-small	inhibitors: anti-PD1/PD-L1	Chemotherapy - 6
31	Khan ¹¹⁹	2018	Medicine	2.0	& Internal	industry	0/8	7	2015-2017	cell lung cancer	therapies - 3 types	regimens
32					Medicine, General	No				Patients undergoing total knee or hip		Normal saline or
33	Liang ¹²⁰	2017	Medicine	2.0	& Internal	funding	0/4	3	2016-2017	arthroplasty	Acetaminophen	placebo
34	-				Medicine, General	No				Adults with social	1	1
35	Liu ¹²¹	2018	Medicine	2.0	& Internal	funding	0/7	5	1999-2007	anxiety disorder	Fluvoxamine	Placebo
36										Children and adults		Normal saline, K-Y
37					Medicine, General	No				requiring nasogastric		lubricant gel, or no
38	Lor ¹²²	2017	Medicine	2.0	& Internal	funding	0/8	10	1999-2015	intubation	Lidocaine	treatment
39						=				Adults with		
					Madiaina Carant	No				intertrochanteric		
40	Wang ¹²³	2017	Medicine	2.0	Medicine, General & Internal	No funding	0/2	4	2015-2017	fractures preparing for internal fixation	Tranexamic acid	Placebo, no treatment
41							V. -	•	2010 2017	mornai inautoli		- more, no nominom
42												

ı												
2												
3										(dynamic hip		
4										screws, proximal		
5										femoral nail		
6										antirotations)		
												Placebo, octreotide,
7										month of the		norepinephrine,
8					M II : C 1	N				Patients with		dopamine +
9	Wang ¹²⁴	2018	Medicine	2.0	Medicine, General & Internal	No funding	0/5	18	2001-2016	hepatorenal syndrome	Tauliumassiu	furosemide, octreotide + midodrine
10	wang	2018	Medicine	2.0	Medicine, General	Not	0/3	16	2001-2010	Patients undergoing	Terlipressin	+ midodrine
11	Wang ¹²⁵	2018	Medicine	2.0	& Internal	reported	0/3	4	1993-2011	bronchoscopy	Propofol	Midazolam
	wang	2010	Wicarenic	2.0	Co Internal	reported	0/3	•	1775 2011	отопеновеору	Troporor	Chemotherapy,
12					Medicine, General	Not						everolimus,
13	Wei ¹²⁶	2017	Medicine	2.0	& Internal	reported	0/2	14	2015-2017	Cancer patients	PD-1 inhibitors - 2 types	ipilimumab
14						•				Women of	Non-steroidal anti-	•
15										reproductive age	inflammatory drugs,	
					Medicine, General	Non-				with primary	analgesics, oral	
16	Woo ¹²⁷	2018	Medicine	2.0	& Internal	industry	0/7	34 ^p	1998-2017	dysmenorrhea	contraceptives	Acupuncture
17										Patients who were		
18					Madiaina Cananal	Non				administered xenon		
19	Xia ¹²⁸	2018	Medicine	2.0	Medicine, General & Internal	Non- industry	0/6	13	2004-2012	versus propofol as a general anesthetic	Xenon	Propofol
20	Ala	2016	Medicine	2.0	& Internal	maustry	0/0	13	2004-2012	Patients prepared for	Aelioli	Flopoloi
					Medicine, General	Not				primary total hip		
21	Yang ¹²⁹	2017	Medicine	2.0	& Internal	reported	0/4	7	2008-2016	arthroplasty (THA)	Glucocorticoids - 3 types	Placebo, no treatment
22	Č					1				Patients undergoing	31	,
23					Medicine, General	Not				laparoscopic		
24	Ye^{130}	2017	Medicine	2.0	& Internal	reported	0/3	5	2004-2016	cholecystectomy	Ketamine	Placebo
25	101				Medicine, General	No				Adults with acute		
26	Yu^{131}	2018	Medicine	2.0	& Internal	funding	0/6	8	2009-2017	heart failure	Serelaxin	Placebo
										Patients with		
27										locoregionally advanced		
28					Medicine, General	Non-				nasopharyngeal	Neoadjuvant chemotherapy	
29	Yuan ¹³²	2018	Medicine	2.0	& Internal	industry	0/9	31	1995-2016	carcinoma	regimens - 16 included	Network meta-analysis
30	1 00011	2010	11100101110	2.0		maasay	0. 7	51	1,,,0 2010		Aspirin, aspirin +	Treement included analysis
31											dipyridamole, aspirin +	
											clopidogrel, aspirin +	
32					Medicine, General	Not				Adults with cerebral	warfarin, cilostazol,	
33	Zhang ¹³³	2018	Medicine	2.0	& Internal	reported	0/2	13	2001-2014	infarction	warfarin, and ticlopidine	Network meta-analysis
34										Healthy volunteers		
35					M II : C 1	N				and people with	11.	Placebo, other
36	Zhang ¹³⁴	2018	Medicine	2.0	Medicine, General & Internal	Non- industry	0/8	10	1989-2006	congestive heart failure	Histamine H2 antagonists -	conventional therapy
37	Znang	2018	Medicine	2.0	& internal	maustry	0/8	10	1989-2000	Adult patients	5 types	medicines - 3 types
										prepared to undergo		
38					Medicine, General	Not				laparoscopic		
39	Zhao ¹³⁵	2018	Medicine	2.0	& Internal	reported	0/7	5	2008-2017	cholecystectomy	Lidocaine	Placebo, saline
40					Medicine, General	No				Patients with a		•
41	Zhao ¹³⁶	2018	Medicine	2.0	& Internal	funding	0/3	4	2013-2017	diagnosis of	Nefopam	Saline or usual care
42												
+4												

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1												
2												
3 4 5 6										symptomatic cholelithiasis and acute cholecystitis who prepared for		
7										laparoscopic cholecystectomy		
8										Adults with end-		
9										staged knee osteoarthritis		
10					Medicine, General	No				undergoing total		
11	Zhou ¹³⁷	2018	Medicine	2.0	& Internal	funding	0/4	6	2013-2017	knee arthroplasty	Dexamethasone	Placebo, no treatment Non-selective non-
12											Selective non-steroidal	steroidal anti-
13 14					Medicine, General	Not				Patients who underwent total hip	anti-inflammatory drugs (selective COX-2	inflammatory drugs (non-selective COX-2
15	Zhu ¹³⁸	2018	Medicine	2.0	& Internal	reported	0/3	8	2002-2016	arthroplasty	inhibitors) - 4 types	inhibitors) - 4 types
16	Zhou ¹³⁹	2018	Postgraduate Medicine	2.1	Medicine, General & Internal	No funding	0/5	10	2007-2017	Patients with dyslipidemia	Anacetrapib	Placebo, placebo + usual care
17	Znou	2010	Wiedienie	2.1	& Internal	runding	0/3	10	2007 2017	Patients with	rmacerapio	usuar care
18			Revista da							complicated intra- abdominal		
19			Associação							infections and		
20	Zhang ¹⁴⁰	2018	Médica Brasileira	0.7	Medicine, General & Internal	Non- industry	Not reported/6	6	2012-2016	complicated urinary tract infections	Ceftazidime-avibactam	Other antibiotics - 3 types, usual care
21 22	Specialty medicing			0.7	& Internal	ilidusti y	reported/0		2012-2010	tract infections	Certazidilie-avibactalii	types, usual care
22			,									
23											Prostaglandin analogues,	
23 24			Acta							Patients with	alpha-2 adrenergic	
23 24 25			Acta Ophthalmologic			Non-	Not			Patients with primary open-angle glaucoma or ocular		Placebo - Network
24	Li ¹⁴¹	2018		3.3	Ophthalmology	Non- industry	Not reported/3	72	1995-2015	primary open-angle	alpha-2 adrenergic agonists, beta-blockers,	Placebo - Network meta-analysis
24 25 26 27		2018	Ophthalmologic	3.3	Ophthalmology Cardiac & Cardiovascular			72	1995-2015	primary open-angle glaucoma or ocular	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase	
24 25 26 27 28	Li ¹⁴¹ Tarantini ¹⁴²	2018 2018	Ophthalmologic a	3.3 4.2	Cardiac & Cardiovascular Systems	industry		72 5	1995-2015 2007-2016	primary open-angle glaucoma or ocular hypertension	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics	
24 25 26 27 28 29			Ophthalmologic a American Heart		Cardiac & Cardiovascular	industry No	reported/3			primary open-angle glaucoma or ocular hypertension Patients with acute	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors -	meta-analysis
24 25 26 27 28 29 30			Ophthalmologic a American Heart Journal American Journal of		Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems;	industry No funding	reported/3			primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors -	meta-analysis Clopidogrel Placebo, other lipid-
24 25 26 27 28 29 30 31	Tarantini ¹⁴²		Ophthalmologic a American Heart Journal American		Cardiac & Cardiovascular Systems Cardiac & Cardiovascular	industry No	reported/3			primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors -	meta-analysis Clopidogrel
24 25 26 27 28 29 30 31 32		2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular	4.2	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy	No funding Non-	reported/3 0/7	5	2007-2016	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran	meta-analysis Clopidogrel Placebo, other lipid-lowering agents -
24 25 26 27 28 29 30 31	Tarantini ¹⁴²	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular	4.2	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology;	No funding Non-industry	reported/3 0/7 0/3	5	2007-2016	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3	meta-analysis Clopidogrel Placebo, other lipid-lowering agents -
24 25 26 27 28 29 30 31 32 33	Tarantini ¹⁴²	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs	4.2	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy	No funding Non-	reported/3 0/7	5	2007-2016	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis
24 25 26 27 28 29 30 31 32 33 34 35 36	Tarantini ¹⁴² Wang ¹⁴³	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care	2.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care	Non-industry Non-industry	reported/3 0/7 0/3 Not	5	2007-2016 2014-2017	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional
24 25 26 27 28 29 30 31 32 33 34 35 36 37	Tarantini ¹⁴² Wang ¹⁴³	2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and	2.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine	No funding Non-industry Non-	reported/3 0/7 0/3 Not	5	2007-2016 2014-2017	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid	Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	Tarantini ¹⁴² Wang ¹⁴³ Aman ¹⁴⁴	2018 2018 2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care Autoimmunity	4.22.71.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine Immunology Biotechnology &	Non-industry Non-industry Non-industry Non-industry	reported/3 0/7 0/3 Not reported/5	5 5 10	2007-2016 2014-2017 1995-2015	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis Patients with left	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid analgesics - 5 types	Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment Placebo, milrinone,
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	Tarantini ¹⁴² Wang ¹⁴³ Aman ¹⁴⁴	2018 2018 2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care Autoimmunity Reviews Biomed	4.22.71.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine Immunology Biotechnology & Applied Microbiology;	Non-industry Non-industry Non-industry	reported/3 0/7 0/3 Not reported/5	5 5 10	2007-2016 2014-2017 1995-2015	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis Patients with left ventricular dysfunction	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid analgesics - 5 types	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment Placebo, milrinone, dopamine, intra-aortic balloon pump (IABP),
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	Tarantini ¹⁴² Wang ¹⁴³ Aman ¹⁴⁴ Li ¹⁴⁵	2018 2018 2018 2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care Autoimmunity Reviews Biomed Research	4.22.71.78.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine Immunology Biotechnology & Applied Microbiology; Medicine, Research	No funding Non-industry Non-industry Non-industry	reported/3 0/7 0/3 Not reported/5 0/7	5 5 10 15	2007-2016 2014-2017 1995-2015 2004-2017	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis Patients with left ventricular dysfunction undergoing cardiac	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid analgesics - 5 types Statins - 2 types	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment Placebo, milrinone, dopamine, intra-aortic balloon pump (IABP), and standard inotropic
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	Tarantini ¹⁴² Wang ¹⁴³ Aman ¹⁴⁴	2018 2018 2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care Autoimmunity Reviews Biomed	4.22.71.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine Immunology Biotechnology & Applied Microbiology;	Non-industry Non-industry Non-industry	reported/3 0/7 0/3 Not reported/5	5 5 10	2007-2016 2014-2017 1995-2015	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis Patients with left ventricular dysfunction	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid analgesics - 5 types	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment Placebo, milrinone, dopamine, intra-aortic balloon pump (IABP),
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	Tarantini ¹⁴² Wang ¹⁴³ Aman ¹⁴⁴ Li ¹⁴⁵	2018 2018 2018 2018	Ophthalmologic a American Heart Journal American Journal of Cardiovascular Drugs Anaesthesia and Intensive Care Autoimmunity Reviews Biomed Research	4.22.71.78.7	Cardiac & Cardiovascular Systems Cardiac & Cardiovascular Systems; Pharmacology & Pharmacy Anesthesiology; Critical Care Medicine Immunology Biotechnology & Applied Microbiology; Medicine, Research	No funding Non-industry Non-industry Non-industry	reported/3 0/7 0/3 Not reported/5 0/7	5 5 10 15	2007-2016 2014-2017 1995-2015 2004-2017	primary open-angle glaucoma or ocular hypertension Patients with acute coronary syndrome Adults aged 18–65 years with hyperlipidemia Patients undergoing caesarean section under general anaesthesia Patients with rheumatoid arthritis Patients with left ventricular dysfunction undergoing cardiac	alpha-2 adrenergic agonists, beta-blockers, carbonic anhydrase inhibitors, miotics P2Y12 receptor inhibitors - 2 types Inclisiran Opioid analgesics - 3 types, non-opioid analgesics - 5 types Statins - 2 types	meta-analysis Clopidogrel Placebo, other lipid-lowering agents - Network meta-analysis Placebo Conventional treatment, placebo + conventional treatment Placebo, milrinone, dopamine, intra-aortic balloon pump (IABP), and standard inotropic

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3 4 5 6	Veettil ¹⁴⁷	2017	BMC Cancer	3.3	Oncology	No funding	0/6	8	2003-2014	Adults with history of colorectal cancer or adenoma	Aspirin, non-aspirin nonsteroidal anti- inflammatory drugs (NSAIDs) Purine-like xanthine	Placebo, no treatment
7 8 9 10	Bredemeier ¹⁴⁸	2018	BMC Cardiovascular Disorders	1.8	Cardiac & Cardiovascular Systems	No funding	0/9	91	1973-2017	Adults under treatment for any clinical condition Patients with post-	oxidase inhibitors - 2 types, non-purine-like xanthine oxidase inhibitors - 2 types	Placebo, no treatment
11 12 13 14	Lyu ¹⁴⁹	2018	BMC Gastroenterolog y	2.7	Gastroenterology & Hepatology	Non- industry	0/5	22	2003-2017	endoscopic retrograde cholangiopancreatog raphy pancreatitis (PEP) Patients with	Nonsteroidal anti- inflammatory drugs (NSAIDs) - 6 types	Placebo
15 16 17	Xing ¹⁵⁰	2017	BMC Infectious Diseases	2.6	Infectious Diseases	Non- industry	0/6	16	2001-2016	invasive fungal infections Patients undergoing	Voriconazole	Other antifungal agents - 7 types
18 19 20	Kuo ¹⁵¹	2010	BMC Musculoskeletal Disorders	2.0	Orthopedics;	No Souther	0/4		2015 2017	total shoulder arthroplasty or reverse shoulder	Tranexamic acid	Placebo
20 21 22 23 24 25 26 27 28	Kuo	2018	Disorders	2.0	Rheumatology	funding	0/4	3	2015-2017	Patients with ischemic or hemorrhagic stroke,	Pharmacological agents for traumatic brain injury – 14 types, pharmacological agents for stroke – 23 types, pharmacological agents for bacterial meningitis – 1 type, pharmacological agents for intracerebral haemorrhage – 6 types, pharmacological	Ріасево
29 30	Beez ¹⁵²	2017	BMC Neurology	2.2	Clinical Neurology	No funding	0/3	110 ^q	1983-2015	traumatic brain injury, or bacterial meningitis	agents for aneurysmal subarachnoid hemorrhage – 19 types	Unspecified control
31 32 33			DMC			N				Patients with primary or recurrent pterygium undergoing surgical	Anti-fibrotic and anti- VEGF (vascular	N. I. N. I
34 35 36 37 38	Zeng ¹⁵³	2017	BMC Ophthalmology	1.8	Ophtamology	No funding	0/7	32	1990-2016	removal combined with toxic agents Patients with acute coronary syndrome and patients who underwent	endothelial growth factor) medications - 3 types	Placebo - Network meta-analysis
39 40 41 42	Bundhun ¹⁵⁴	2017	BMC Pharmacology & Toxicology	1.9	Pharmacology & Pharmacy; Toxicology	Non- industry	0/3	4	2013-2016	percutaneous coronary intervention	Prasugrel	Ticagrelor

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2 3 4 5 6	71155	2017	BMC	2.4	Developer	No	0/11	47	2002 2015	People with schizophrenia or related disorders that had a duration of treatment that was	Antipsychotic drugs - 12	Placebo - Network
7 8 9	Zhang ¹⁵⁵	2017	Psychiatry BMC	2.4	Psychiatry	funding	0/11	47	2003-2015	no more than 1 year Patients with acute exacerbations of chronic obstructive	types	meta-analysis
10 11 12	Zhang ¹⁵⁶	2017	Pulmonary Medicine BMC	2.7	Respiratory System	No funding	0/5	19	1996-2016	pulmonary disease (COPD)	Antibiotics - 17 types	Placebo - Network meta-analysis
13 14 15 16	Zhang ¹⁵⁷	2017b	Pulmonary Medicine	2.7	Respiratory System Oncology;	Non- industry	0/4	25	1993-2016	Preterm infants Post-menopausal women with metastatic HR- positive, HER2-	Cyclin-dependent kinase 4/6 inhibitors - 3 types +	Placebo
17 18 19	Ramos-Esquivel	2018	Breast Cancer British Journal of Sports	1.8	Obstetrics & Gynecology	No funding Non-	0/4	3	2016-2017	negative breast cancer Patients with osteoarthritis in any	aromatase inhibitor - 2 types Non-steroidal anti- inflammatory drugs - 9	Aromatase inhibitors - 2 types
20 21 22 23 24	Zeng ¹⁵⁹	2018	Medicine	7.9	Sport Sciences	industry	0/12	36	1979-2016	joint	types	Network meta-analysis FOLFOX (leucovorin + fluorouracil + oxaliplatin) + bevacizumab, FOLFIRI (leucovorin
25 26 27	Shui ¹⁶⁰	2018	Cellular Physiology and Biochemistry	5.5	Cell Biology; Physiology	Not reported	0/6	4	2015-2017	Patients with metastatic colorectal cancer	FOLFOXIRI (leucovorin + fluorouracil + oxaliplatin + irinotecan) + bevacizumab	+ fluorouracil + irinotecan) + bevacizumab Miltefosine,
28 29 30 31	Rodrigo ¹⁶¹	2018	Clinical Microbiology and Infection	5.4	Infectious Diseases; Microbiology	No funding	0/4	28	1996-2017	Patients with visceral leishmaniasis Patients with	Amphotericin B	paromomycin, antimonial compounds - 2 types, pentamidine, sitamaquine Placebo, nonsteroidal anti-inflammatory
32 33 34 35	Wang ¹⁶²	2018	Clinical Rheumatology	2.1	Rheumatology	Non- industry	0/3	25	2002-2014	ankylosing spondylitis and non- radiographic axial spondyloarthritis	Tumor necrosis factor (TNF) inhibitors - 5 types, non-tumor necrosis factor (TNF) inhibitors - 2 types Low molecular-weight	drugs (NSAIDs), disease modifying antirheumatic drugs (DMARDs)
36 37 38 39	Hong ¹⁶³	2018	Critical Reviews in Oncology / Hematology	4.5	Oncology; Hematology	No funding	1/5	13	1996-2015	Adults with acute venous thromboembolism Patients with	heparin (LMWH) – 5 types, enoxaparin + vitamin K antagonists (VKA) Proprotein convertase	Rivaroxaban, unfractionated heparin (UFH) Placebo, placebo +
40 41 42 43	de Carvalho ¹⁶⁴	2018	Diabetes Care	13.4	Endocrinology & Metabolism	Not reported ^r	0/3	20	2012-2017	familial or nonfamilial	subtilisin/kexin type 9 gene inhibitors (PCSK9i)	other lipid-lowering therapy

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3										hypercholesterolemi		
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5			Digestive							Adults (18 and over)		Placebo, standard
			Diseases and		Gastroenterology &	Not				with organic or		treatment, no
6	Jaafar ¹⁶⁵	2018	Sciences	2.8	Hepatology	reported	0/5	17	2000-2016	functional dyspepsia	Rebamipide	treatment
7					DI 1 0	3 .7				Patients with		
8	Liu ¹⁶⁶	2018	Drug Delivery	3.1	Pharmacology & Pharmacy	Not	0/2	9	2002-2015	neurodegenerative movement disorders	Riluzole	Placebo
9	LIU	2018	Drug Delivery	3.1	Pharmacy	reported	0/2	9	2002-2013	Patients undergoing	Rifuzoie	Placebo
10										coronary		
11					Chemistry,					angiography (CAG)		
12			Drug Design,		Medicinal;					or percutaneous		
	1/7		Development		Pharmacology &	Not				coronary		
13	Liu ¹⁶⁷	2018	and Therapy	2.9	Pharmacy	reported	0/5	9	2010-2016	intervention (PCI)	Atorvastatin	Placebo
14			Drug Design,		Chemistry, Medicinal;					A dulta (> 10 years)		
15			Development		Pharmocology &	Not				Adults (≥ 18 years) undergoing spinal		
16	Sun ¹⁶⁸	2017	and Therapy	2.9	Pharmacy	reported	0/5	9	2009-2016	anesthesia	Dexmedetomidine	Fentanyl
17		2017	and inclupy	2.,	1 mannacy	Пропос	0.2		2009 2010	Adults with	<i>Someone</i>	1 0111111) 1
18			East Asian							traumatic brain		
19			Archives of			Not				injuries and		
	Paraschakis ¹⁶⁹	2017	Psychiatry	None	Not applicable	reported	0/2	4	2005-2010	depressive disorders	Antidepressants - 2 types	Placebo
20			Emergency		E	NT.				D-4:4-1-:4-		
21	D'Souza ¹⁷⁰	2018	Medicine Journal	2.0	Emergency Medicine	No funding	0/8	4	2001-2016	Patients taking acute antiemetic drugs	Diphenhydramine	Placebo
22	D Bouzu	2010	Journal	2.0	Wedlenie	runding	0/0		2001 2010	Adult women with	Dipilennyaramme	1 laccoo
23										epithelial ovarian		
24										cancer, fallopian		
25										tube cancer, or		
26										primary peritoneal		
27										cancer who have achieved complete		
			European							clinical remission		
28			Journal of		Oncology;					after debulking		
29			Gynecological		Obstetrics &	Not	Not			surgery and first-line	CA125-targeted antibody –	
30	Mei ¹⁷¹	2016	Oncology	0.6	Gynecology	reported	reported/4	4	2004-2013	chemotherapy	2 types	Placebo
31			European							Patients with		
32	Verberkt ¹⁷²	2017	Respiratory	12.2	D : C	Non-	2 /08	25	1002 2015	chronic	0.:::1- 0	D11
33	verberkt	2017	Journal Expert Opinion	12.2	Respiratory System	industry	3/9 ^s	35	1982-2015	breathlessness Critically ill patients	Opioids - 8 types Antacids, proton pump	Placebo
34			on							receiving stress	inhibitors (PPI), histamine-	
_			Pharmacotherap		Pharmacology &	No				ulcer prophylaxis	2 receptor antagonists	Placebo - Network
35	Sridharan ¹⁷³	2018	у	3.5	Pharmacy	funding	0/3	51	1980-2016	(SUP)	(H2RA), and sucralfate	meta-analysis
36			Expert Review			-				Patients undergoing		
37	TT 1 1 174	2010	of Clinical	2.0	Pharmacology &	No	0/4	-	1000 2012	coronary artery	***	DI 1
38	Habibi ¹⁷⁴	2018	Pharmacology	2.8	Pharmacy	funding	0/4	5	1999-2012	bypass surgery	Lidocaine	Placebo
39			Expert Review							Patients with stable angina pectoris		Placebo (saline,
40			of Clinical		Pharmacology &	Non-				requiring elective		isosorbide dinitrate),
41	Li ¹⁷⁵	2018	Pharmacology	2.8	Pharmacy	industry	0/4	14	2002-2017	percutaneous	Nicorandil	no treatment
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3 4 5	G.		Expert Review		DI I O	N				coronary intervention (PCI) Patients diagnosed	Anti-vascular endothelial	gi
5 7 3	Sangroongruang sri ¹⁷⁶	2018	of Clinical Pharmacology	2.8	Pharmacology & Pharmacy	Non- industry	0/5	11	2010-2017	with retinal vein occlusion Adult patients with foot or ankle trauma treated with below	growth factor (VEGF) drugs - 3 types	Sham injection - Network meta-analysis
9 10 11	Hickey ¹⁷⁷	2018	Foot and Ankle Surgery	1.5	Orthopedics Oncology;	Not reported	0/7	7	1993-2015	knee cast or splint immobilization Patients with	Low molecular weight heparin - 5 types Targeted agents - 11 types,	Placebo, no treatment
12 13	Zhao ¹⁷⁸	2018	Gastric Cancer	5.0	Gastroenterology & Hepatology	Non- industry	0/9	16	2002-2017	advanced gastric cancer	targeted agents + chemotherapy Orlistat, loracaserin,	Placebo - Network meta-analysis
14 15			Gastroenterolog		Gastroenterology &	No				Obese and overweight adults	naltrexone-bupropion, phentermine-topiramate,	Placebo - Network
16	Khera ¹⁷⁹	2018	у	20.8	Hepatology	funding	0/9	29	1998-2015	(18 years and over)	liraglutide Methotrexate (MEX) based	meta-analysis
17 18			Gynecologic		Oncology; Obstetrics &	Non-				Patients with low- risk gestational trophoblastic	chemotherapy regimens, actinomycin-d (Act-D) based chemotherapy	
19 20	Li ¹⁸⁰	2018	Oncology	4.5	Gynecology Gastroenterology &	industry	0/6	7	2005-2016	neoplasia (LRGTN) Patients with	regimens	Network meta-analysis
21 22	Zhuge ¹⁸¹	2018	Helicobacter Indian Journal	4.1	Hepatology; Microbiology	Non- industry No	0/6	18	1999-2016	helicobacter pylori infection Adults at risk of	Furazolidone	Other antibiotics - 7 types
23 24	Kim ¹⁸²	2017	of Cancer	0.7	Oncology	funding	0/4	21	1993-2011	developing cancer Patients undergoing	Statins - 7 types	Placebo
25 26			Indian Journal of Gastroenterolog			Not				endoscopic retrograde cholangiopancreatog		
27	Garg ¹⁸³	2018	у	None	Not applicable	reported	0/4	6	2007-2016	raphy Immunosuppressed	Indomethacin	Placebo
29 30	Rosanova ¹⁸⁴	2017	Infectious Diseases	1.9	Infectious Diseases	Not reported	0/5	7	2002-2011	haematology- oncology patients Adults (17 years and	Voriconazole	Other antifungal agents or placebo Non-steroidal anti-
31 32	Yu^{185}	2018	Inflammopharm acology	3.3	Immunology; Toxicology	Non- industry	0/6	3	2007-2016	over) diagnosed with acute gout Patients with	Prednisolone	infammatory drugs (NSAIDs) - 2 types
33 34 35	Kakkos ¹⁸⁶	2018	International Angiology	1.2	Peripheral Vascular Disease	Not reported	2/2	7	1982-2015	chronic venous disorders (CVD) or venous edema	Micronized purified flavonoid faction (Daflon)	Placebo
36		2010	International Immunopharma	2.1	Immunology; Pharmacology &	No	Not	0	2014 2015	Adults with moderate-to-severe	· · ·	DI I
37 38	Ou ¹⁸⁷	2018	cology International	3.1	Pharmacy Immunology;	funding	reported/5	8	2014-2017	atopic dermatitis Children diagnosed with recurrent	Dupilumab	Placebo
39 40	Yin ¹⁸⁸	2018	Immunopharma cology	3.1	Pharmacology & Pharmacy	No funding	0/4	53	1984-2017	respiratory tract infections (RRTIs)	Broncho-Vaxom	Placebo, routine therapies
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2			International									
4			Journal of			N					A ECED	
5	Zhu ¹⁸⁹	2018	Clinical Oncology	2.6	Oncology	Non- industry	0/7	35	2005-2016	Cancer patients	Anti-EGFR monoclonal antibodies (EGFR-MoAbs)	Placebo, usual care
6 7			International Journal of			Not				Patients with		
8	Liu ¹⁹⁰	2018	Neuroscience	1.8	Neurosciences	reported	0/2	4	2007-2016	seizures	Lacosamide	Placebo
9			International							Patients with advanced gastric and		No neoadjuvant
10			Journal of			No				esophago-gastric	Neoadjuvant chemotherapy	chemotherapy (only
11	Coccolini ¹⁹¹	2018	Surgery	2.7	Surgery	funding	0/12	15	1993-2014	cancer	(with surgery)	surgery) Placebo, no treatment
12			International							Patients with		("nothing controlled
13 14	Fan ¹⁹²	2018	Journal of Surgery	2.7	Surgery	Non- industry	0/8	7	2005-2016	scheduled total knee arthroplasty	Dexamethasone	multimodal analgesia method")
15	1 411	2010	Surgery	2.7	Surgery	industry	0,0	,	2003 2010	Patients with a	Beautienasone	method)
16										diagnosis of symptomatic		
17										cholelithiasis and		
18			International							acute cholecystitis who prepared for		
19	Li ¹⁹³	2010	Journal of	2.7	G.	No	0/5		2000 2017	laparoscopic	***	DI 1 1
20 21	Li	2018	Surgery	2.7	Surgery	funding	0/5	6	2008-2017	cholecystectomy Patients undergoing	Lidocaine	Placebo, saline
22										anaesthesia as part of endoscopic		
23			International							retrograde		
24	Li ¹⁹⁴	2018	Journal of Surgery	2.7	Surgery	No funding	0/4	17	1998-2017	cholangiopancreatog raphy	Anaesthetic medications - 12 types	No drug - Network meta-analysis
25	Li	2018		2.7	Surgery	Tunung	0/4	1 /	1998-2017	Patients undergoing	12 types	meta-anarysis
26 27			International Journal of			Non-				total knee arthroplasty or total		
28	Liu ¹⁹⁵	2018	Surgery	2.7	Surgery	industry	0/5	3^{t}	2005-2017	hip arthroplasty	Tranexamic acid	Aminocaproic acid
29			International Journal of			No				Patients with symptomatic knee		
30	Ran ¹⁹⁶	2018	Surgery	2.7	Surgery	funding	0/5	5	2002-2016	osteoarthritis	Hyaluronic acid	Methylprednisolone
31			International Journal of			No				Patients with hepatocellular		
32	Zhao ¹⁹⁷	2018	Surgery	2.7	Surgery	funding	0/3	4 ^u	2010-2017	carcinoma	Anthracyclines	Platinum
33 34			International							Adult patients prepared for		
35	Zhu ¹⁹⁸	2010	Journal of	2.7	G.	Non-	0.15		2004 2017	laparoscopic	W	g 1'
36	Znu	2018	Surgery Journal of	2.7	Surgery	industry	0/5	6	2004-2017 1990-	cholecystectomy	Ketamine	Saline
37	Wagner ¹⁹⁹	2019	Affective Disorders	2 9	Clinical Neurology;	Non-	Not	119	Unpublishe d	Adults with major	Second generation	Placebo - Network
38	wagner	2018	Journal of	3.8	Psychiatry	industry	reported/6	119	a	depressive disorder	antidepressants - 16 types	meta-analysis
39 40			Assisted Reproduction		Genetics & Heredity; Obstetrics	Not				Women with lymphoma, ovarian	Gonadotropin-releasing hormone agonists (GnRHa)	Standard treatment
40	Hickman ²⁰⁰	2018	and Genetics	2.8	& Gynecology;	reported	0/5	10	2007-2016	cancer, or breast	- 7 types	(chemotherapy only)
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Journal of Cancer	3					Reproductive					cancer undergoing		
Cancer C	4					Biology					chemotherapy		
Patients with non-search and Research and	5											D 11 11 (DD	
Clinical Clinical Clinical Clinical Cander Ca											Datiente with non		
Luo ³¹							Non-					/ I C	Chemotherapy - 2
Journal of Cancer Cance		Luo ²⁰¹	2018		3.3	Oncology		0/4	8	2015-2017	0	· /	
Research and Clinical Clinica													
Clinical													
Mangana							Non-						Placebo - Network
Journal of Cancer Cance		Wang ²⁰²	2018		3.3	Oncology		0/5	26	2010-2017		Targeted agents - 16 types	meta-analysis
No moderale to severe moderal to severe moderale to severe moderal to surgery and the severe moderal to surgery and the severe moderal to severe mo		C		Journal of			•				1	0 0 71	•
15													
Adults (18 years and over) undergoing discontinues approached by the state of the s		Wang ²⁰³	2018		0.8	Oncology		0/4	35	1007 2011		Fentany1	Mornhine
Cardiac & Card		wang	2016	Therapeuties	0.6	Officology	Tullullig	0/4	33	1997-2011	1	rentallyl	Placebo,
Hassan ²⁰¹⁴ 2017 Cardiac Surgery 1.2 Systems; Surgery cardione & Cardiovascular Systems; Surgery; Systems; Sys						Cardiac &					` •		discontinuation of
Cardia & Car	17												aspirin greater than 7
Cardiovascular Systems; Surgery; siolated coronary arrery bypass graft (CABG) surgery 1.2 Disease reported 0/6 5 1999-2010 (CABG) surgery Statins -3 types Antiandrogens, insulin sensitizers, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 antiandrogen, OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs.), OCPs. 4 insulin sensitizer, estrogen-progestin or	18	Hassan ²⁰⁴	2017	Cardiac Surgery	1.2		funding	0/8	12	1985-2016	surgery	Aspırın	days before surgery
Journal of Cardiovascular Peripheral Vascular Not artery bypass graft (ABG) surgery artery bypass graft (ABG) surgery yreported 0/6 5 1999-2010 (CABG) surgery yreported 2/8 2/8 2/8 2/8 2/8 2/8 2/8 2/8 2/8 2/8	19										Patients undergoing		
22 Wang ²⁰⁰⁵ 2018 Surgery 1.2 Disease reported 0/6 5 1999-2010 (CABG) surgery Antiandrogens, insulin sensitizers, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, antiandrogen industry 0/8 32 1989-2016 hirsutism sensitizer meta-antiandrogen insulin sensitizer. 28 Barrionuevo ²⁰⁶ 2018 Endocrinology and Metabolism industry 0/8 32 1989-2016 hirsutism sensitizer meta-antiandrogen insulin sensitizer. 29 Patients with type 2 diabetes Adults with moderate-to-severe chronic plaque-type psoriasis Patients with onset of atrial fibrillation (AF) within 48 h, who were hemodynamically stable and without evidence of acute without evidence of acute and oth and oth and oth evidence of acute and oth and oth and other and othe	20			Journal of							0 0		
Vangewo 2018 Surgery 1.2 Disease reported 0/6 5 1999-2010 (CABG) surgery Statuns - 3 types No prec Antiandrogens, insulin sensitizers, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs	21	205				1					, ,,		
23 Sensitizers, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizers, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizers, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptives pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptive pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptive pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptive pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progestin oral contraceptive pills (OCPs), OCPs + antiandrogen, OCPs + insulin sensitizer, estrogen-progesting insulin sensitizer, estrogen-progesting insulin sensitizer, estrogen-progesting insulin sen		Wang ²⁰³	2018	Surgery	1.2	Disease	reported	0/6	5	1999-2010	(CABG) surgery	2.1	No preoperative statin
24 25 26 27 27 27 27 27 27 27												<u> </u>	
25 Journal of Clinical Endocrinology Endocrinology & Non- Women with antiandrogen, OCPs + insulin sensitizer, Industry O/8 32 1989-2016 hirsutism Placebo sensitizer												,	
Journal of Clinical Endocrinology Endocrinology & Non- Women with antiandrogen, OCPs + insulin sensitizer, and Metabolism 5.8 Metabolism industry 0/8 32 1989-2016 hirsutism sensitizer meta-angular placebo Clinical Superior of Clinical Superior													
27 Clinical Endocrinology & Non- Metabolism 5.8 Metabolism 5.8 Metabolism Industry 0/8 32 1989-2016 More with Audits with More with				I 1 - £									
28 Barrionuevo ²⁰⁶ 2018 and Metabolism 5.8 Metabolism industry 0/8 32 1989-2016 hirsutism antiandrogen + insulin Placebo meta-angular												C ,	
Barrionuevo ²⁰⁶ 2018 and Metabolism 5.8 Metabolism industry 0/8 32 1989-2016 hirsutism sensitizer meta-an Journal of Clinical Pharmacy and Pharmacology & Not Patients with type 2 Placebo Pharmacy and Pharmacy reported 0/6 23 1993-2014 diabetes Statins - 6 types meta-an Adults with moderate-to-severe chronic plaque-type Apremilast, biological Placebo Pharmacy Placebo Pharmacy Fred Placebo Pharmacy Placebo Pharmacy Placebo Pharmacy Fred Placebo Pharmacy Placebo Pharmacy Fred Placebo Pharmacy Placebo Pharmacy Placebo Pharmacy Placebo Pharmacy Placebo Pharmacy Placebo Placebo Pharmacy Pharmacy Pharmacy Pharmacy Placebo Pharmacy Placebo Pharmacy Phar						Endocrinology &	Non-				Women with		Placebo - Network
Clinical Cui ²⁰⁷ 2018 Therapeutics 1.7 Pharmacy and reported 0/6 23 1993-2014 diabetes Statins - 6 types meta-angle of the properties of atrial fibrillation (AF) within 48 h, who were hemodynamically stable and without Emergency Not Not Not Stable and without evidence of acute substable and other and oth		Barrionuevo ²⁰⁶	2018	and Metabolism	5.8			0/8	32	1989-2016		C	meta-analysis
Plarmacy and Pharmacology & Not Patients with type 2 diabetes Statins - 6 types meta-and Adults with moderate-to-severe chronic plaque-type Apremilast, biological Placebo meta-and Placebo meta-													
Cui ²⁰⁷ 2018 Therapeutics 1.7 Pharmacy reported 0/6 23 1993-2014 diabetes Adults with moderate-to-severe chronic plaque-type Apremilast, biological Placebo meta-and placebo me						Pharmacology &	Not				Patients with type 2		Placebo - Network
Adults with moderate-to-severe chronic plaque-type Apremilast, biological Placebo permatological Placebo permatolo		Cui ²⁰⁷	2018	•	1.7			0/6	23	1993-2014		Statins - 6 types	meta-analysis
Sawyer ²⁰⁸ 2018 Treatment 2.1 Dermatology Industry 6/6° 54 2001-2016 psoriasis therapies - 7 types meta-and particular of a trial fibrillation (AF) within 48 h, who were hemodynamically stable and without the mergency Emergency Not Not Not Sample 2001-2016 psoriasis therapies - 7 types meta-and particular properties of a trial fibrillation (AF) within 48 h, who were hemodynamically stable and without evidence of acute and other particular properties of a trial fibrillation (AF) within 48 h, who were hemodynamically stable and without evidence of acute and other particular properties of acute and other properties of acute and other particular properties are properties of acute and other particular properties of acute and other particular properties are properties of acute and other particular properties are properties and particular properties are properties at the particular properties are properties and particular properties are properties at the particular properties at the particular properties are properties at the particular properties at the particul	32					,						v -JF	,
Sawyer ²⁰⁸ 2018 Treatment 2.1 Dermatology Industry 6/6° 54 2001-2016 psoriasis therapies - 7 types meta-an Patients with onset of atrial fibrillation (AF) within 48 h, who were hemodynamically stable and without Placebo 40 Emergency Emergency Not Not 1000-2000 evidence of acute and other properties.													
Patients with onset of atrial fibrillation (AF) within 48 h, who were hemodynamically stable and without Placebo 40 Emergency Emergency Not Not evidence of acute and other		Carrage 208	2019		2.1	Dammatalaari	In directors	6 /6V	5.4	2001 2016			Placebo - Network
36 37 38 38 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	35	Sawyer	2018	Treatment	2.1	Dermatology	industry	0/0	34	2001-2016	1	therapies - / types	meta-analysis
38 39 Journal of Stable and without Placebo 40 Emergency Emergency Not Not evidence of acute and other	36												
38 39 Journal of Stable and without Placebo 40 Emergency Emergency Not Not evidence of acute and other	37										. ,		
39 Journal of Stable and without Placebo 40 Emergency Emergency Not Not evidence of acute and oth													
40 Emergency Emergency Not Not evidence of acute and other				Journal of							, ,		Placebo, verapamil,
37 1 200 2010 37 11 1 10 37 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40					Emergency	Not	Not					and other active anti-
41 mantey 2010 medicine 1.2 medicine reported 1 1707 2001 coronary syndrome, recumine dystryte	41	Markey ²⁰⁹	2018	Medicine	1.2	Medicine	reported	reported/3	11	1989-2004	coronary syndrome,	Flecainide	dysrhythmics
47	• •												

2												
3										congestive heart		
4										failure, or structural		
5										heart disease		
6										Adult patients (18		
			T 1 C							years and over)		
7			Journal of Gastrointestinal							taking low-dose aspirin for a		Histamine-2 receptor
8			and Liver		Gastroenterology &	Not				minimum of 2	Proton-pump inhibitors	antagonists (H2RAs) -
9	Szabó ²¹⁰	2017	Diseases	2.0	Hepatology	reported	0/15	10^{w}	2009-2016	weeks	(PPIs) - 5 types	2 types
10						-				Patients with		
11			Journal of			N				histologically	T 1 1 1 1	D1 1
12	Su^{211}	2018	Immunology Research	3.3	Immunology	Non- industry	0/6	15	2011-2017	confirmed solid cancer	Immune checkpoint inhibitors (ICIs) - 5 types	Placebo or chemotherapy
13	Su	2016	Journal of	3.3	minulology	muusu y	0/0	13	2011-2017	Cancer	illillottors (ICIs) - 3 types	chemotherapy
14			Interventional									
15			Cardiac		Cardiac &					Patients with		
16	Chen ²¹²	2010	Electrophysiolo	1.5	Cardiovascular	Non-	0.40	0	2006 2017	persistent atrial		G 4 11 .:
17	Chen	2018	gy Journal of	1.5	Systems	industry	0/9	8	2006-2017	fibrillation	Antiarrhythmic drugs	Catheter ablation
18			Orthopaedic									
			Surgery and			No				Patients undergoing		
19	Chen ²¹³	2017	Research	1.6	Orthopedics	funding	0/4	6	2008-2014	knee arthroscopy	Midazolam	Placebo
20			Journal of							D-4141		
21			Orthopaedic Surgery and			Not				Patients undergoing a primary total hip		Placebo or no
22	Li ²¹⁴	2018	Research	1.6	Orthopedics	reported	0/5	3 ^x	2002-2017	or knee arthroplasty	Aminocaproic acid	treatment
23			Journal of		-	-					-	
24			Orthopaedic			NT .				D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
25	Luo ²¹⁵	2018	Surgery and Research	1.6	Orthopedics	Not reported	0/4	3 ^y	2002-2017	Patients treated with spine surgery	Tranexamic acid	Control (not specified)
26	Luo	2016	Journal of	1.0	Ormopedies	reported	0/4	3.	2002-2017	spine surgery	Hallexallife acid	Control (not specified)
27			Orthopaedic							Patients who		
28	216		Surgery and			No				underwent hip		
29	Ma^{216}	2018	Research	1.6	Orthopedics	funding	0/4	4	1991-2015	surgery Patients with a	Naproxen	Placebo
30			Journal of							primary diagnosis of	Vortioxetine,	
31			Psychiatric			Non-				major depressive	levomilnacipran,	
32	He^{217}	2018	Research	4.0	Psychiatry	industry	0/8	22	2009-2015	disorder (MDD)	vilazodone	Placebo
			Journal of									
33			Stroke & Cerebrovascular		Neurosciences; Peripheral Vascular	Non-				Asian patients with non-valvular atrial	Warfarin, direct oral anticoagulants (DOACs) -	
34	Wang ²¹⁸	2018	Diseases	1.6	Disease	industry	4/8	6	2003-2013	fibrillation (AF)	5 types	Network meta-analysis
35		2010	Journal of the	1.0	Disease	maaaay	0	Ü	2002 2012	nermanen (r.n.)	z types	Treevi em meu anary em
36			American									
37	D1 219	2010	Academy of		D 1	No	0.16	1.5	2000 2016	D 1 14 11	D 4.	*
38	Dhana ²¹⁹	2018	Dermatology	6.9	Dermatology	funding	0/6	15	2000-2016	People with scabies	Permethrin Proprotein convertase	Ivermectin
39			Journal of the		Cardiac &					Adults with	subtilisin/kexin type 9	
40			American Heart		Cardiovascular	Not				hypercholesterolemi	(PCSK9) inhibitors - 2	Placebo, ezetimibe,
41	Karatasakis ²²⁰	2017	Association	4.5	Systems	reported	3/12 ^z	35	2012-2017	a	types	standard therapy
42												
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			Journal of the European Academy of Dermatology and			Non-				Adult patients (≥ 18) with moderate-to-severe plaque		
	Kuo ²²¹	2018	Venereology Journal of Traditional	4.3	Dermatology Integrative &	industry	2/4	4	2012-2016	psoriasis	Tofacitinib	Placebo
0 1 2	Liu ²²²	2016	Chinese Medicine	0.9	Complementary Medicine Biochemistry & Molecular Biology;	Non- industry	Not reported/6	16	2005-2015	Patients with rheumatoid arthritis	Methotrexate	Sinomenine
3 4 5 6	Zheng ²²³	2017	Journal of Zhejiang University- SCIENCE B	1.8	Biotechnology & Applied Microbiology; Medicine, Research & Experimental	Not reported	0/7	8	1990-2014	Adult patients undergoing cardiac surgery requiring aortic cross-clamp	Amiodarone, lidocaine	Placebo
7 8 9	Fregonese ²²⁴	2018	Lancet Respiratory Medicine	21.5	Critical Care Medicine; Respiratory System	Non- industry	0/57	2	2010-2014	Patients with isoniazid-resistant, rifampicin-susceptible tuberculosis	Fluoroquinolone, streptomycin	Usual care (REZ = rifampicin, ethambutol, pyrazinamide)
0	rregoliese	2016		21.3	1 , ,	,		2	2010-		streptomyem	pyrazmamide)
1 2 3	Bornstein ²²⁵	2018	Neurological Sciences Ophthalmic	2.3	Clinical Neurology; Neurosciences	Not reported	Not reported/10	9	Unpublishe d	Patients during early post-stroke period Patients arranged for primary	Cerebrolysin Bevacizumab, bevacizumab +	Placebo Placebo, antimetabolite - 2
4	Chen ²²⁶	2018	Research	1.8	Ophthalmology	N.	0/4	3	2013-2015	trabeculectomy	antimetabolite - 2 types	types
5 6	Han ²²⁷	2017	Pain Physician	2.6	Anesthesiology; Clinical Neurology	No funding	0/4	10	2004-2016	Patients undergoing spinal surgery Adult patients	Gabapentin	Placebo
7 8 9 0	Peng ²²⁸	2017	Pain Physician	2.6	Anesthesiology; Clinical Neurology Chemistry, Medicinal;	No funding	0/5	18	2004-2016	undergoing surgical procedures	Dexmedetomidine + opioids	Opioids
1 2 3	Feng ²²⁹	2016	Pharmazie	1.0	Chemistry, Multidisciplinary; Pharmacology & Pharmacy Chemistry,	Not reported	0/7	2^{aa}	2011-2012	Patients with tuberculosis	V-5 immunitor	Usual care (chemotherapy), usual care + placebo
4 5 6 7	Xu^{230}	2016	Pharmazie	1.0	Medicinal; Chemistry, Multidisciplinary; Pharmacology & Pharmacy	Not reported	Not reported/8	12	1999-2014	Patients with non- cystic fibrosis bronchiectasis	Antibiotics - 7 types	Placebo, symptomatic treatment only
8			PLOS Neglected Tropical		Parasitology;	Non-		11		Patients infected with soil transmitted		Albendazole,
0	Palmeirim ²³¹	2018	Diseases	4.4	Tropical Medicine	industry	0/9	14 ^{bb}	1997-2015	helminths	Albendazole + ivermectin	ivermectin

1 2												
3 4 5 6 7 8 9 10			Psychotherapy							Adults with persistent depressive disorder (DSM-5), chronic major depression, recurrent major depression with incomplete interepisode recovery or dysthymia (DSM-IV), or any	Antidepressants - 6 types, cognitive-behavioral analysis system of psychotherapy, combination of antidepressants and cognitive-behavioral	
12 13	Furukawa ²³²	2018	and Psychosomatics	13.1	Psychiatry; Psychology	Non- industry	2/11	3	2000-2015	corresponding conditions Adult patients with	analysis system of psychotherapy	Network meta-analysis
14 15 16 17	Liu ²³³	2018	Renal Failure	1.4	Urology & Nephrology	Not reported	0/6	12	2006-2015	chronic kidney disease Adults with a history of chronic obstructive	Uric acid-lowering therapy - 2 types	Placebo, usual therapy, no treatment Tiotropium or olodaterol as monotherapy,
18 19	Miravitlles ²³⁴	2017	Respiratory Research	3.8	Respiratory System	Industry	3/4	10	2014-2016	pulmonary disease (COPD) Patients with	Tiotropium + olodaterol	salmeterol + fluticasone Corticosteroid + fast-
20 21	Wang ²³⁵	2017	Respiratory Research	3.8	Respiratory System	Non- industry	1/7	6	2006-2016	intermittent or mild persistent asthma Adults (18 years and	Corticosteroids, fast-onset- acting β2-agonists	onset-acting β2- agonist
22 23 24 25 26 27 28	Kawalec ²³⁶	2018	Rheumatology International	2.0	Rheumatology	No funding	0/4	8	2011-2016	over) with moderate to severe psoriatic arthritis (PsA) Adult patients (18 years and over) treated for the secondary prevention of	Tumor necrosis factor (antiTNF)- α inhibitors - 4 types	Placebo - Network meta-analysis
29 30 31	Malhotra ²³⁷	2018	Stroke Surgical	6.2	Clinical Neurology; Peripheral Vascular Disease	Not reported	0/6	12	2009-2016	cardiovascular, peripheral vascular, and cerebrovascular disease	Proton pump inhibitors (PPI) + thienopyridines	Thienopyridines - 2 types
32 33 34	73. 238	2010	Laparoscopy Endoscopy & Percutaneous	1.0	0	Not	0/2		1005 2010	Adults (18 and over) undergoing gastrointestinal	Act 1	D 01
35 36	Zhang ²³⁸	2018	Techniques	1.0	Surgery Hematology;	reported	0/3	5	1995-2018	endoscopy Asian and non- Asian adults (18 years and older)	Midazolam	Propofol
37 38 39	Yamashita ²³⁹	2018	Thrombosis Research	2.8	Peripheral Vascular Disease Immunology;	No funding	3/7	6	2009-2014	with acute venous thromboembolism	Direct oral anticoagulants (DOACs) - 4 types	Vitamin K antagonists (VKAs), heparin
40	Zhang ²⁴⁰	2018	Vaccine	3.3	Medicine, Research & Experimental	No funding	1/6	13	1999-2014	HIV-positive people	Influenza vaccine, Placebo	Network meta-analysis

	Multidiscipl	inary sciences	(n = 10)									
			Medical							Patients with		
	241		Science		Medicine, Research	Non-				essential	Anti-hypertensive drugs - 8	
	Chen ²⁴¹	2018	Monitor	1.9	& Experimental	industry	0/5	20^{cc}	2000-2016	hypertension	types	Acupuncture
										Adult patients (over		
										18 years old) that		
										underwent the		71 1 1 1
		2010	DI OG OME	2.0	Multidisciplinary	No	0.12	0	1000 2015	extraction of any	CLL 1 'T'	Placebo, standard
)	Arteagoitia ²⁴	2018	PLOS ONE	2.8	Sciences	funding	0/3	8	1989-2015	tooth	Chlorhexidine	treatment
										Adults with		Placebo, other non-
					M. B. C. C. C.	NT.				osteoarthritis or		steroidal anti-
<u>'</u>	E 243	2010	DI OC ONE	2.0	Multidisciplinary	No	0/4	0	2002 2000	rheumatoid arthritis	F: 1	inflammatory drugs
3	Feng ²⁴³	2018	PLOS ONE	2.8	Sciences	funding	0/4	9	2002-2009	of the knee or hip	Etoricoxib	(NSAIDs) - 2 included
1	Kawakami ²⁴⁴	2018	PLOS ONE	2.8	Multidisciplinary Sciences	Non- industry	0/5	6	2007-2017	Pediatric surgical patients	Magnagiyan	Placebo, no treatment
	Kawakaiiii	2016	FLOS ONE	2.0	Sciences	ilidusti y	0/3	U	2007-2017	Adults (18 years and	Magnesium	riaceoo, no treatment
										over) diagnosed		
)										with generalized		
7					Multidisciplinary	Non-				anxiety disorder		
3	Li ²⁴⁵	2018	PLOS ONE	2.8	Sciences	industry	0/7	8	2007-2014	(GAD)	Duloxetine	Placebo
)	Li	2010	T EOS ONE	2.0	Serences	maasiry		Ü	2007 2011	Patients with	Buloketine	1 140000
,										hypertension and		Angiotensin-
)										chronic kidney		converting enzyme
					Multidisciplinary	Non-				disease stage 3 to 5		inhibitors, angiotensin
)	Lin ²⁴⁶	2017	PLOS ONE	2.8	Sciences	industry	0/6	21	1992-2012	and dialysis	Calcium channel blockers	receptor blockers
,						,				Adults (19 years and		1
•					Multidisciplinary	Non-	Not			over) undergoing		Propofol, morphine,
ŀ	Ling ²⁴⁷	2018	PLOS ONE	2.8	Sciences	industry	reported/6	9	2003-2017	cardiac surgery	Dexmedetomidine	placebo
5					Multidisciplinary	Non-	•				Erythropoiesis-stimulating	1
	Rohner ²⁴⁸	2017	PLOS ONE	2.8	Sciences	industry	2/7	94	1993-2014	Cancer patients	agents	Usual care
,												Placebo, no
′												intervention, beta
3										Patients with atrial		blockers, calcium
9					Multidisciplinary	No				fibrillation or atrial		antagonists,
1	Sethi ²⁴⁹	2018	PLOS ONE	2.8	Sciences	funding	0/6	28	1986-2017	flutter	Digoxin	amiodarone
	250				Multidisciplinary					Post renal transplant		
l	Wolf ²⁵⁰	2018	PLOS ONE	2.8	Sciences	Industry	1/9	13	2002-2016	patients	mTOR-inhibitors - 2 types CTs had a drug arm: °33/38 incl	Calcineurin-inhibitors

"Only 3 studies reported that authors were employed by industry and therefore we included them as ties for the purposes of this table; b11/12 included RCTs had a drug arm; c33/38 included RCTs had a drug arm; 4/14 included RCTs had a drug arm; one author reported pharmaceutical company employment; b1/11 included RCTs had a drug arm; f71/120 included studies were RCTs; h24/25 included studies were RCTs; h24/25 included studies were RCTs; h24/25 included RCTs had a drug arm; h10/27 included RCTs had a drug arm; h10/103 included RCTs had a drug arm; h10/27 included RCTs had a drug arm; h10/103 included RCTs had a drug arm; h10/103 included RCTs had a drug arm; h10/123 included RCTs h233 included RCTs; h24/113 included RCTs h24

eTable2. – Detailed reporting of study funding sources (F), author-industry financial ties (T), and author-industry employment (E) form included RCTs

						Location Ro	eported					
First Author	Year	Journal	Funding Sources of Included Trials Reported in Meta-analysis?	Author- Industry Financial Ties of Included Trials Reported in Meta- analysis?	Author- Industry Employment of Included Trials Reported in Meta- analysis?	Risk of Bias Text	Risk of Bias Figure or Table	Main Text, Other than Risk of Bias	Other in Main Document (Characteristic s of Included Studies Table, other table, footnote)	Abstract	Lay summary	Online appendix
Cochrane Reviews	(n = 107)											
Abdel-Rahman ¹	2018	Cochrane Database of Systematic Reviews Cochrane Database of	Full	No	No	F	F		F	F	F	
Adams ²	2018	Systematic Reviews Cochrane Database of	Full	No	No	F		F	F			
Agabio ³	2018	Systematic Reviews Cochrane Database of	Full	Partial	No			F, T	F, T		F	
Al-Shahi Salman ⁴	2018	Systematic Reviews Cochrane Database of	Partial	No	No			F	F			
Alabed ⁵	2018	Systematic Reviews Cochrane Database of	Partial	No	Partial				F, E			
Allegretti ⁶	2017	Systematic Reviews Cochrane Database of	Full	No	No	F	F			F	F	
Arechabala ⁷	2018	Systematic Reviews Cochrane Database of	Full	Partial	Partial	F	F, E	F, T	F, T, E		F	
Baandrup ⁸	2018	Systematic Reviews Cochrane Database of	Full	Full	Partial	F	F	F	F, T, E		F	
Bala ⁹	2018	Systematic Reviews Cochrane Database of	Full	No	No	F			F			
Barbato ¹⁰	2018	Systematic Reviews Cochrane Database of	No	No	No							
Bergman ¹¹	2018	Systematic Reviews Cochrane Database of	Full	Partial	No				F, T			
Bighelli ¹²	2018	Systematic Reviews	Full	Full	Partial	F	F, T, E	F	F, T, E	F	F	
Birks ¹³	2018	Cochrane Database of Systematic Reviews	Full	Partial	No			F	F, T	F		
Boyapati ¹⁴	2018	Cochrane Database of Systematic Reviews	No	No	No							
Brown ¹⁵	2018	Cochrane Database of Systematic Reviews	Partial	Partial	No	F	F	F	F, T	F	F	
Bruins Slot ¹⁶	2018	Cochrane Database of Systematic Reviews	Full	No	No				F			
Bryan ¹⁷	2017	Cochrane Database of Systematic Reviews	Partial	No	No				F			

		Cochrane Database of								
Bryant-Smith ¹⁸	2018	Systematic Reviews	Full	No	No				F	
•		Cochrane Database of								
Burry ¹⁹	2018	Systematic Reviews	Full	No	No		F	F	F	
		Cochrane Database of								
Campschroer ²⁰	2018	Systematic Reviews	Full	Full	No				F, T	
G 1 21	2010	Cochrane Database of	P. 11	3.7	3.7					
Candy ²¹	2018	Systematic Reviews	Full	No	No			F	F	
Chiew ²²	2018	Cochrane Database of Systematic Reviews	No	No	No					
Cinew	2010	Cochrane Database of	110	140	110					
Das ²³	2018	Systematic Reviews	Full	No	No			F	F	F
		Cochrane Database of								
Demicheli ²⁴	2018	Systematic Reviews	Fulla	Partial	Partial				F, T, E	
		Cochrane Database of								
Demicheli ²⁵	2018	Systematic Reviews	No	No	No					
		Cochrane Database of								
Di Nisio ²⁶	2018	Systematic Reviews	Partial	Partial	No				F, T	
27		Cochrane Database of				_			_	
El-Sayeh ²⁷	2018	Systematic Reviews	Full	No	No	F			F	
T 1 28	2010	Cochrane Database of								
Engelen ²⁸	2018	Systematic Reviews	No	No	No					
E 1 11771 29	2010	Cochrane Database of	T. 11	F 11					Б. Т	
Eshun-Wilson ²⁹	2018	Systematic Reviews	Full	Full	No				F, T	
Essali ³⁰	2018	Cochrane Database of Systematic Reviews	Full	No	No				F	
Essaii	2016	Cochrane Database of	run	NO	NO				I'	
Everitt ³¹	2018	Systematic Reviews	Partial	Partial	No	F, T	F, T	F	F, T	
Eventt	2010	Cochrane Database of	1 artiai	1 ditidi	110	1,1	1,1	1	1,1	
Fanshawe ³²	2017	Systematic Reviews	No	No	No					
		Cochrane Database of								
Franik ³³	2018	Systematic Reviews	Full	Partial	No				F, T	
		Cochrane Database of							,	
González ³⁴	2018	Systematic Reviews	Full	No	No				F	
		Cochrane Database of								
Grabosch ³⁵	2018	Systematic Reviews	No	No	No					
26		Cochrane Database of								
Graves ³⁶	2018	Systematic Reviews	Partial ^b	No	No				F	
37	2010	Cochrane Database of	F. 11	F 11	3.7			E. F.	Б. Т.	
Haas ³⁷	2018	Systematic Reviews	Full	Full	No			F, T	F, T	
Hakoum ³⁸	2018	Cochrane Database of Systematic Reviews	Full	Full	No				F, T	
пакоиш	2018	Cochrane Database of	ruii	ruli	NO				г, 1	
Heras-Mosteiro ³⁹	2017	Systematic Reviews	Partial ^c	Partial ^d	Partial				F, T, E	
Ticias-Wostello	2017	Cochrane Database of	1 attiai	1 artiai	1 artiar				1, 1, L	
Janmaat ⁴⁰	2017	Systematic Reviews	No	No	No					
	201/	Cochrane Database of			0					
Jefferson ⁴¹	2018	Systematic Reviews	Full	No	No				F	
		Cochrane Database of								
Jung ⁴²	2017	Systematic Reviews	Full	Full	Partial			F, T	F, T, E	

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		Cochrane Database of							
Kaempfen ⁴³	2018	Systematic Reviews	No	No	No				
reacmpion	2010	Cochrane Database of	110	110	110				
Kahale ⁴⁴	2017	Systematic Reviews	Full	Full	Partial ^e				F, T, E
		Cochrane Database of							, ,
Kahale ⁴⁵	2018	Systematic Reviews	Full	Partial	No				F, T
		Cochrane Database of							
Kahale ⁴⁶	2018	Systematic Reviews	Full	Partial	No				F, T
47		Cochrane Database of							_
Kapur ⁴⁷	2018	Systematic Reviews	Full	No	No				F
Kelly ⁴⁸	2010	Cochrane Database of	D4:-1f	D4:-1	NT-		F		ЕТ
Keny	2018	Systematic Reviews Cochrane Database of	Partial ^f	Partial	No		F		F, T
Knightly ⁴⁹	2017	Systematic Reviews	Full	No	No				F
Kinghtiy	2017	Cochrane Database of	T uii	110	110				1
Kopsaftis ⁵⁰	2018	Systematic Reviews	No	No	No				
1		Cochrane Database of							
Lawrie ⁵¹	2018	Systematic Reviews	Full	Partial	Partial				F, T, E
		Cochrane Database of							
Leathersich ⁵²	2018	Systematic Reviews	Full	Full	No	F, T	F, T	F, T	F, T
52		Cochrane Database of							
Lethaby ⁵³	2017	Systematic Reviews	Full	No	No			F	F
T / D : 54	2010	Cochrane Database of	F 11	N	N				г
López-Briz ⁵⁴	2018	Systematic Reviews Cochrane Database of	Full	No	No				F
Marchant ⁵⁵	2018	Systematic Reviews	Partial	No	No				F
Marchant	2010	Cochrane Database of	1 di tidi	110	110				1
Matar ⁵⁶	2018	Systematic Reviews	Full	No	No		F		
		Cochrane Database of							
Matar ⁵⁷	2018	Systematic Reviews	Full	Full	No				F, T
		Cochrane Database of							
McNicol ⁵⁸	2018	Systematic Reviews	Full	No	No				F
N. T. 50	2010	Cochrane Database of							
McTague ⁵⁹	2018	Systematic Reviews	No	No	No				
Mhaskar ⁶⁰	2017	Cochrane Database of Systematic Reviews	Full	Full	Partial				F, T, E
Milaskar	2017	Cochrane Database of	ruii	ruii	Partial				г, 1, Е
Milligan ⁶¹	2018	Systematic Reviews	Partial ^g	No	No	F	F		
gui	2010	Cochrane Database of	T di tidi	110	110	•	•		
Monk ⁶²	2017	Systematic Reviews	Full	Full	No			F, T	F, T
		Cochrane Database of						ŕ	ŕ
Montero ⁶³	2018	Systematic Reviews	Partial	No	No		F		
		Cochrane Database of							
Mücke ⁶⁴	2018	Systematic Reviews	Full	Full	Partial			F, T	F, T, E
N. 1.65	2010	Cochrane Database of	3.7	N	3. 7				
Narula ⁶⁵	2018	Systematic Reviews	No	No	No				
Nevitt ⁶⁶	2017	Cochrane Database of Systematic Reviews	Partial	No	No			F	F
INCVILL	2017	Cochrane Database of	ı altıdı	INO	INO			1.	1,
Nevitt ⁶⁷	2018	Systematic Reviews	Full	No	No				F
		,		-	-				

		Cochrane Database of									
Norman ⁶⁸	2018	Systematic Reviews	Full	No	Partial			F	F, E		
		Cochrane Database of									
Normansell ⁶⁹	2018	Systematic Reviews	Full	No^h	No			F	F		
70	• • • •	Cochrane Database of				_	_			_	_
Novoa ⁷⁰	2018	Systematic Reviews	Full	Partial ^h	No	F	F		F, T	F	F
01.1 71	2017	Cochrane Database of	D .: 1	3.7	2.7		F.				
Ohlsson ⁷¹	2017	Systematic Reviews	Partial	No	No		F		F		
Ostinelli ⁷²	2018	Cochrane Database of	Full	No	No		F	F			
Ostinelli	2018	Systematic Reviews Cochrane Database of	ruii	INO	NO		Г	Г			
Ostinelli ⁷³	2018	Systematic Reviews	Partial	Partial	No	F	F, T	F			
Ostmeni	2010	Cochrane Database of	1 di tidi	Tartiar	110		1,1				
Ostuzzi ⁷⁴	2018	Systematic Reviews	Full	Partial	No	F	F, T	F			
		Cochrane Database of				_	-,-	_			
Parker ⁷⁵	2018	Systematic Reviews	No	No	No						
		Cochrane Database of									
Pasquali ⁷⁶	2018	Systematic Reviews	Partial	Partial	No	F, T	F, T	F		F	F
		Cochrane Database of									
Pike ⁷⁷	2018	Systematic Reviews	Full	No	No			F	F		
70		Cochrane Database of									
Rirash ⁷⁸	2017	Systematic Reviews	No	No	No						
D 1 . 79	2017	Cochrane Database of	2.7	•							
Robertson ⁷⁹	2017	Systematic Reviews	No	No	No						
Romero ⁸⁰	2017	Cochrane Database of Systematic Reviews	Full	No	No	F	F	F	F	F	F
Koniero	2017	Cochrane Database of	run	INO	NO	1	Г	Г	Г	r	Г
Rosumeck ⁸¹	2018	Systematic Reviews	Full	Full	No				F, T		
Rosamook	2010	Cochrane Database of	1 611	1 411	110				1,1		
Rüschen ⁸²	2018	Systematic Reviews	Full	Full	No			F, T	F, T		
		Cochrane Database of						,			
Ruthirakuhan83	2018	Systematic Reviews	Full	No	Partial			F	F, E		
		Cochrane Database of									
Sankar ⁸⁴	2018	Systematic Reviews	No	No	No						
05		Cochrane Database of									
Schumann ⁸⁵	2018	Systematic Reviews	Full	Partial	Partial	F, T		F	F, T, E	F, T	F
Simancas- Racines ⁸⁶	2010	Cochrane Database of	E11	E11	NI.	E	F		ЕТ		
Racines	2018	Systematic Reviews Cochrane Database of	Full	Full	No	F	Г	F	F, T		
Smith ⁸⁷	2017	Systematic Reviews	Full	Full	Full	F, T, E	F, T, E				
Silitii	2017	Cochrane Database of	1 uii	I uii	1 uii	1, 1, L	1,1,1				
Smith ⁸⁸	2018	Systematic Reviews	Full	Full	No			F, T	F, T		
5	2010	Cochrane Database of	1 441	1 4411	1.0			1,1	-,-		
Soares-Weiser89	2018	Systematic Reviews	Partial	No	No				F		
		Cochrane Database of									
Squizzato90	2017	Systematic Reviews	Full	Partial ⁱ	No	F	F, T	F		F	
		Cochrane Database of									
St George ⁹¹	2018	Systematic Reviews	Full	Partial	Partial	F, T	F, T, E	F	F, T, E		
G: 97	2017	Cochrane Database of	F 11	27	3.7			F.			г.
Stern ⁹²	2017	Systematic Reviews	Full	No	No			F	F		F

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		Cochrane Database of									
Sturman ⁹³	2017	Systematic Reviews	Full	Full	No	F, T	F, T	F, T			
Tammenmaa-		Cochrane Database of									
Aho ⁹⁴	2018	Systematic Reviews	Partial	No	No				F		
0.5		Cochrane Database of									
Temmingh ⁹⁵	2018	Systematic Reviews	Full	Partial	Partial	F, T	F, T, E	F, T, E	F, T		
T 0 1 96	2010	Cochrane Database of	- ·	F. 11		T. T.			T. T.		
Tenforde ⁹⁶	2018	Systematic Reviews	Full	Full	No	F, T	F, T		F, T		
Toews ⁹⁷	2010	Cochrane Database of	E11	E11	D4:-1		E E	Б	ЕТ		
Toews	2018	Systematic Reviews Cochrane Database of	Full	Full	Partial		F, E	F	F, T		
Venekamp ⁹⁸	2018	Systematic Reviews	Full	Full	No			F	F, T		
Venekamp	2016	Cochrane Database of	run	run	INO			T.	1, 1		
Vermeij ⁹⁹	2018	Systematic Reviews	No	No	No						
vermen	2010	Cochrane Database of	110	110	110						
Vietto ¹⁰⁰	2018	Systematic Reviews	Full	No	No				F	F	
. 10000	2010	Cochrane Database of	1	110	110				-	•	
Wall ¹⁰¹	2018	Systematic Reviews	Full	Full	No	F, T	F	F	F		
		Cochrane Database of				-,-					
Weibel ¹⁰²	2018	Systematic Reviews	Full	No	No			F	F		
		Cochrane Database of									
Wright ¹⁰³	2018	Systematic Reviews	Partial	Partial	No	F	F, T				
		Cochrane Database of									
Xiao ¹⁰⁴	2018	Systematic Reviews	Full	No	No				F		
		Cochrane Database of									
Zhang ¹⁰⁵	2017	Systematic Reviews	Full	No	No	F	F	F	F	F	
106		Cochrane Database of									
Zhou ¹⁰⁶	2017	Systematic Reviews	Full	Full	No			F	F, T	F	
1 1107	2010	Cochrane Database of	n et ti	3.7	3 T						
Zonneveld ¹⁰⁷	2018	Systematic Reviews	Partial ^j	No	No		F				
General Medicino		D) (I	7. 11								
López-López ¹⁰⁸ Wang ¹⁰⁹	2017	BMJ	Full	No	No			F			F
wang. Cipriani ¹¹⁰	2018	BMJ Open	No Full ^k	No	No			F.			F
Cipriani *** Chen ¹¹¹	2018 2018	Lancet Medicine	No	No No	No No			Г			Г
Ding ¹¹²	2018	Medicine	No	No	No						
Guo ¹¹³	2018	Medicine	No	No	No			F			
Han ¹¹⁴	2018	Medicine	No	No	No						
Hu ¹¹⁵	2018	Medicine	No	No	No						
Huang ¹¹⁶	2018	Medicine	Full	Partial	No	F, T					
Iiang 117	2018	Medicine	No	No	No	-, -					
Jiang ¹¹⁸ Khan ¹¹⁹	2018	Medicine	No	No	No						
Khan ¹¹⁹	2018	Medicine	No	No	No						
	2017	Medicine	No	No	No						
Liang ¹²⁰	2010	Medicine	Partial ¹	No	No			F			
Liang ¹²⁰ Liu ¹²¹	2018		NT.	No	No						
Liang ¹²⁰ Liu ¹²¹ Lor ¹²²	2018	Medicine	No	110							
Liang ¹²⁰ Liu ¹²¹ Lor ¹²² Wang ¹²³	2017 2017	Medicine	No	No	No						
Liang ¹²⁰ Liu ¹²¹ Lor ¹²² Wang ¹²³ Wang ¹²⁴	2017 2017 2018	Medicine Medicine	No No	No No	No						
Liang ¹²⁰ Liu ¹²¹ Lor ¹²² Wang ¹²³	2017 2017	Medicine	No	No							

Woo ¹²⁷	2018	Medicine	No	No	No		
Xia ¹²⁸	2018	Medicine	No	No	No		
Yang ¹²⁹	2017	Medicine	No	No	No		
Ye^{130}	2017	Medicine	No	No	No		
Yu^{131}	2018	Medicine	No	No	No		
Yuan ¹³²	2018	Medicine	No	No	No		
Zhang ¹³³	2018	Medicine	No	No	No		
Zhang ¹³⁴ Zhao ¹³⁵	2018	Medicine	No	No	No		
Zhao ¹³⁵	2018	Medicine	No	No	No		
Zhao ¹³⁶	2018	Medicine	No	No	No		
Zhou ¹³⁷	2018	Medicine	No	No	No		
Zhu ¹³⁸	2018	Medicine	No	No	No		
Zhou ¹³⁹	2018	Postgraduate Medicine	No	No	No		
		Revista da Associação					
Zhang ¹⁴⁰	2018	Médica Brasileira	Full	Full ^m	No	F, T	
Specialty medici	ne (n = 100)						
Li ¹⁴¹	2018	Acta Ophthalmologica	Full ⁿ	No	No	F	F
		American Heart					
Tarantini ¹⁴²	2018	Journal	No	No	No		
		American Journal of					
Wang ¹⁴³	2018	Cardiovascular Drugs	No	No	No		
8		Anaesthesia and					
Aman ¹⁴⁴	2018	Intensive Care	No	No	No		
		Autoimmunity					
Li ¹⁴⁵	2018	Reviews	No	No	No		
		Biomed Research					
Wang ¹⁴⁶	2018	International	No	No	No		
Veettil ¹⁴⁷	2017	BMC Cancer	No	No	No		
	2017	BMC Cardiovascular	110	110	110		
Bredemeier ¹⁴⁸	2018	Disorders	Full	No	No		F
		BMC					_
Lyu ¹⁴⁹	2018	Gastroenterology	No	No	No		
Lju	2010	BMC Infectious	110	110	110		
Xing ¹⁵⁰	2017	Diseases	No	No	No		
Aing	2017	BMC Musculoskeletal	110	110	110		
Kuo ¹⁵¹	2018	Disorders	No	No	No		
Beez ¹⁵²	2017	BMC Neurology	No	No	No		
Zeng ¹⁵³	2017	BMC Ophthalmology	No	No	No		
Zong	2017	BMC Pharmacology &	110	110	110		
Bundhun ¹⁵⁴	2017	Toxicology	No	No	No		
Zhang ¹⁵⁵	2017	BMC Psychiatry	No	No	No		
Znang	2017	BMC Pulmonary	110	110	110		
Zhang ¹⁵⁶	2017	Medicine	No	No	No		
Litalig	201/	BMC Pulmonary	110	110	110		
Zhang ¹⁵⁷	2017	Medicine Medicine	Full	No	No		
Ramos-Esquivel ¹⁵	201/	IVICUICIIIC	ı un	110	110		
8	2018	Breast Cancer	No	No	No		
	2018	British Journal of	110	INU	INU		
Zeng ¹⁵⁹	2018		Partial ^o	No	No	F	F
Zeng "	2018	Sports Medicine	raruai"	No	INO	Г	Г

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		Cellular Physiology			
Shui ¹⁶⁰	2018	and Biochemistry	No	No	No
		Clinical Microbiology	· · =		= :=
Rodrigo ¹⁶¹	2018	and Infection	Partial	No	No
· ·		Clinical			
Wang ¹⁶²	2018	Rheumatology	No	No	No
		Critical Reviews in			
162		Oncology /			
Hong ¹⁶³	2018	Hematology	No	No	No
de Carvalho ¹⁶⁴	2018	Diabetes Care	No	No	No
T 0 165		Digestive Diseases and			
Jaafar ¹⁶⁵	2018	Sciences	No	No	No
Liu ¹⁶⁶	2018	Drug Delivery	No	No	No
		Drug Design,			
r · 167	2010	Development and		27	3.7
Liu ¹⁶⁷	2018	Therapy	No	No	No
		Drug Design,			
G 168	2017	Development and	N .		N
Sun ¹⁶⁸	2017	Therapy	No	No	No
Domogola 1-:-169	2017	East Asian Archives of Psychiatry	No	N.	No
Paraschakis169	2017	Psychiatry Emergency Medicine	No	No	No
D'Souza ¹⁷⁰	2018	Journal	No	No	No
D Souza	2018	European Journal of	110	INO	
		Gynecological			
Mei ¹⁷¹	2016	Oncology	No	No	No No No No No No No No No
11101	2010	European Respiratory	1.0	110	110
Verberkt ¹⁷²	2017	Journal	No	No	No
		Expert Opinion on	: -=	9	
Sridharan ¹⁷³	2018	Pharmacotherapy	No	No	No
		Expert Review of			
Habibi ¹⁷⁴	2018	Clinical Pharmacology	No	No	No
		Expert Review of			
Li ¹⁷⁵	2018	Clinical Pharmacology	No	No	No
Sangroongruangsr		Expert Review of			
i ¹⁷⁶	2018	Clinical Pharmacology	Full	No	No
177		Foot and Ankle			
Hickey ¹⁷⁷	2018	Surgery	No	No	No
Zhao ¹⁷⁸	2018	Gastric Cancer	Partial ^p	No	No
Khera ¹⁷⁹	2018	Gastroenterology	No	No	No
Li ¹⁸⁰	2010	Gynecologic	2.7	27	
	2018	Oncology	No	No	No
Zhuge ¹⁸¹	2018	Helicobacter	No	No	No
Kim ¹⁸²	2017	Indian Journal of	No	N	No
Kim'	2017	Cancer	No	No	No
Garg ¹⁸³	2010	Indian Journal of	No	No	No
Rosanova ¹⁸⁴	2018	Gastroenterology	No No	No No	No No
Kosanova	2017	Infectious Diseases Inflammopharmacolog	No	No	No
Yu^{185}	2018	y	No	No	No
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196		International				
Kakkos ¹⁸⁶	2018	Angiology	No	No	No	
		International				
Ou ¹⁸⁷	2018	Immunopharmacology	Full	No	No	F
		International				
Yin ¹⁸⁸	2018	Immunopharmacology	No	No	No	
		International Journal				
Zhu ¹⁸⁹	2018	of Clinical Oncology	No	No	No	
		International Journal				
Liu ¹⁹⁰	2018	of Neuroscience	No	No	No	
		International Journal				
Coccolini ¹⁹¹	2018	of Surgery	No	No	No	
		International Journal				
Fan ¹⁹²	2018	of Surgery	No	No	No	
		International Journal				
Li ¹⁹³	2018	of Surgery	No	No	No	
2.	2010	International Journal		1.0	1.0	
Li ¹⁹⁴	2018	of Surgery	No	No	No	
Li	2010	International Journal	110	NO	110	
Liu ¹⁹⁵	2018	of Surgery	No	No	No	
Liu	2010	International Journal	110	110	110	
Ran ¹⁹⁶	2018	of Surgery	No^q	No	No	
Kali	2016	International Journal	NO.	INO	110	
Zhao ¹⁹⁷	2018		No	No	No	
Znao	2018	of Surgery	NO	NO		
Zhu ¹⁹⁸	2010	International Journal	M.	M-	No No No	
Znu	2018	of Surgery	No	No	No	
100	2010	Journal of Affective				
Wagner ¹⁹⁹	2018	Disorders	Partial	No	No	F
		Journal of Assisted				
200		Reproduction and				
Hickman ²⁰⁰	2018	Genetics	No	No	No	
		Journal of Cancer				
201		Research and Clinical				F F
Luo ²⁰¹	2018	Oncology	No	No	No	
		Journal of Cancer				
		Research and Clinical				
Wang ²⁰²	2018	Oncology	Partial ^r	No	No	F F
		Journal of Cancer				
		Research and				
Wang ²⁰³	2018	Therapeutics	No	No	No	
		Journal of Cardiac				
Aboul-Hassan ²⁰⁴	2017	Surgery	No	No	No	
		Journal of				
		Cardiovascular				
Wang ²⁰⁵	2018	Surgery	No	No	No	
Ç		Journal of Clinical				
		Endocrinology and				
Barrionuevo ²⁰⁶	2018	Metabolism	Full	No	No	F
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1									
2									
3			Journal of Clinical						
4			Pharmacy and						
	Cui ²⁰⁷	2018	Therapeutics	Fulls	No	No	F		
5			Journal of						
6			Dermatological						
7	Sawyer ²⁰⁸	2018	Treatment	No	No	No			
8			Journal of Emergency						
9	Markey ²⁰⁹	2018	Medicine	No	No	No			
			Journal of						
10	Szabó ²¹⁰	2017	Gastrointestinal and	NI.	No	No			
11	Szabo	2017	Liver Diseases Journal of	No	NO	No			
12	Su ²¹¹	2018	Immunology Research	No	No	No			
13	Su	2010	Journal of	110	140	110			
14			Interventional Cardiac						
15	Chen ²¹²	2018	Electrophysiology	No	No	No			
			Journal of Orthopaedic						
16	Chen ²¹³	2017	Surgery and Research	No	No	No			
17			Journal of Orthopaedic						
18	Li^{214}	2018	Surgery and Research	No	No	No			
19	÷ 215	2010	Journal of Orthopaedic						
	Luo ²¹⁵	2018	Surgery and Research	No	No	No			
20	Ma^{216}	2018	Journal of Orthopaedic Surgery and Research	No	No	No			
21	IVIa	2018	Journal of Psychiatric	INO	INO	NO			
22	He ²¹⁷	2018	Research	Full	No	No			F
23	110	2010	Journal of Stroke &	1 411	110	110		-	
24			Cerebrovascular						
25	Wang ²¹⁸	2018	Diseases	No	No	No			
			Journal of the						
26	210		American Academy of						
27	Dhana ²¹⁹	2018	Dermatology	No	No	No			
28			Journal of the						
29	Karatasakis ²²⁰	2017	American Heart Association	No	No	No			
30	Karatasakis	2017	Journal of the	INO	INO	NO			
			European Academy of						
31			Dermatology and						
32	Kuo ²²¹	2018	Venereology	Full	No	No			
33			Journal of Traditional						
34	Liu ²²²	2016	Chinese Medicine	No	No	No			
35			Journal of Zhejiang						
36			University-SCIENCE						
	Zheng ²²³	2017	В	No	No	No			
37	Fregonese ²²⁴	2019	Lancet Respiratory	No	Nα	No			
38	Pornetoin ²²⁵	2018 2018	Medicine Neurological Sciences	No No	No No	No No			
39	Bornstein ²²⁵ Chen ²²⁶	2018	Ophthalmic Research	No No	No No	No No			
40	Han ²²⁷	2018	Pain Physician	No	No	No			
41	Peng ²²⁸	2017	Pain Physician	No	No	No			
	J		•						
42									
43									

Feng ²²⁹ Xu ²³⁰	2016	Pharmazie	No	No	No		
$Xu^{2\bar{3}0}$	2016	Pharmazie	No	No	No		
		PLOS Neglected					
Palmeirim ²³¹	2018	Tropical Diseases	No	No	No		
		Psychotherapy and					
Furukawa ²³²	2018	Psychosomatics	No	No	No		
Liu ²³³	2018	Renal Failure	No	No	No		
Miravitlles ²³⁴	2017	Respiratory Research	Full	No	No		F
Wang ²³⁵	2017	Respiratory Research	No	No	No		
-		Rheumatology					
Kawalec ²³⁶	2018	International	No	No	No		
Malhotra ²³⁷	2018	Stroke	No	No	No		
		Surgical Laparoscopy					
		Endoscopy &					
		Percutaneous					
Zhang ²³⁸	2018	Techniques	No	No	No		
Yamashita ²³⁹	2018	Thrombosis Research	No	No	Partial	E	
Zhang ²⁴⁰	2018	Vaccine	No	No	No		
Other $(n = 10)$				\sim			
		Medical Science					
Chen ²⁴¹	2018	Monitor	No	No	No		
Arteagoitia ²⁴² Feng ²⁴³	2018	PLOS ONE	No	No	No		
Feng ²⁴³	2018	PLOS ONE	No	No	No		
Kawakami ²⁴⁴	2018	PLOS ONE	No	No	No		
Li ²⁴⁵	2018	PLOS ONE	No	No	No		
Lin ²⁴⁶	2017	PLOS ONE	No	No	No		
Ling ²⁴⁷	2018	PLOS ONE	No	No	No		
248	2017	PLOS ONE	No	No	No		
Rohner ²⁴⁸	2017	I LOS ONE	110	110			
Rohner ²⁴⁹ Sethi ²⁴⁹ Wolf ²⁵⁰	2017	PLOS ONE	Partial	No	No	F	

"Funding sources categorized as government funded, industry funded, or mixed for most trials. Specific details about funding were reported for 2 trials and details on author ties and employment were reported for a single trial; bAuthors reported extracting funding sources from included RCTs but funding sources are only reported for a single study; Reported funding sources for all included studies except for one; Reported author financial ties for all included studies except for 2; Non-industry author employment reported for some included RCTs; Funding sources and author ties reported for all included RCTs except one that was a conference abstract; Funding sources only reported for a single RCT; Authors reported whether or not included RCTs had decaled COI (yes, no) and, if yes, indicated the page of the original study the declaration could be found on. This was coded as partially reporting because the nature of these COI was not reported within the meta-analysis publication itself and it was unclear whether these were financial ties and whether they were with industry; Non-industry author financial ties reported for some included RCTs; A single RCT was reported as 'industry sponsored' with no specifics about the sponsor; Authors coded studies as sponsored by industry or not, and any of author industry affiliation, industry funding, or data obtained from pharmaceutical company qualified an RCT as 'sponsored'; Authors report that 'some trials had a high risk of reporting bias because they were sponsored by pharmaceutical companies' but do not specify which or even how many trials; Authors reported that all included RCTs had authors with financial ties to industry but provided no further information; Reported whether each included RCT was industry funded (yes or no) but provided no further information; For some analyses the authors reported how many included RCTs were non-commercially funded and present results including only non-commercially funded trials, but do not provide further information; For some analyses

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PRISMA 2009 Checklist

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	N/A
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	3,4
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	5,6
8 Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	6
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	6
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	6,7
7 Information sources 8	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	7
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	eMethods1
2 Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	6-8
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	8-10
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	8-12
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	N/A
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	3, 10,11
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I²) for each meta-analysis. For peer review only - http://bmjopen.bmj.com/site/about/guidelines.xhtml	10,11

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PRISMA 2009 Checklist

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Section/topic	#	Checklist item	Reported on page #
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	N/A
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	11
RESULTS			
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	12, Figure 1
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	12, 13, 26, 27 (Table 1)
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	N/A
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	N/A
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	N/A
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	N/A
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	28 (Table 2)
DISCUSSION			
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	15-17
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	17
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	15-17
FUNDING			
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	19

44 From: Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(6): e1000097. doi:10.1371/journal.pmed1000097

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