

## PECs block for postoperative analgesia

**Supplementary Table 1. PRISMA Statement**

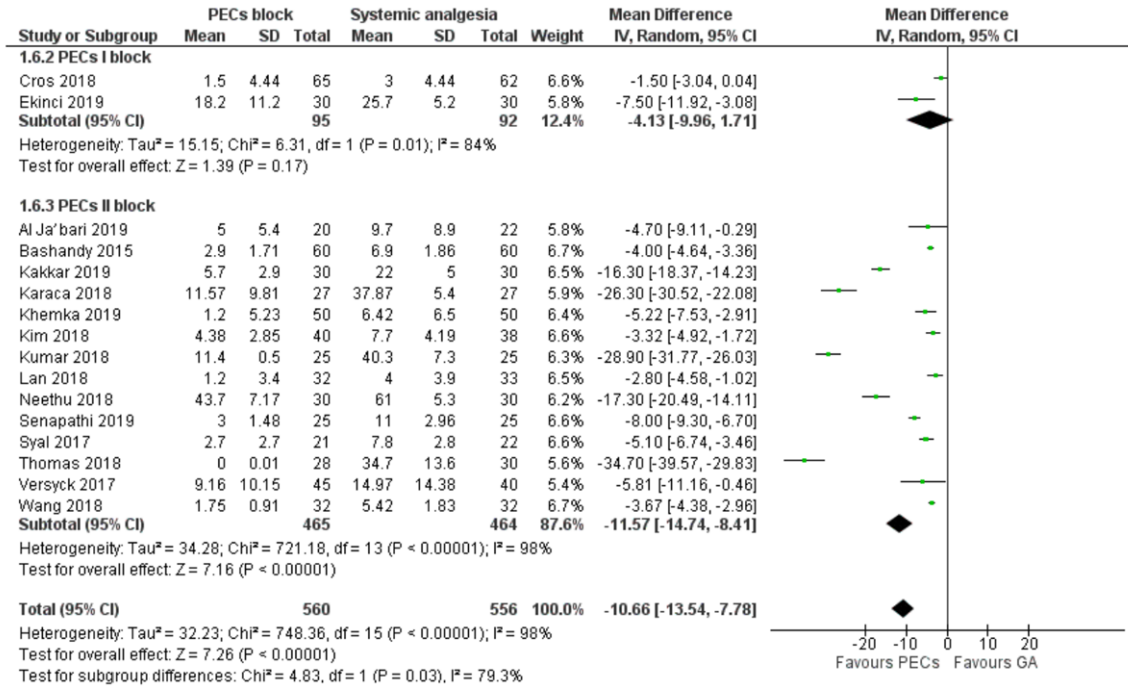
Section/topic	# Checklist item	Reported on page #
<b>TITLE</b>		
Title	1 Identify the report as a systematic review, meta-analysis, or both.	1
<b>ABSTRACT</b>		
Structured summary	2 Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	2
<b>INTRODUCTION</b>		
Rationale	3 Describe the rationale for the review in the context of what is already known.	5
Objectives	4 Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	5
<b>METHODS</b>		
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.	N/a
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.	5
Information sources	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.	5
Search	8 Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	5
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).	5
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.	6-7
Data items	11 List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	7
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.	7 and <b>Figure 2</b>
Summary measures	13 State the principal summary measures (e.g., risk ratio, difference in means).	7
Synthesis of results	14 Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I <sup>2</sup> ) for each meta-analysis.	7-8
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).	7
Additional analyses	16 Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	8
<b>RESULTS</b>		
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.	8 and <b>Figure 1</b>
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.	<b>Table 1</b>
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).	8 and <b>Figure 2</b>
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.	<b>Figures 3-5, Supplementary Figures</b>

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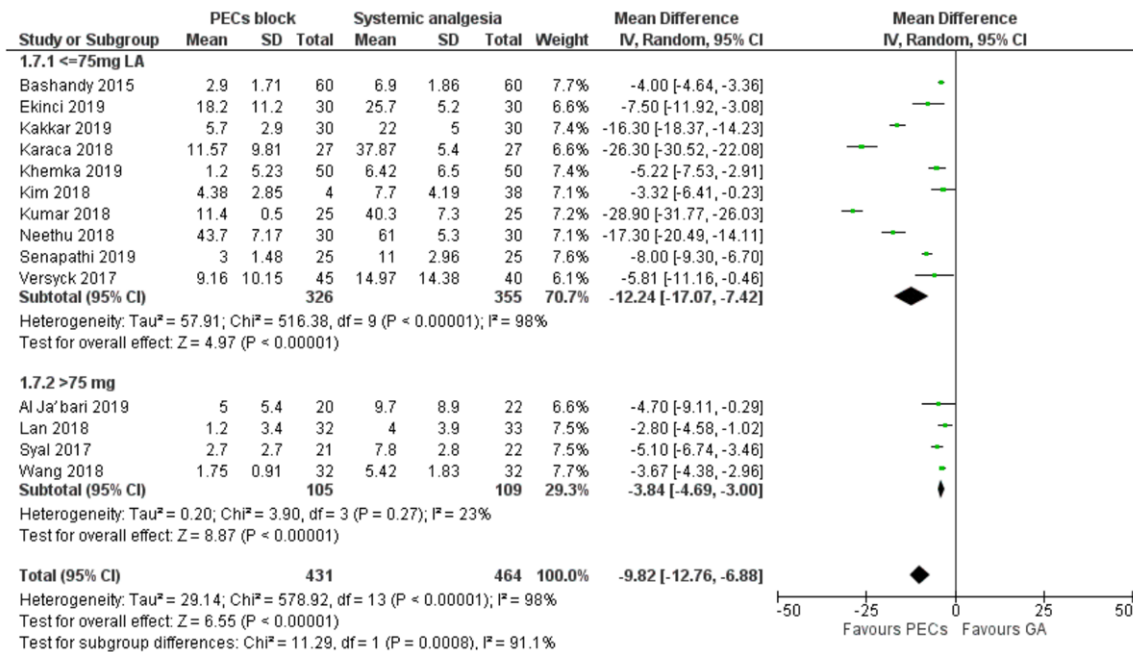
Synthesis of results	21 Present results of each meta-analysis done, including confidence intervals and measures of consistency.	8-10, <b>Table 1</b> , <b>Figures 3-5</b> , Supplementary Figures
Risk of bias across studies	22 Present results of any assessment of risk of bias across studies (see Item 15).	<b>Figure 2</b>
Additional analysis	23 Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	<b>Table 1</b> , Supplementary Figure.
<b>DISCUSSION</b>		
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).	10-13
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).	12
Conclusions	26 Provide a general interpretation of the results in the context of other evidence, and implications for future research.	13
<b>FUNDING</b>		
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.	13

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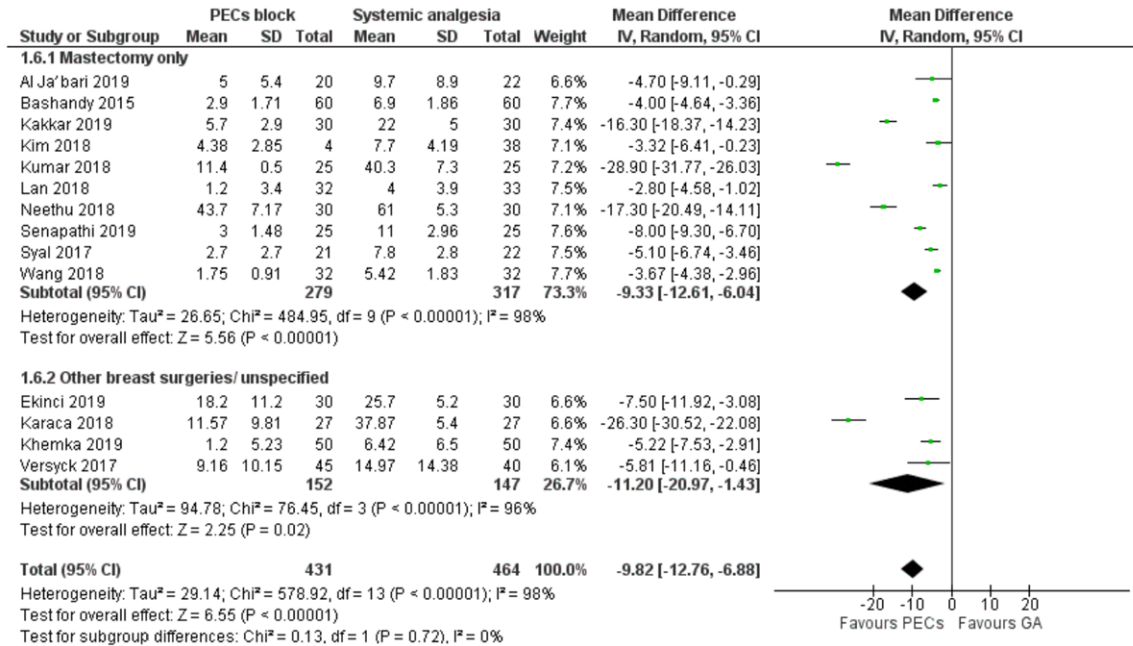


**Supplementary Figure 1.** Subgroup analysis of 24-hour opioid requirement of PECs I studies compared to PECs II studies.

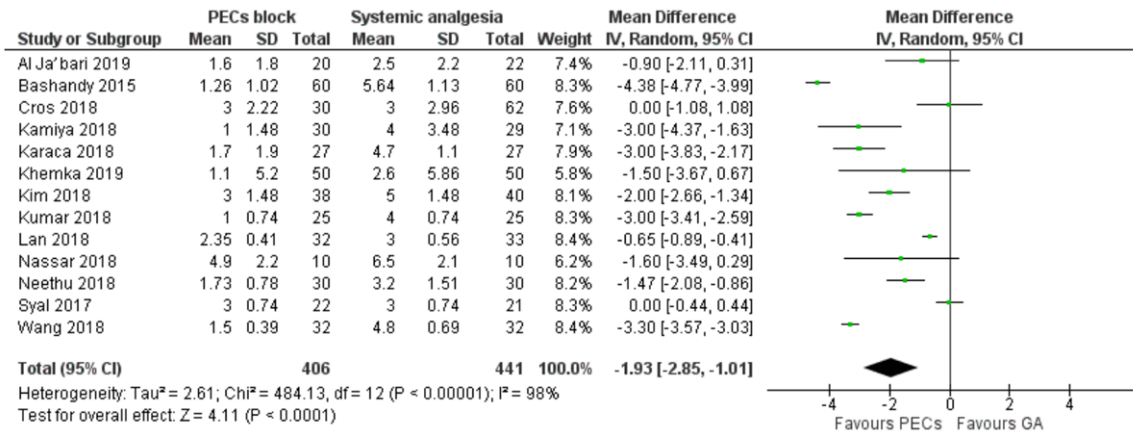


**Supplementary Figure 2.** Subgroup analysis of 24-hour opioid requirement according to the dose of local anesthetics used for the PECs block, studies was divided at the 75 mg threshold.

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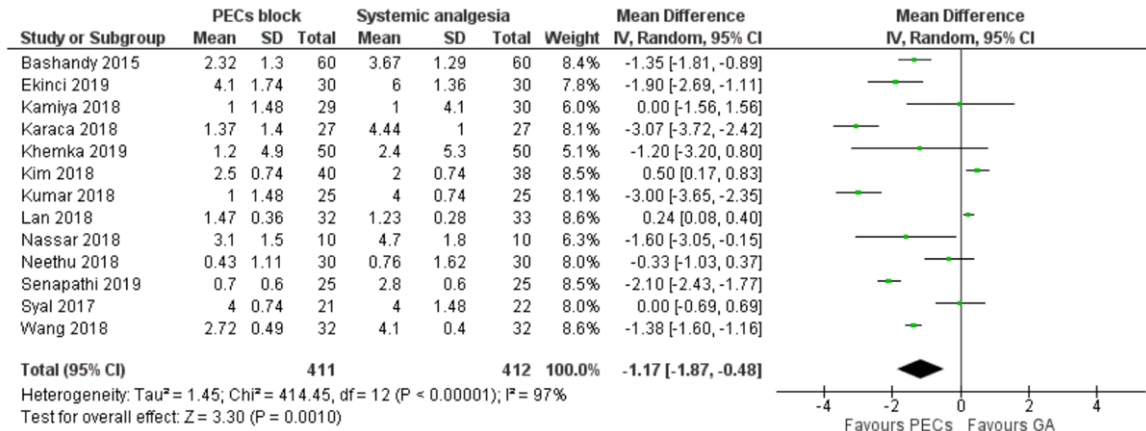


**Supplementary Figure 3.** Subgroup analysis of 24-hour opioid requirement according to the surgeries included, studies with only modified radical mastectomy were group separately to those which included all breast cancer surgery.

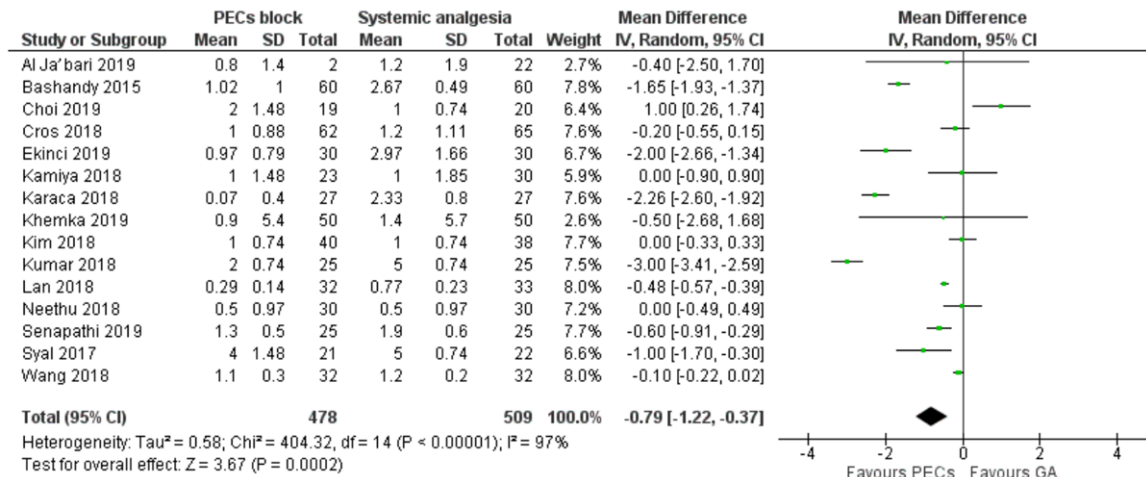


**Supplementary Figure 4.** Forest plot comparing the Numerical rating scale (NRS) of PECs and systemic analgesia cohorts in PACU.

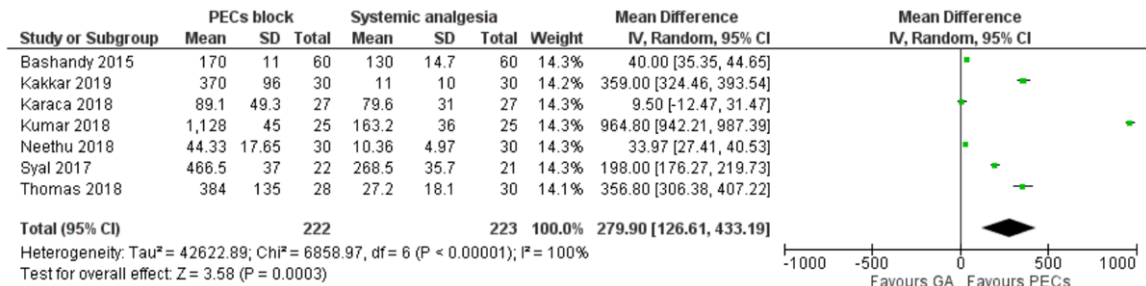
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Supplementary Figure 5. Forest plot comparing the Numerical rating scale (NRS) of PECs and systemic analgesia cohorts 4-6 hours postoperatively.



Supplementary Figure 6. Forest plot comparing the Numerical rating scale (NRS) of PECs and systemic analgesia cohorts 24 hours postoperatively.



Supplementary Figure 7. Forest plot comparing the time to rescue analgesia (min) in the PECs and systemic analgesia cohort.