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Mifepristone for induction of labour (Review)

Hapangama D, Neilson JP

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[Intervention Review]

Mifepristone for induction of labour

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ABSTRACT

Background

The steroid hormone, progesterone, inhibits contractions of the pregnant uterus at all gestations. Antiprogestins (including mifepristone) have been developed to antagonise the action of progesterone, and have a recognised role in medical termination of early or mid-trimester pregnancy. Animal studies have suggested that mifepristone may also have a role in inducing labour in late pregnancy.

Objectives

To determine the effects of mifepristone for third trimester cervical ripening or induction of labour.

Search methods

We searched the Cochrane Pregnancy and Childbirth Group's Trials Register and reference lists of relevant papers (May 2009).

Selection criteria

Clinical trials comparing mifepristone used for third trimester cervical ripening or labour induction with placebo/no treatment or other labour induction methods.

Data collection and analysis

A strategy was developed to deal with the large volume and complexity of trial data relating to labour induction. This involved a two-stage method of data extraction. For this update, two review authors independently assessed trial quality and extracted data.

Main results

Ten trials (1108 women) are included. Compared to placebo, mifepristone treated women were more likely to be in labour or to have a favourable cervix at 48 hours (risk ratio (RR) 2.41, 95% confidence intervals (CI) 1.70 to 3.42) and this effect persisted at 96 hours (RR 3.40, 95% CI 1.96 to 5.92). They were less likely to need augmentation with oxytocin (RR 0.80, 95% CI 0.66 to 0.97). Mifepristone treated women were less likely to undergo caesarean section (RR 0.74, 95% CI 0.60 to 0.92) but more likely to have an instrumental delivery (RR 1.43, 95% CI 1.04 to 1.96). Women receiving mifepristone were less likely to undergo a caesarean section as a result of failure to induce labour (RR 0.40, 95% CI 0.20 to 0.80). There is insufficient evidence to support a particular dose but a single dose of 200 mg mifepristone appears to be the lowest effective dose for cervical ripening (increased likelihood of cervical ripening at 72 hours (RR 2.13, 95% CI 1.15 to 3.97). Abnormal fetal heart rate patterns were more common after mifepristone treatment (RR 1.85, 95% CI 1.17 to 2.93), but there was no evidence of differences in other neonatal outcomes. There is insufficient information on the occurrence of uterine rupture/dehiscence in the reviewed studies.



Authors' conclusions

There is insufficient information available from clinical trials to support the use of mifepristone to induce labour. However, the studies suggest that mifepristone is better than placebo in reducing the likelihood of caesarean sections being performed for failed induction of labour; therefore, this may justify future trials comparing mifepristone with the routine cervical ripening agents currently in use. There is little information on effects on the baby.

PLAIN LANGUAGE SUMMARY

Mifepristone for induction of labour

Not enough evidence on the effects of mifepristone (RU 486) to induce labour.

The female sex hormone, progesterone stops the uterus contracting during pregnancy. Drugs such as mifepristone have been used to stop the action of this hormone, either to induce labour or to allow the pregnancy to be terminated. The review of ten trials (1108 women) found there is not enough evidence to support the use of mifepristone to induce labour. There is little information about adverse effects for the mother or baby. However, there is evidence that mifepristone can reduce the need for a caesarean so further research is needed.



BACKGROUND

The female steroid sex hormone, progesterone, inhibits contractility of the uterus. A new class of pharmacological agents (antiprogestins) has been developed to antagonise the action of progesterone. Of these, mifepristone (also called RU 486) is best known. Mifepristone is a 19 nor-steroid which has greater affinity for progesterone receptors than does progesterone itself. It thus blocks the action of progesterone at the cellular level. The pharmacokinetics of mifepristone are characterised by rapid absorption and a long half-life of 25 to 30 hours (Heikinheimo 1997). Key metabolites also have high affinity to progesterone receptors.

Mifepristone now has an established role in termination of pregnancy (in combination with prostaglandins) during the early first, and the second trimesters (Van Look 1995). Mifepristone is also being investigated as a possible contraceptive agent (both for planned and emergency contraception) (Hapangama 2003).

Mifepristone has potential also as a method of inducing labour in late pregnancy through its actions in antagonising progesterone, thus increasing uterine contractility and by increasing the sensitivity of the uterus to the actions of prostaglandins. Mifepristone has been shown to induce labour in rats (Fang 1997), through opposition to progesterone-induced suppression of oxytocin receptors, and enhanced synthesis of prostaglandins. Mifepristone has also been shown to induce preterm birth in mice, associated with a rise in prostaglandins and cyokines (Dudley 1996). A randomised-controlled trial in beef heifers found a mean time to delivery of 43 hours after mifepristone administration, compared to 182 hours in placebo treated controls (Dlamini 1995); interestingly, retained placenta was a problem in the experimental group. In a primate model (the macaque), mifepristone administration induced prostaglandin F2alpha production by decidua, but not prostaglandin E2 production by amnion (Haluska 1994).

In women, mifepristone combined with subsequent prostaglandins is also being commonly used for labour induction after fetal death in later pregnancy (Fairley 2005). The data from women undergoing termination of early pregnancy have shown that mifepristone is more effective in nulliparous women (Bartley 2000).

There is, thus, reason to anticipate from animal studies and termination studies in human pregnancies that mifepristone might prove an effective method of inducing labour in late human pregnancy.

This review is one of a series of reviews of methods of labour induction using a standardised protocol. For more detailed information on the rationale for this methodological approach, please refer to the published generic protocol (Hofmeyr 2003b).

OBJECTIVES

To determine, from the best available evidence, the effectiveness and safety of mifepristone for third trimester cervical ripening and induction of labour.

METHODS

Criteria for considering studies for this review

Types of studies

Clinical trials comparing mifepristone for cervical ripening or labour induction, with placebo/no treatment or other methods listed above it on a predefined list of methods of labour induction (see 'Methods'); the trials included some form of random allocation to either group; and they reported one or more of the prestated outcomes.

Types of participants

Pregnant women due for third trimester induction of labour, carrying a viable fetus.

Predefined subgroup analyses are (*see* list below): previous caesarean section or not; nulliparity or multiparity; membranes intact or ruptured, and cervix unfavourable, favourable or undefined. Only those outcomes with data will appear in the analysis tables.

Types of interventions

Mifepristone compared with placebo/no treatment or any other method above it on the predefined list of methods of labour induction.

Types of outcome measures

Clinically relevant outcomes for trials of methods of cervical ripening/labour induction have been prespecified by two authors of labour induction reviews (Justus Hofmeyr and Zarko Alfirevic). Differences were settled by discussion.

Five primary outcomes were chosen as being most representative of the clinically important measures of effectiveness and complications. Subgroup analyses were limited to the primary outcomes:

- (1) vaginal delivery not achieved within 24 hours;
- (2) uterine hyperstimulation with fetal heart rate (FHR) changes;(3) caesarean section;

(4) serious neonatal morbidity or perinatal death (e.g. seizures, birth asphyxia defined by trialists, neonatal encephalopathy, disability in childhood);

(5) serious maternal morbidity or death (e.g. uterine rupture, admission to intensive care unit, septicemia).

Perinatal and maternal morbidity and mortality are composite outcomes. This is not an ideal solution because some components are clearly less severe than others. It is possible for one intervention to cause more deaths but less severe morbidity. However, in the context of labour induction at term this is unlikely. All these events will be rare, and a modest change in their incidence will be easier to detect if composite outcomes are presented. The incidence of individual components will be explored as secondary outcomes (see below).

Secondary outcomes relate to measures of effectiveness, complications and satisfaction:

Measures of effectiveness:

(6) cervix unfavourable/unchanged after 12 to 24 hours;(7) oxytocin augmentation.

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Complications:

- (8) uterine hyperstimulation without fetal heart rate changes;(9) uterine dehiscence/rupture;
- (10) epidural analgesia;
- (11) instrumental vaginal delivery;
- (12) meconium-stained liquor;
- (13) Apgar score less than seven at five minutes;
- (14) neonatal intensive care unit admission;
- (15) neonatal encephalopathy;
- (16) perinatal death;
- (17) disability in childhood;
- (18) maternal side effects;
- (19) nausea;
- (20) vomiting;
- (21) diarrhoea;
- (22) other;

(23) postpartum haemorrhage (as defined by the trial authors);(24) serious maternal complications (e.g. intensive care unit admission, septicaemia but excluding uterine rupture);(25) maternal death.

Measures of satisfaction: (26) woman not satisfied; (27) caregiver not satisfied.

While all the above outcomes were sought, only those with data appear in the analysis tables.

The terminology of uterine hyperstimulation is problematic (Curtis 1987). In these reviews we will use the term 'uterine hyperstimulation without FHR changes' to include uterine tachysystole (> 5 contractions per 10 minutes for at least 20 minutes) and uterine hypersystole/hypertonus (a contraction lasting at least two minutes) and 'uterine hyperstimulation with FHR changes' to denote uterine hyperstimulation syndrome (tachysystole or hypersystole with fetal heart rate changes such as persistent decelerations, tachycardia or decreased short-term variability).

Outcomes were included in the analysis if: reasonable measures were taken to minimise observer bias, and data were available for analysis according to original allocation.

Search methods for identification of studies

Electronic searches

We searched the Cochrane Pregnancy and Childbirth Group's Trials Register by contacting the Trials Search Co-ordinator (May 2009).

The Cochrane Pregnancy and Childbirth Group's Trials Register is maintained by the Trials Search Co-ordinator and contains trials identified from:

- 1. quarterly searches of the Cochrane Central Register of Controlled Trials (CENTRAL);
- 2. weekly searches of MEDLINE;
- 3. handsearches of 30 journals and the proceedings of major conferences;
- 4. weekly current awareness alerts for a further 44 journals plus monthly BioMed Central email alerts.

Details of the search strategies for CENTRAL and MEDLINE, the list of handsearched journals and conference proceedings, and the list

of journals reviewed via the current awareness service can be found in the 'Specialized Register' section within the editorial information about the Cochrane Pregnancy and Childbirth Group.

Trials identified through the searching activities described above are each assigned to a review topic (or topics). The Trials Search Coordinator searches the register for each review using the topic list rather than keywords.

The original search was performed simultaneously for all reviews of methods of inducing labour, as outlined in the generic protocol for these reviews (Hofmeyr 2003b).

Searching other resources

We searched the reference lists of trial reports and reviews by hand.

We did not apply any language restrictions.

Data collection and analysis

A strategy was developed to deal with the large volume and complexity of trial data relating to labour induction. Many methods have been studied, in many different subgroups with particular characteristics such as nulliparous women, or those with ruptured membranes. Most trials are intervention-driven, comparing two or more methods in various categories of women. Clinicians and parents need the data arranged by category of woman, to be able to choose which method is best for a particular clinical scenario. To extract these data from several hundred trial reports in a single step would be very difficult. We therefore developed a two-stage method of data extraction. The initial data extraction was carried out in a series of reviews arranged by methods of induction of labour, following a standardised methodology. For the methods used when assessing the trials identified in the previous version of this review, *see* Appendix 1.

To avoid duplication of data in the primary reviews, the labour induction methods have been listed in a specific order, from one to 27. Each primary review includes comparisons between one of the methods (from two to 27) with only those methods above it on the list. Thus, this review of mifepristone will include only comparisons with interventions 1 to 14 (placebo - oral prostaglandins). Methods identified in the future will be added to the end of the list. The current list is as follows:

(1) placebo/no treatment; (2) vaginal prostaglandins (Kelly 2003); (3) intracervical prostaglandins (Boulvain 2008); (4) intravenous oxytocin (Kelly 2001b); (5) amniotomy (Bricker 2000); (6) intravenous oxytocin with amniotomy (Howarth 2001); (7) vaginal misoprostol (Hofmeyr 2003a); (8) oral misoprostol (Alfirevic 2006); (9) mechanical methods including extra-amniotic Foley catheter (Boulvain 2001); (10) membrane sweeping (Boulvain 2005); (11) extra-amniotic prostaglandins (Hutton 2001); (12) intravenous prostaglandins (Luckas 2000); (13) oral prostaglandins (French 2001); (14) mifepristone (Neilson 2000); (15) estrogens (Thomas 2001); (16) corticosteroids (Kavanagh 2006b); (17) relaxin (Kelly 2001c);

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- (18) hyaluronidase (Kavanagh 2006a);
- (19) castor oil, bath, and/or enema (Kelly 2001a);
- (20) acupuncture (Smith 2004);
- (21) breast stimulation (Kavanagh 2005);
- (22) sexual intercourse (Kavanagh 2001);
- (23) homoeopathic methods (Smith 2003);
- (24) nitric oxide (Kelly 2008a);
- (25) buccal or sublingual misoprostol (Muzonzini 2004);
- (26) hypnosis;
- (27) other methods for induction of labour.

The reviews are analysed by the following subgroups:

(1) previous caesarean section or not;

- (2) nulliparity or multiparity;
- (3) membranes intact or ruptured;
- (4) cervix favourable, unfavourable or undefined.

For this update, we used the following methods when assessing the trials identified by the updated search:

Selection of studies

The review authors independently assessed for inclusion all the potential studies we identified as a result of the search strategy. We resolved any disagreement through discussion.

Data extraction and management

We designed a form to extract data. For eligible studies, both review authors extracted the data using the agreed form. We resolved discrepancies through discussion or, if required, we would have consulted a third person. Data were entered into Review Manager software (RevMan 2008) and checked for accuracy.

When information regarding any of the above was unclear, we attempted to contact authors of the original reports to provide further details.

Assessment of risk of bias in included studies

Both review authors independently assessed risk of bias for each study using the criteria outlined in the *Cochrane Handbook for Systematic Reviews of Interventions* (Higgins 2008). Any disagreement was resolved by discussion or by involving a third assessor.

(1) Sequence generation (checking for possible selection bias)

We described for each included study the method used to generate the allocation sequence in sufficient detail to allow an assessment of whether it should produce comparable groups.

We assessed the method as:

- adequate (any truly random process e.g. random number table; computer random number generator),
- inadequate (any non random process e.g. odd or even date of birth; hospital or clinic record number) or
- unclear.

(2) Allocation concealment (checking for possible selection bias)

For each included study we described the method used to conceal the allocation sequence in sufficient detail and determined whether intervention allocation could have been foreseen in advance of, or during recruitment, or changed after assignment.

We assessed the methods as:

- adequate (e.g. telephone or central randomisation; consecutively numbered sealed opaque envelopes);
- inadequate (open random allocation; unsealed or non-opaque envelopes, alternation; date of birth);
- unclear.

(3) Blinding (checking for possible performance bias)

For each included study we described the methods used, if any, to blind study participants and personnel from knowledge of which intervention a participant received. Studies were judged at low risk of bias if they were blinded, or if we judged that the lack of blinding could not have affected the results. Blinding was assessed separately for different outcomes or classes of outcomes.

We assessed the methods as:

- adequate, inadequate or unclear for participants;
- adequate, inadequate or unclear for personnel;
- adequate, inadequate or unclear for outcome assessors.

(4) Incomplete outcome data (checking for possible attrition bias through withdrawals, dropouts, protocol deviations)

We described for each included study, and for each outcome or class of outcomes, the completeness of data including attrition and exclusions from the analysis. We stated whether attrition and exclusions were reported, the numbers included in the analysis at each stage (compared with the total randomised participants), reasons for attrition or exclusion where reported, and whether missing data were balanced across groups or were related to outcomes. Where sufficient information was reported, or were supplied by the trial authors, we re-included missing data in the analyses which we undertook. We assessed methods as:

- adequate;
- inadequate:
- unclear.

(5) Selective reporting bias

We described for each included study how we investigated the possibility of selective outcome reporting bias and what we found.

We assessed the methods as:

- adequate (where it was clear that all of the study's pre-specified outcomes and all expected outcomes of interest to the review have been reported);
- inadequate (where not all the study's pre-specified outcomes have been reported; one or more reported primary outcomes were not pre-specified; outcomes of interest are reported incompletely and so cannot be used; study fails to include results of a key outcome that would have been expected to have been reported);
- unclear.

(6) Other sources of bias

We described for each included study any important concerns we had about other possible sources of bias.

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We assessed whether each study was free of other problems that could put it at risk of bias:

- yes;
- no;
- unclear.

(7) Overall risk of bias [See table 8.5c in the Handbook]

We made explicit judgements about whether studies were at high risk of bias, according to the criteria given in the Handbook (Higgins 2008). With reference to (1) to (6) above, we assessed the likely magnitude and direction of the bias and whether we considered it was likely to impact on the findings.

Measures of treatment effect

Dichotomous data

For dichotomous data, we presented results as summary risk ratio with 95% confidence intervals.

Continuous data

For continuous data, we used the mean difference if outcomes are measured in the same way between trials. We used the standardised mean difference to combine trials that measure the same outcome, but used different methods.

Dealing with missing data

The included studies did not have high levels of missing data.

Assessment of heterogeneity

We used the I² statistic to measure heterogeneity among the trials in each analysis. If we identified substantial heterogeneity we explored it by pre-specified subgroup analysis.

Assessment of reporting biases

Where we suspected reporting bias (see selective reporting bias above), we attempted to contact study authors asking them to provide missing outcome data. Where this was not possible, and the missing data were thought to introduce serious bias, the impact of including such studies in the overall assessment of results was explored by a sensitivity analysis.

Data synthesis

We carried statistical analysis using the Review Manager software (RevMan 2008).

Subgroup analysis and investigation of heterogeneity

We carried out the following subgroup analyses:

- 1. All primiparous women
- 2. All women with unfavourable cervix
- 3. Women with pre-labour rupture of membranes beyond 36 weeks of gestation with unfavourable cervix
- 4. Women who had previous caesarean section with unfavourable cervix
- 5. Women who had dose of 50 mg mifepristone
- 6. Women who had dose of 100 mg mifepristone
- 7. Women who had dose of 200 mg mifepristone

- 8. Women who had dose of 400 mg mifepristone
- 9. Women who had dose of 600 mg mifepristone

The following outcomes were used in subgroup analysis: caesarean sections, uterine dehiscence or rupture, maternal side effects, Apgar scores less than seven at five minutes, admission to the neonatal intensive care unit, and uterine hyperstimulation. Non-overlapping confidence intervals indicate a statistically significant difference in treatment effect between the subgroups.

Sensitivity analysis

We did not feel it was necessary to carry out a sensitivity analysis.

RESULTS

Description of studies

Details of the studies are listed in the 'Characteristics of included studies' table. Doses of mifepristone varied in different trials. Most studies compared mifepristone with placebo. We have identified only one trial that compared mifepristone with an active induction agent - oxytocin.

Risk of bias in included studies

The methodological quality of the trials appeared high.

Effects of interventions

Ten trials, that recruited 1108 women, are included. Eight trials compared mifepristone with placebo, one compared mifepristone with no treatment, and another compared mifepristone with oxytocin.

There is evidence, from the trials, that mifepristone does induce both ripening of the cervix, and labour. Compared to placebo, mifepristone treated women were more likely to be in labour or to have a favourable cervix at 48 hours (risk ratio (RR) 2.41, 95% confidence intervals (CI) 1.70 to 3.42) and this effect was persisted at 72 (RR 1.87, 95% CI 1.03 to 3.40) and 96 hours (RR 3.40, 95% CI 1.96 to 5.92). They were less likely to need augmentation with oxytocin (RR 0.80, 95% CI 0.66 to 0.97). There are data on caesarean section rates from all ten included trials. Mifepristone treated women were less likely to undergo caesarean section (RR 0.74, 95% CI 0.60 to 0.92) but more likely to have an instrumental delivery (RR 1.43, 95% CI 1.04 to 1.96). It was of further interest that women receiving mifepristone were less likely to undergo a caesarean section as a result of failure to induce labour (RR 0.40, 95% CI 0.20 to 0.80). There is insufficient evidence to support a particular dose but a single dose of 200 mg mifepristone appears to be the lowest effective dose for cervical ripening (increased likelihood of cervical ripening at 72 hours (RR 2.13, 95% CI 1.15 to 3.97). Not all studies reported on fetal outcome, although abnormal fetal heart rate patterns were more common after mifepristone treatment (RR 1.85, 95% CI 1.17 to 2.93), although there was no evidence of differences in admission to a neonatal intensive care unit (NICU) (RR 1.11, 95% CI 0.72 to 1.71) or of neonates having Apgar scores less than seven at five minutes (RR 0.64, 95% CI 0.24 to1.74). There was no evidence that neonatal hypoglycaemia might be more common after exposure to mifepristone (it antagonises the action of glucocorticoids as well as progesterone), (RR 1.10, 95% CI 0.77 to 1.57). The incidence of all reported adverse events was higher in women receiving mifepristone than placebo (RR 1.51, 95%

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Cl 1.06 to 2.15) however, these seem to be mainly minor gastrointestinal upsets (nausea, diarrhoea and vomiting). A further study (Wing 2003) has compared the use of mifepristone to oxytocin in inducing labour in pregnancies beyond 36 weeks with prelabour rupture of membranes and women after mifepristone were less likely to have a vaginal delivery within 24 hours (RR 0.30, 95% Cl 0.10 to 0.88) and their babies had an increased likelihood of neonatal adverse outcomes with more NICU admissions (RR 4.83, 95% Cl 1.20 to 19.44), and abnormal fetal heart rate patterns (RR 5.63, 95% Cl 1.11 to 28.52). There is insufficient information on the occurrence of uterine rupture/dehiscence particularly when used in women who had previously undergone a caesarean section in the reviewed studies.

DISCUSSION

See authors' conclusions.

AUTHORS' CONCLUSIONS

Implications for practice

There is insufficient information available from clinical trials to support the use of mifepristone to induce labour.

Implications for research

However, available data do show that mifepristone is better than placebo at ripening the cervix or inducing labour. There is evidence of a possible reduction in the incidence of caesarean section following mifepristone treatment (compared to placebo) that would justify further trials. There are no trial data that we have found (except for the one trial comparing mifepristone to oxytocin which did not show an advantage of mifepristone over oxytocin) that compare mifepristone with other methods of suitable cervical ripening/labour induction, e.g. prostaglandins. Any such comparison should assess formally the views of women recruited. If, for example, mifepristone were to produce less rapid onset of labour, but a process more akin to natural labour, then that might generate either frustration or satisfaction.

Theoretically, mifepristone has appeal as a method of inducing labour in women with previous caesarean section (if that is deemed important) as it does not involve administering exogenous oxytocic drugs that have the potential to over-stimulate, and even rupture, the uterus. More work is this area may be justified. A single-dose therapy of 200 mg is likely to be the preferred dose for such trial.

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* Indicates the major publication for the study

Mifepristone for induction of labour (Review)

CHARACTERISTICS OF STUDIES

Characteristics of included studies [ordered by study ID]

Berkane 2005

Methods	ouble-blind placebo controlled trial. 'Randomised'. Method unspecified.	
Participants	346 women with cephalic, singleton pregnancies at term (37 - 41 + 3 weeks' gestation) with an indica- tion for induction of labour and an unfavourable cervix.	
Interventions	There were 6 intervention groups: oral mifepristone 50 mg (N = 59), oral mifepristone 100 mg (N = 55), oral mifepristone 200 mg (N = 60), oral mifepristone 400 mg (N = 56), oral mifepristone 600 mg (N = 59) and placebo (N = 57). Single-dose therapy. Primary end point was the onset of labour at 45 or 54 hours post-treatment.	
Outcomes	Sample size calculated from primary outcome measure onset of labour or Bishop score > 6 by 54 hours post-treatment. Secondary measures of obstetrics, maternal, neonatal, and endocrine outcomes.	
Notes	8 centre study in France, 35 patients were excluded from the analysis of efficacy but included in the analysis of tolerability. Authors were contacted and additional data on the outcomes of women with previous caesarean delivery, and the indication for caesarean sections are included.	
Risk of bias		

Bias	Authors' judgement	Support for judgement
Adequate sequence gener- ation?	Unclear risk	Quote: "Patients were randomly allocated". No further information presented in the paper.
Allocation concealment?	Unclear risk	Unclear. No information given in the paper.
Blinding? All outcomes	Low risk	Quotes: "double-blind study"; "Each patient received a bottle containing 5 active or placebo tablets". Comment: probably done but unclear for personnel and outcome assessors.
Incomplete outcome data addressed? All outcomes	Low risk	Quote: "Thirty-five patients were excluded from the analysis of efficacy but not from the analysis of tolerability".
Free of selective report- ing?	Low risk	All outcome data were reported or supplied by the authors on request.
Free of other bias?	Low risk	Trial completed to include the intended sample size

Elliot 1998

Methods	"Predetermined randomisation code". Double-blind.	
Participants	80 primigravid women, aged between 18 and 40 years, with normal, live, single baby with cephalic pre- sentation. Gestation between 37 and 41.5 weeks, based on early ultrasound scan. Indication for induc- tion of labour and Bishop score =/< 4.	
Interventions	There were 3 intervention groups: oral mifepristone 50 mg (N = 25), oral mifepristone 200 mg (N = 25), placebo (N = 30). Single-dose therapy. Women were seen (on outpatient basis) at 24, 48, and 72 hours, and labour was induced by vaginal prostaglandins at 72 hours if labour had not occurred by then.	

Mifepristone for induction of labour (Review)



Elliot 1998 (Continued)			
Outcomes	Sample size calculated from primary outcome measure of 'spontaneous labour' or Bishop score > 6. The neonates were studied specifically for hypoglycaemia (definition: < 2.2 mmol/l).		
Notes	Dose in mifespristone group increased after interim analysis, from 50 to 200 mg. Further 5 control women recruited in second phase of trial.		
Risk of bias			
Bias	Authors' judgement	Support for judgement	
Allocation concealment?	Low risk	A - Adequate	

Frydman 1992

Methods	Double-blind randomised-controlled trial. Tablets prepared by pharmacy. Randomisation based on permutation blocks of 4.
Participants	120 women with indication for induction of labour between 37 and 41 weeks. Bishop score < 4. Exclu- sion: medical conditions, non-vertex presentation, > 1 previous caesarean section, multiple pregnancy, premature rupture of membranes. 112 women included in analyses: <i>see</i> Notes.
Interventions	Mifepristone 200 mg orally for 2 days, or placebo. All women observed daily for 4 days; if not then in labour, induction by vaginal prostaglandins (cervix still unfavourable) or artificial rupture of mem- branes and oxytocin (favourable cervix).
Outcomes	Duration of labour, obstetric and neonatal outcome, PGE2 tablets, oxytocin dose, neonatal glucose and blood pressure on days 1 and 2.
Notes	8 women required delivery by CS at < 12 hours after initial treatment because of fetal distress or severe hypertension (3 mifepristone; 5 placebo). They were not included in analyses. Preliminary results on 62 women published in Lancet letter. Full results published in French in 1993.

Risk of bias

Bias	Authors' judgement	Support for judgement
Adequate sequence gener- ation?	Low risk	Quote: "women were randomly allocated". Comment: "detailed information included in paper".
Allocation concealment?	Low risk	Adequate. "Used a balanced randomisation list obtained by premutation block".
Blinding? All outcomes	Low risk	Adequate, as placebo and mifepristone tablets were visually identical and ex- ternally produced.
Incomplete outcome data addressed? All outcomes	High risk	8 patients excluded (3 in mifepristone group and 5 in placebo group) as they required caesareans for medical reasons within 12 hours.
Free of selective report- ing?	Low risk	Adequate. All listed outcomes were reported on
Free of other bias?	Low risk	

Mifepristone for induction of labour (Review)



Giacalone 1998

Methods	Randomised sequence from computer - supply of drug supplied from pharmacy. Double blind.	
Participants	84 women with post-term pregnancies (> 41+ weeks). Unfavourable cervices (Bishop score < 6). Exclu- sions: contraindication to vaginal delivery, multiple pregnancy, previous classical CS, high multiparity, premature rupture of membranes, fetal heart rate abnormalities, impaired renal, adrenal, or hepatic function, corticosteroid or anticoagulant treatment. The records of 1 woman went missing leaving 83 for analyses.	
Interventions	Single-dose mifepristone 400 mg (41), or placebo (42). If not in labour after 48 hours, labour induced by artifial rupture of membranes and oxytocin (if Bishop score > 5) or 'usual method of induction (if Bishop score < 6).	
Outcomes	Obstetric, maternal, ne	eonatal.
Notes	2 centre study in Franc	e (Montpellier and Nantes).
Risk of bias		
Bias	Authors' judgement	Support for judgement
Allocation concealment?	Low risk	A - Adequate

Lelaidier 1994

Methods	Randomised sequence from computer - supply of drug supplied from pharmacy.	
Participants	32 women with one previous child delivered by lower segment caesarean section, and indication for planned delivery (pre-eclampsia 7; IUGR 4; post-term 21) and Bishop score < 3. Exclusions: non-vertex, multiple pregnancies, ruptured membranes, previous vaginal delivery.	
Interventions	Mifepristone 200 mg, or placebo, given on days 1 and 2. Labour induced (by prostaglandins or ARM + oxytocin) day 4 if woman not in labour by then.	
Outcomes	Obstetric, maternal, neonatal.	
Notes		
Risk of bias		
Bias	Authors' judgement	Support for judgement
Adequate sequence gener- ation?	Low risk	Adequate: "women were randomly allocated". Similar to the authors previous study (Frydman 1992)". Comment: Probably done.
Allocation concealment?	Low risk	Adequate: "Used a balanced randomisation list obtained by premutation block".
Blinding? All outcomes	Low risk	Adequate: "Double blind procedure". Placebo and mifepristone tablets were visually identical and externally produced.

Incomplete outcome data Low risk No exclusions. All participants were reported for all outcomes. addressed?

Mifepristone for induction of labour (Review)



Lelaidier 1994 (Continued) All outcomes

Free of selective report- ing?	Low risk	Adequate as data complete.
Free of other bias?	Low risk	

Stenlund 1999

Methods	Prenumbered, sealed boxes containing either mifepristone or placebo. Boxes opened sequentially.	
Participants	36 women with indication for planned delivery. Various parities. Single pregnancy; head presentation; intact membranes; unfavourable cervix (Bishop score =/< 5). All women were =/> 42 weeks from early ultrasound (16-17 weeks) estimation.	
Interventions	Planned 2:1 randomisation to 400 mg mifepristone (N = 24) or placebo (N = 12). If labour had not start- ed within 48 hours, labour was induced with intracervical prostaglandins.	
Outcomes	Sample size calculation based on labour and/or favourable cervix within 48 hours of treatment.	
Notes		
Risk of bias		
Bias	Authors' judgement	Support for judgement
Allocation concealment?	Low risk	A - Adequate

Su 1996

Methods	"Randomised". Method unspecified.	
Participants	124 women with indication for induction of labour. Ages 20-35; primigravid women with singleton preg- nancies and cephalic presentation.	
Interventions	Mifepristone 50 mg orally 12 hourly up a maximum dose of 200 mg. Control group women had no initial treatment, but were observed in hospital for 2 days. Women who were not in labour after 48 hours were given either oxytocin (50% either group) or vaginal prostaglandin (50% both groups).	
Outcomes	Clinical, endocrine.	
Notes		
Risk of bias		
Bias	Authors' judgement	Support for judgement
Allocation concealment?	Unclear risk	B - Unclear

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Thakur 2005	
Methods	'"Randomised". Method unspecified.
Participants	50 post-dates primips with gestation beyond 41 weeks, with cervical length \geq 2.5 cm on ultrasound on post-dates pre-induction assessment.
Interventions	Single-dose mifepristone 400 mg (N = 25) or placebo (N = 25) was given 48 h before the induction of labour.
Outcomes	Obstetrics (favourable cervix at 48 h, onset of spontaneous labour, time from tablet to delivery, mode of delivery), no fetal outcomes.
Notes	Results are only published as an abstract form, authors were contacted and further data will be pub- lished when available.

Risk of bias

Bias	Authors' judgement	Support for judgement
Adequate sequence gener- ation?	Unclear risk	Inadequate data, published only as an abstract. No reply from authors.
Allocation concealment?	Unclear risk	"Randomly assigned".
Blinding? All outcomes	Unclear risk	Quote: "Double blind" without any further information.
Incomplete outcome data addressed? All outcomes	Unclear risk	No reply from authors.
Free of selective report- ing?	Unclear risk	No reply from authors.
Free of other bias?	Unclear risk	No reply from authors.

Wing 2000

Methods	"Randomly assigned".	
Participants	180 women beyond 41 weeks, with unfavourable cervices and indication for induction of labour.	
Interventions	Single-dose mifepristone 200 mg (97) or placebo (83). Vaginal misoprostol was given after 24 hours if not in labour.	
Outcomes	Obstetric, neonatal.	
Notes	Unexplained difference in numbers between the 2 groups.	
Risk of bias		
Bias	Authors' judgement	Support for judgement
Adequate sequence gener- ation?	Low risk	Adequate: "randomly allocated". Further detailed information provided such as the use of sequentially numbered lists. Comment: probably done.

Mifepristone for induction of labour (Review)

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Wing	2000	(Continued)

0		
Allocation concealment?	Low risk	Adequate. Quote: "computer generated randomisation list".
Blinding? All outcomes	Low risk	Adequate. Third party packaging of placebo and mifepristone in concealed se- quentially numbered envelopes.
Incomplete outcome data addressed? All outcomes	Low risk	Adequate. None withdrawn and none were excluded from data analysis.
Free of selective report- ing?	Low risk	All outcomes were reported.
Free of other bias?	Low risk	Study completed.

Wing 2005

Methods		random-number sequence in sealed, opaque envelopes. Participants random-	
	ly allocated to sequential study number to get either mifepristone or standard regimen of intravenous oxytocin.		
Participants	65 women with spontaneous prelabour rupture of membranes beyond 36 weeks of gestation, and cer- vical dilatation < 3 cm.		
Interventions	Single dose of 200 mg mifepristone (N = 33) or IV oxytocin (N = 32). If labour has not started within 18 hours, labour was induced with oxytocin IV in the mifepristone group.		
Outcomes	Obstetric, neonatal.		
Notes	Previous CS excluded.		
Risk of bias			
Bias	Authors' judgement	Support for judgement	
Adequate sequence gener- ation?	Low risk	Adequate: "randomly allocated to the computer generated random number sequence".	
Allocation concealment?	Low risk	Adequate: "treatment assignments were placed in opaque, concealed and se- quentially numbered envelopes".	
Blinding? All outcomes	High risk	Neither the participants or the personnel were blinded to the treatment re- ceived.	
Incomplete outcome data addressed? All outcomes	Low risk	Adequate as all participants completed the study and none were excluded in data analysis.	
Free of selective report- ing?	Low risk	Adequate as all outcomes were reported.	
Free of other bias?	Low risk	Study completed.	

CS: caesarean section h: hours

Mifepristone for induction of labour (Review)



IUGR: intrauterine growth retardation IV: intravenous

Characteristics of excluded studies [ordered by study ID]

Study	Reason for exclusion
Cabrol 1990	Induction of labour was for intrauterine death - this topic will be reviewed elsewhere.
Jiang 1997	Effect of mifepristone can not be determined since comparison was between oral mifepristone and misoprostol with IV prostaglandins and oxytocin infusion.
Li 1996	From English language abstract, does not seem to be randomised trial.
Padayachi 1988	All women had intrauterine fetal deaths. After 72 hours, 8/12 had delivered following mifepristone 200 mg BD cf 2/12 after placebo.

IV: intravenous

DATA AND ANALYSES

Comparison 1. (1.1) Mifepristone (all doses) versus placebo/no treatment: all women

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Vaginal delivery within 24 hours	1	180	Risk Ratio (M-H, Fixed, 95% CI)	1.47 [0.61, 3.55]
2 Abnormal fetal heart rate pattern	5	721	Risk Ratio (M-H, Fixed, 95% CI)	1.60 [1.12, 2.29]
3 Caesarean section	9	1043	Risk Ratio (M-H, Fixed, 95% CI)	0.74 [0.60, 0.92]
5 Labour/cervical ripening within 54 hours	1	346	Risk Ratio (M-H, Fixed, 95% CI)	1.02 [0.74, 1.40]
7 Oxytocin augmentation	5	499	Risk Ratio (M-H, Fixed, 95% CI)	0.80 [0.66, 0.97]
8 Abnormal neonatal follow-up findings	3	458	Risk Ratio (M-H, Fixed, 95% Cl)	1.30 [0.61, 2.75]
9 Uterine dehiscence/rupture	2	378	Risk Ratio (M-H, Fixed, 95% Cl)	1.18 [0.16, 8.61]
10 Epidural analgesia	1	112	Risk Ratio (M-H, Fixed, 95% Cl)	0.87 [0.73, 1.03]
11 Instrumental vaginal delivery	7	814	Risk Ratio (M-H, Fixed, 95% CI)	1.43 [1.04, 1.96]

Mifepristone for induction of labour (Review)



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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
12 Meconium-stained liquor	3	650	Risk Ratio (M-H, Fixed, 95% CI)	0.89 [0.60, 1.32]
13 Apgar score < 7 at 5 minutes	4	721	Risk Ratio (M-H, Fixed, 95% CI)	0.64 [0.23, 1.74]
14 Neonatal intensive care unit admission	4	689	Risk Ratio (M-H, Fixed, 95% CI)	1.11 [0.72, 1.71]
15 Neonatal jaundice	1	346	Risk Ratio (M-H, Fixed, 95% CI)	2.17 [0.81, 5.80]
16 Perinatal death	7	869	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
17 Neonatal respiratory distress	1	346	Risk Ratio (M-H, Fixed, 95% CI)	3.55 [0.48, 26.06]
18 Maternal adverse effects (all)	4	734	Risk Ratio (M-H, Fixed, 95% CI)	1.51 [1.06, 2.15]
19 Nausea	1	124	Risk Ratio (M-H, Fixed, 95% CI)	17.0 [1.00, 288.28]
20 Vomiting	1	124	Risk Ratio (M-H, Fixed, 95% CI)	13.0 [0.75, 225.90]
21 Diarrhoea	2	144	Risk Ratio (M-H, Fixed, 95% CI)	4.83 [0.24, 98.34]
23 Uterine hyperstimulation	5	721	Risk Ratio (M-H, Fixed, 95% CI)	2.28 [0.97, 5.35]
24 Vaginal delivery within 48 hours	1	180	Risk Ratio (M-H, Fixed, 95% CI)	1.43 [1.15, 1.78]
25 Caesarean section for unsuccessful labour induction	5	759	Risk Ratio (M-H, Fixed, 95% CI)	0.43 [0.23, 0.81]
26 Caesarean section for CTG abnormalities	7	844	Risk Ratio (M-H, Fixed, 95% CI)	1.35 [0.85, 2.13]
27 Caesarean section for arrested labour	7	844	Risk Ratio (M-H, Fixed, 95% CI)	0.72 [0.48, 1.09]
28 Labour/cervical ripening within 48 hours	4	293	Risk Ratio (M-H, Fixed, 95% CI)	2.41 [1.70, 3.42]
29 Labour/cervical ripening within 72 hours	1	80	Risk Ratio (M-H, Fixed, 95% CI)	1.87 [1.03, 3.40]
30 Labour/cervical ripening within 96 hours	2	144	Risk Ratio (M-H, Fixed, 95% CI)	3.40 [1.96, 5.92]

Mifepristone for induction of labour (Review)



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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
31 Neonatal hypoglycaemia	5	653	Risk Ratio (M-H, Fixed, 95% CI)	1.10 [0.77, 1.57]
32 Neonatal seizures	2	382	Risk Ratio (M-H, Fixed, 95% Cl)	1.56 [0.07, 35.67]

Analysis 1.1. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 1 Vaginal delivery within 24 hours.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, Fi	ixed, 9	95% CI				M-H, Fixed, 95% CI
Wing 2000	12/97	7/83			_		ł	-		100%	1.47[0.61,3.55]
Total (95% CI)	97	83			-			-		100%	1.47[0.61,3.55]
Total events: 12 (Treatment), 7 (Contro	l)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.85(P=0.4)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.2. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 2 Abnormal fetal heart rate pattern.

Study or subgroup	Mifepristone	Placebo	Risk Ratio	Weight	Risk Ratio	
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% Cl	
Berkane 2005	46/289	6/57	- +	24.88%	1.51[0.68,3.37]	
Elliot 1998	18/50	4/30	├ ─ + ──	12.41%	2.7[1.01,7.23]	
Giacalone 1998	17/41	17/42		41.69%	1.02[0.61,1.72]	
Lelaidier 1994	2/16	2/16		4.96%	1[0.16,6.25]	
Wing 2000	18/97	6/83		16.05%	2.57[1.07,6.17]	
Total (95% CI)	493	228	•	100%	1.6[1.12,2.29]	
Total events: 101 (Mifepristor	ne), 35 (Placebo)					
Heterogeneity: Tau ² =0; Chi ² =	5.34, df=4(P=0.25); I ² =25.08%					
Test for overall effect: Z=2.56	(P=0.01)					
	Favo	urs experimental 0.	01 0.1 1 10	100 Favours control		

Favours experimental 0.01 0.1 1 10 100 Favours control

Analysis 1.3. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 3 Caesarean section.

Study or subgroup	Treatment	Control		Risk Ratio						Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	89/289	22/57				•+				27.76%	0.8[0.55,1.16]
Elliot 1998	11/50	8/30				•				7.55%	0.83[0.37,1.82]
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Mifepristone for induction of labour (Review)



Study or subgroup	Treatment	Control		Risk Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% C	I		M-H, Fixed, 95% CI
Frydman 1992	18/57	18/55		+		13.84%	0.96[0.56,1.65]
Giacalone 1998	7/41	6/42		+	_	4.48%	1.2[0.44,3.25]
Lelaidier 1994	5/16	8/16	-			6.04%	0.63[0.26,1.5]
Stenlund 1999	4/24	3/12				3.02%	0.67[0.18,2.51]
Su 1996	10/62	17/62				12.84%	0.59[0.29,1.18]
Thakur 2005	10/25	13/25				9.82%	0.77[0.42,1.42]
Wing 2000	9/97	18/83				14.65%	0.43[0.2,0.9]
Total (95% CI)	661	382		•		100%	0.74[0.6,0.92]
Total events: 163 (Treatment), 11	3 (Control)						
Heterogeneity: Tau ² =0; Chi ² =4.71,	, df=8(P=0.79); I ² =0%						
Test for overall effect: Z=2.71(P=0	.01)						
	Fi	avours treatment	0.1 0.2	0.5 1 2	5 10	Favours control	

Analysis 1.5. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 5 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	129/289	25/57				-				100%	1.02[0.74,1.4]
Total (95% CI)	289	57				\blacklozenge				100%	1.02[0.74,1.4]
Total events: 129 (Treatment), 25 (Cor	ntrol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.11(P=0.91)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.7. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 7 Oxytocin augmentation.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% Cl
Elliot 1998	20/50	14/30	+	15.03%	0.86[0.51,1.43]
Frydman 1992	7/60	17/60		14.6%	0.41[0.18,0.92]
Giacalone 1998	19/41	25/42		21.21%	0.78[0.52,1.18]
Stenlund 1999	17/24	9/12	+	10.3%	0.94[0.62,1.43]
Wing 2000	44/97	42/83		38.87%	0.9[0.66,1.22]
Total (95% CI)	272	227	•	100%	0.8[0.66,0.97]
Total events: 107 (Treatment), 1	L07 (Control)				
Heterogeneity: Tau ² =0; Chi ² =3.8	36, df=4(P=0.43); I ² =0%				
Test for overall effect: Z=2.22(P=	=0.03)				
	Fa	avours treatment 0	.1 0.2 0.5 1 2 5	¹⁰ Favours control	

Analysis 1.8. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 8 Abnormal neonatal follow-up findings.

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Study or subgroup	Treatment	Control			Risk Ratio			Weight	Risk Ratio	
	n/N	n/N n/N				% CI			M-H, Fixed, 95% CI	
Berkane 2005	25/289	5/57						75.86%	0.99[0.39,2.47]	
Giacalone 1998	5/38	2/38						18.16%	2.5[0.52,12.1]	
Stenlund 1999	1/24	0/12			+		_	5.98%	1.56[0.07,35.67]	
Total (95% CI)	351	107			•			100%	1.3[0.61,2.75]	
Total events: 31 (Treatment),	7 (Control)									
Heterogeneity: Tau ² =0; Chi ² =1	1.02, df=2(P=0.6); l ² =0%									
Test for overall effect: Z=0.67(P=0.5)						1			
	Fa	avours treatment	0.01	0.1	1	10	100	Favours control		

Analysis 1.9. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 9 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control			Ri	sk Rati	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	3/289	0/57	←						\rightarrow	45.45%	1.4[0.07,26.74]
Lelaidier 1994	1/16	1/16	←			-			-	54.55%	1[0.07,14.64]
Total (95% CI)	305	73								100%	1.18[0.16,8.61]
Total events: 4 (Treatment), 1 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0.0	03, df=1(P=0.87); I ² =0%										
Test for overall effect: Z=0.16(P	=0.87)			1					1		
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.10. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 10 Epidural analgesia.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			М-Н, Р	ixed,	95% CI				M-H, Fixed, 95% CI
Frydman 1992	44/57	49/55				-+-				100%	0.87[0.73,1.03]
Total (95% CI)	57	55				•				100%	0.87[0.73,1.03]
Total events: 44 (Treatment), 49 (Contr	ol)										- / -
Heterogeneity: Not applicable											
Test for overall effect: Z=1.67(P=0.1)											
	E	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	



Analysis 1.11. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 11 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	80/289	9/57		27.25%	1.75[0.94,3.28]
Elliot 1998	14/50	6/30		13.59%	1.4[0.6,3.25]
Frydman 1992	20/57	17/55		31.36%	1.14[0.67,1.93]
Giacalone 1998	9/42	6/42		10.88%	1.5[0.59,3.84]
Lelaidier 1994	5/16	4/16		7.25%	1.25[0.41,3.82]
Stenlund 1999	8/24	1/12		2.42%	4[0.56,28.4]
Su 1996	3/62	4/62	+	7.25%	0.75[0.18,3.21]
Total (95% CI)	540	274	•	100%	1.43[1.04,1.96]
Total events: 139 (Treatment), 47	(Control)				
Heterogeneity: Tau ² =0; Chi ² =3.01	, df=6(P=0.81); l ² =0%				
Test for overall effect: Z=2.22(P=0	.03)				

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 1.12. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 12 Meconium-stained liquor.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI								M-H, Fixed, 95% CI
Berkane 2005	41/289	14/57				_				59.95%	0.58[0.34,0.99]
Su 1996	11/62	7/62			_	-	•	_		17.94%	1.57[0.65,3.79]
Wing 2000	11/97	8/83				+				22.1%	1.18[0.5,2.79]
Total (95% CI)	448	202				•				100%	0.89[0.6,1.32]
Total events: 63 (Treatment), 29) (Control)										
Heterogeneity: Tau ² =0; Chi ² =4.5	5, df=2(P=0.11); I ² =55.55%										
Test for overall effect: Z=0.58(P=	=0.56)										
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.13. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 13 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% Cl							M-H, Fixed, 95% CI
Berkane 2005	7/289	4/57			+	_				92.54%	0.35[0.1,1.14]
Frydman 1992	0/57	0/55									Not estimable
Giacalone 1998	0/41	0/42									Not estimable
Wing 2000	2/97	0/83						+	→	7.46%	4.29[0.21,88.03]
Total (95% CI)	484	237					-			100%	0.64[0.23,1.74]
Total events: 9 (Treatment), 4 (Co	ontrol)										
Heterogeneity: Tau ² =0; Chi ² =2.54	4, df=1(P=0.11); I ² =60.68%										
Test for overall effect: Z=0.88(P=0	0.38)										
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Mifepristone for induction of labour (Review)



Analysis 1.14. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 14 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			М-Н, Р	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	63/289	10/57			-					48.59%	1.24[0.68,2.27]
Elliot 1998	0/50	1/30	-	+						5.43%	0.2[0.01,4.82]
Giacalone 1998	5/41	4/42				+				11.5%	1.28[0.37,4.44]
Wing 2000	13/97	11/83				-				34.49%	1.01[0.48,2.14]
Total (95% CI)	477	212				-	•			100%	1.11[0.72,1.71]
Total events: 81 (Treatment), 2	26 (Control)										
Heterogeneity: Tau ² =0; Chi ² =1.	.35, df=3(P=0.72); I ² =0%										
Test for overall effect: Z=0.48(F	P=0.63)										
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.15. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 15 Neonatal jaundice.

Study or subgroup	Treatment	Control	Risk Ra	tio	Weight	Risk Ratio	
	n/N	n/N	M-H, Fixed,	95% CI		M-H, Fixed, 95% Cl	
Berkane 2005	44/289	4/57	+	1	100%	2.17[0.81,5.8]	
Total (95% CI)	289	57			100%	2.17[0.81,5.8]	
Total events: 44 (Treatment), 4 (Control)						
Heterogeneity: Not applicable							
Test for overall effect: Z=1.54(P=0.12)					1		
	-		0.01 0.1 1	10 10			

Favours treatment 0.01 0.1 1 10 100 Favours control

Analysis 1.16. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 16 Perinatal death.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl		M-H, Fixed, 95% CI
Berkane 2005	0/289	0/57			Not estimable
Elliot 1998	0/50	0/30			Not estimable
Frydman 1992	0/55	0/57			Not estimable
Giacalone 1998	0/41	0/42			Not estimable
Lelaidier 1994	0/16	0/16			Not estimable
Stenlund 1999	0/24	0/12			Not estimable
Wing 2000	0/97	0/83			Not estimable
Total (95% CI)	572	297			Not estimable
Total events: 0 (Treatment), 0 (Contro	ι)				
Heterogeneity: Not applicable					
Test for overall effect: Not applicable					
	Fa	avours treatment 0	0.1 0.2 0.5 1 2 5	¹⁰ Favours control	



Analysis 1.17. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 17 Neonatal respiratory distress.

Study or subgroup	Treatment	Treatment Control			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 95 ^o	% CI			M-H, Fixed, 95% Cl
Berkane 2005	18/289	1/57				+		100%	3.55[0.48,26.06]
Total (95% CI)	289	57						100%	3.55[0.48,26.06]
Total events: 18 (Treatment), 1	(Control)								
Heterogeneity: Tau ² =0; Chi ² =0,	df=0(P<0.0001); I ² =100%								
Test for overall effect: Z=1.25(P	=0.21)								
	Fa	vours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 1.18. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 18 Maternal adverse effects (all).

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio	
	n/N n/N		M-H, Fixed, 95% Cl		M-H, Fixed, 95% Cl	
Berkane 2005	111/289	21/57	<mark></mark>	94.95%	1.04[0.72,1.51]	
Frydman 1992	2/57	0/55		1.38%	4.83[0.24,98.34]	
Lelaidier 1994	2/12	1/16		2.32%	2.67[0.27,26.09]	
Su 1996	14/124	0/124		1.35%	29[1.75,480.86]	
Total (95% CI)	482	252	•	100%	1.51[1.06,2.15]	
Total events: 129 (Treatment), 2	2 (Control)					
Heterogeneity: Tau ² =0; Chi ² =8.9	2, df=3(P=0.03); I ² =66.38%					
Test for overall effect: Z=2.3(P=0	.02)					

 Favours treatment
 0.1
 0.2
 0.5
 1
 2
 5
 10
 Favours control

Analysis 1.19. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 19 Nausea.

Study or subgroup	oup Mifepristone Placebo/no Risk Ratio treatment			Weight	Risk Ratio		
	n/N	n/N		M-H, Fixed, 95%	CI		M-H, Fixed, 95% CI
Su 1996	8/62	0/62				100%	17[1,288.28]
Total (95% CI)	62	62				100%	17[1,288.28]
Total events: 8 (Mifepristone), 0 (Pl	acebo/no treatment)						
Heterogeneity: Not applicable							
Test for overall effect: Z=1.96(P=0.0	95)						
	Fa	avours treatment	0.1 0.2	0.5 1 2	5 10	Favours control	

Analysis 1.20. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 20 Vomiting.

Study or subgroup	Mifepristone	Placebo/no treatment		Risk Ratio		Risk Ratio Weight		Risk Ratio			
	n/N	n/N			M-H, Fi	xed, 9	95% CI				M-H, Fixed, 95% CI
Su 1996	6/62	0/62							-	100%	13[0.75,225.9]
Total (95% CI)	62	62								100%	13[0.75,225.9]
Total events: 6 (Mifepristone), 0) (Placebo/no treatment)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.76(P	=0.08)										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.21. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 21 Diarrhoea.

Study or subgroup	Mifepristone Placebo/no treatment			Risk Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95%	CI		M-H, Fixed, 95% CI
Frydman 1992	2/57	0/55			──	100%	4.83[0.24,98.34]
Lelaidier 1994	0/16	0/16					Not estimable
Total (95% CI)	73	71				100%	4.83[0.24,98.34]
Total events: 2 (Mifepristone), 0 (Plac	ebo/no treatment)						
Heterogeneity: Not applicable							
Test for overall effect: Z=1.02(P=0.31)					I I		
		avours troatmont	0.1 0	0.2 0.5 1 2	5 10	Equation control	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 1.23. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		Ris	k Ratio		Weight	Risk Ratio	
	n/N	n/N		M-H, Fi	xed, 95% CI			M-H, Fixed, 95% CI	
Berkane 2005	27/289	4/57		-			86.62%	1.33[0.48,3.66]	
Elliot 1998	0/50	0/30						Not estimable	
Giacalone 1998	4/41	0/42			+		6.4%	9.21[0.51,165.9]	
Lelaidier 1994	0/16	0/16						Not estimable	
Wing 2000	4/97	0/83		-	+ +		6.98%	7.71[0.42,141.21]	
Total (95% CI)	493	228			•		100%	2.28[0.97,5.35]	
Total events: 35 (Treatment), 4 (C	Control)								
Heterogeneity: Tau ² =0; Chi ² =2.66	, df=2(P=0.26); I ² =24.85%								
Test for overall effect: Z=1.9(P=0.0	06)								
	Fa	avours treatment	0.005	0.1	1 10	200	Favours control		



Analysis 1.24. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 24 Vaginal delivery within 48 hours.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 95%	CI			M-H, Fixed, 95% CI
Wing 2000	77/97	46/83			+			100%	1.43[1.15,1.78]
Total (95% CI)	97	83			•			100%	1.43[1.15,1.78]
Total events: 77 (Mifepristone), 46	(Placebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=3.23(P=0)									
	Favo	ours mifepristone	0.01	0.1	1	10	100	Favours placebo	

Analysis 1.25. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo		R	isk Ratio			Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	20/289	8/57						54.29%	0.49[0.23,1.06]
Frydman 1992	3/57	6/57			•			24.37%	0.5[0.13,1.9]
Giacalone 1998	0/41	1/42		+				6.02%	0.34[0.01,8.14]
Stenlund 1999	0/24	0/12							Not estimable
Wing 2000	0/97	3/83	←	+				15.31%	0.12[0.01,2.34]
Total (95% CI)	508	251						100%	0.43[0.23,0.81]
Total events: 23 (Mifepristone)	, 18 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0.	89, df=3(P=0.83); I ² =0%								
Test for overall effect: Z=2.59(P	9=0.01)			L			L		
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 1.26. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo		F	lisk Ratio			Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95% C	I			M-H, Fixed, 95% CI
Berkane 2005	39/289	6/57						34.72%	1.28[0.57,2.89]
Elliot 1998	8/25	3/30				_		9.45%	3.2[0.95,10.8]
Frydman 1992	7/57	5/55						17.63%	1.35[0.46,4]
Giacalone 1998	3/41	4/42			•			13.69%	0.77[0.18,3.22]
Lelaidier 1994	2/16	2/16						6.93%	1[0.16,6.25]
Stenlund 1999	4/24	3/12			•			13.86%	0.67[0.18,2.51]
Wing 2000	3/97	1/83			+			3.73%	2.57[0.27,24.21]
Total (95% CI)	549	295			•			100%	1.35[0.85,2.13]
Total events: 66 (Mifepristone)	, 24 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =4	.05, df=6(P=0.67); I ² =0%								
Test for overall effect: Z=1.29(F	P=0.2)			1			1		
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	



Analysis 1.27. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	32/289	6/57	+	21.47%	1.05[0.46,2.4]
Elliot 1998	1/25	5/30		9.73%	0.24[0.03,1.92]
Frydman 1992	8/57	7/55		15.26%	1.1[0.43,2.84]
Giacalone 1998	4/41	1/42		2.12%	4.1[0.48,35.13]
Lelaidier 1994	3/16	6/16	+	12.85%	0.5[0.15,1.66]
Stenlund 1999	4/24	3/12		8.57%	0.67[0.18,2.51]
Wing 2000	5/97	13/83		30.01%	0.33[0.12,0.88]
Total (95% CI)	549	295	•	100%	0.72[0.48,1.09]
Total events: 57 (Mifepristone),	41 (Placebo)				
Heterogeneity: Tau ² =0; Chi ² =7.9	96, df=6(P=0.24); I ² =24.58%				
Test for overall effect: Z=1.53(P=	=0.13)				
······································	•	urs experimental 0.01	0.1 1 10	100 Eavours control	

Favours experimental 0.01 0.1 1 10 100 Fav

¹⁰⁰ Favours control

Analysis 1.28. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 28 Labour/cervical ripening within 48 hours.

Study or subgroup	Treatment	Control			Ris	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Giacalone 1998	28/41	14/42				-				48.53%	2.05[1.27,3.3]
Stenlund 1999	20/24	5/12				-	•	-		23.39%	2[1,4]
Su 1996	14/62	3/62						+	≁	10.53%	4.67[1.41,15.44]
Thakur 2005	13/25	5/25					•			17.55%	2.6[1.09,6.2]
Total (95% CI)	152	141					•			100%	2.41[1.7,3.42]
Total events: 75 (Treatment), 2	7 (Control)										
Heterogeneity: Tau ² =0; Chi ² =1.9	93, df=3(P=0.59); I²=0%										
Test for overall effect: Z=4.92(P	<0.0001)		1								
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.29. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 29 Labour/cervical ripening within 72 hours.

Study or subgroup	Treatment	Control			Ris	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	xed,	95% CI				M-H, Fixed, 95% CI
Elliot 1998	28/50	9/30				-	1	-		100%	1.87[1.03,3.4]
Total (95% CI)	50	30								100%	1.87[1.03,3.4]
Total events: 28 (Treatment), 9 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=2.04(P=0.04)					1						
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	



Analysis 1.30. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/ no treatment: all women, Outcome 30 Labour/cervical ripening within 96 hours.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Frydman 1992	31/57	10/55								83.58%	2.99[1.63,5.5]
Lelaidier 1994	11/16	2/16						•	->	16.42%	5.5[1.44,20.96]
Total (95% CI)	73	71								100%	3.4[1.96,5.92]
Total events: 42 (Treatment),	12 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.67, df=1(P=0.41); I ² =0%										
Test for overall effect: Z=4.34(P<0.0001)			1							
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 1.31. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 31 Neonatal hypoglycaemia.

Study or subgroup	Treatment	Control		Risk Ratio		Weight	Risk Ratio
	n/N	n/N	Ν	I-H, Fixed, 95% CI			M-H, Fixed, 95% CI
Berkane 2005	83/289	15/57		— <mark>—</mark> —		56.78%	1.09[0.68,1.75]
Elliot 1998	21/50	10/30				28.32%	1.26[0.69,2.3]
Frydman 1992	3/57	5/55				11.53%	0.58[0.15,2.31]
Giacalone 1998	1/41	1/42	◀───		→	2.24%	1.02[0.07,15.84]
Lelaidier 1994	1/16	0/16				1.13%	3[0.13,68.57]
Total (95% CI)	453	200		•		100%	1.1[0.77,1.57]
Total events: 109 (Treatment)	, 31 (Control)						
Heterogeneity: Tau ² =0; Chi ² =1	1.42, df=4(P=0.84); l ² =0%						
Test for overall effect: Z=0.53(P=0.6)				1		
	Fa	avours treatment	0.1 0.2	0.5 1 2 5	10 F	avours control	

Analysis 1.32. Comparison 1 (1.1) Mifepristone (all doses) versus placebo/no treatment: all women, Outcome 32 Neonatal seizures.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			М-Н, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	0/289	0/57									Not estimable
Stenlund 1999	1/24	0/12	←				-		→	100%	1.56[0.07,35.67]
Total (95% CI)	313	69								100%	1.56[0.07,35.67]
Total events: 1 (Treatment), 0 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.28(P=0.78)				1							
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Comparison 2. (1.2) Mifepristone versus placebo: all women, unfavourable cervix

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Labour/cervical ripening within 54 hours	1	346	Risk Ratio (M-H, Fixed, 95% CI)	1.02 [0.74, 1.40]
2 Maternal adverse events (all)	3	486	Risk Ratio (M-H, Fixed, 95% CI)	1.13 [0.79, 1.63]
3 Caesarean section	8	919	Risk Ratio (M-H, Fixed, 95% CI)	0.77 [0.61, 0.96]
4 Vaginal delivery within 24 hours	1	180	Risk Ratio (M-H, Fixed, 95% CI)	1.47 [0.61, 3.55]
6 Meconium-stained liquor	2	526	Risk Ratio (M-H, Fixed, 95% CI)	0.74 [0.47, 1.16]
7 Oxytocin augmentation	5	499	Risk Ratio (M-H, Fixed, 95% CI)	0.80 [0.66, 0.97]
8 Abnormal neonatal fol- low-up findings	1	346	Risk Ratio (M-H, Fixed, 95% CI)	0.99 [0.39, 2.47]
9 Uterine dehiscence/rupture	2	378	Risk Ratio (M-H, Fixed, 95% CI)	1.18 [0.16, 8.61]
10 Epidural analgesia	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.87 [0.73, 1.03]
11 Instrumental vaginal de- livery	6	690	Risk Ratio (M-H, Fixed, 95% CI)	1.48 [1.07, 2.05]
12 Caesarean section for un- successful labour induction	5	759	Risk Ratio (M-H, Fixed, 95% CI)	0.43 [0.23, 0.81]
15 Caesarean section for CTG abnormalities	7	844	Risk Ratio (M-H, Fixed, 95% CI)	1.35 [0.85, 2.13]
16 Perinatal death	8	920	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
17 Caesarean section for ar- rested labour	7	844	Risk Ratio (M-H, Fixed, 95% CI)	0.72 [0.48, 1.09]
20 Abnormal fetal heart pat- tern	5	721	Risk Ratio (M-H, Fixed, 95% CI)	1.60 [1.12, 2.29]
21 Diarrhoea	1	112	Risk Ratio (M-H, Fixed, 95% CI)	4.83 [0.24, 98.34]
22 Labour/cervical ripening within 48 hours	3	169	Risk Ratio (M-H, Fixed, 95% CI)	2.14 [1.50, 3.07]
23 Labour/cervical ripening within 72 hours	1	80	Risk Ratio (M-H, Fixed, 95% CI)	1.87 [1.03, 3.40]
24 Labour/cervical ripening within 96 hours	2	144	Risk Ratio (M-H, Fixed, 95% CI)	3.40 [1.96, 5.92]
25 Neonatal hypoglycaemia	5	653	Risk Ratio (M-H, Fixed, 95% CI)	1.10 [0.77, 1.57]

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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
26 Neonatal seizures	2	382	Risk Ratio (M-H, Fixed, 95% CI)	1.56 [0.07, 35.67]
38 Apgar score < 7 at 5 min- utes	4	721	Risk Ratio (M-H, Fixed, 95% CI)	0.64 [0.23, 1.74]
39 Neonatal intensive care unit admission	4	689	Risk Ratio (M-H, Fixed, 95% CI)	1.11 [0.72, 1.71]
40 Uterine hyperstimulation	5	721	Risk Ratio (M-H, Fixed, 95% CI)	2.28 [0.97, 5.35]

Analysis 2.1. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 1 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control		Risk Ratio			Weight	Risk Ratio			
	n/N	n/N			М-Н, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	129/289	25/57								100%	1.02[0.74,1.4]
Total (95% CI)	289	57				\blacklozenge				100%	1.02[0.74,1.4]
Total events: 129 (Treatment), 25 (Cor	ntrol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.11(P=0.91)				1							
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.2. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 2 Maternal adverse events (all).

Study or subgroup	Treatment	Control			Ri	sk Ratio				Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	111/289	21/57								96.25%	1.04[0.72,1.51]
Frydman 1992	2/57	0/55		_					→	1.4%	4.83[0.24,98.34]
Lelaidier 1994	2/12	1/16		-					→	2.35%	2.67[0.27,26.09]
Total (95% CI)	358	128				+				100%	1.13[0.79,1.63]
Total events: 115 (Treatment),	22 (Control)										
Heterogeneity: Tau ² =0; Chi ² =1	.62, df=2(P=0.44); I ² =0%										
Test for overall effect: Z=0.68(F	P=0.5)										
	I	Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	



Analysis 2.3. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 3 Caesarean section.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	89/289	22/57		31.85%	0.8[0.55,1.16]
Elliot 1998	11/50	8/30		8.67%	0.83[0.37,1.82]
Frydman 1992	18/57	18/55	_	15.88%	0.96[0.56,1.65]
Giacalone 1998	7/41	6/42	+	5.14%	1.2[0.44,3.25]
Lelaidier 1994	5/16	8/16	+	6.93%	0.63[0.26,1.5]
Stenlund 1999	4/24	3/12		3.47%	0.67[0.18,2.51]
Thakur 2005	10/25	13/25	+	11.27%	0.77[0.42,1.42]
Wing 2000	9/97	18/83		16.81%	0.43[0.2,0.9]
Total (95% CI)	599	320	•	100%	0.77[0.61,0.96]
Total events: 153 (Treatment), 96 (0	Control)				
Heterogeneity: Tau ² =0; Chi ² =4.15, d	lf=7(P=0.76); I ² =0%				
Test for overall effect: Z=2.32(P=0.0	2)				

Favours treatment0.10.20.512510Favours control

Analysis 2.4. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 4 Vaginal delivery within 24 hours.

Study or subgroup	Mifepristone	Placebo		Risk Ratio			Weight	Risk Ratio	
	n/N	n/N		M-H	I, Fixed, 95%	CI			M-H, Fixed, 95% Cl
Wing 2000	12/97	7/83						100%	1.47[0.61,3.55]
Total (95% CI)	97	83			-			100%	1.47[0.61,3.55]
Total events: 12 (Mifepristone), 7 (P	lacebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.85(P=0.4)	1						i.		
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 2.6. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 6 Meconium-stained liquor.

Study or subgroup	Treatment	Control			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	H, Fixed, 95%	CI			M-H, Fixed, 95% CI
Berkane 2005	41/289	14/57						73.06%	0.58[0.34,0.99]
Wing 2000	11/97	8/83						26.94%	1.18[0.5,2.79]
Total (95% CI)	386	140			•			100%	0.74[0.47,1.16]
Total events: 52 (Treatment), 2	22 (Control)								
Heterogeneity: Tau ² =0; Chi ² =1	.93, df=1(P=0.16); I ² =48.15%								
Test for overall effect: Z=1.31(H	P=0.19)								
	Fa	vours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 2.7. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 7 Oxytocin augmentation.

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Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Elliot 1998	20/50	14/30	+	15.03%	0.86[0.51,1.43]
Frydman 1992	7/60	17/60		14.6%	0.41[0.18,0.92]
Giacalone 1998	19/41	25/42	_ + +	21.21%	0.78[0.52,1.18]
Stenlund 1999	17/24	9/12	+	10.3%	0.94[0.62,1.43]
Wing 2000	44/97	42/83		38.87%	0.9[0.66,1.22]
Total (95% CI)	272	227	•	100%	0.8[0.66,0.97]
Total events: 107 (Treatment),	107 (Control)				
Heterogeneity: Tau ² =0; Chi ² =3.	.86, df=4(P=0.43); I ² =0%				
Test for overall effect: Z=2.22(F	P=0.03)				
	Fa	avours treatment 0	.1 0.2 0.5 1 2 5	¹⁰ Favours control	

Analysis 2.8. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 8 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 95%	5 CI			M-H, Fixed, 95% Cl
Berkane 2005	25/289	5/57						100%	0.99[0.39,2.47]
Total (95% CI)	289	57			•			100%	0.99[0.39,2.47]
Total events: 25 (Treatment), 5 (Contro	l)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.03(P=0.98)									
	Fa	avours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 2.9. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 9 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control		Risk Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95%	CI		M-H, Fixed, 95% CI
Berkane 2005	3/289	0/57	-			45.45%	1.4[0.07,26.74]
Lelaidier 1994	1/16	1/16	←			54.55%	1[0.07,14.64]
Total (95% CI)	305	73				100%	1.18[0.16,8.61]
Total events: 4 (Treatment), 1 (Co	ntrol)						
Heterogeneity: Tau ² =0; Chi ² =0.03,	df=1(P=0.87); I ² =0%						
Test for overall effect: Z=0.16(P=0.	.87)						
	Fa	vours treatment	0.1	0.2 0.5 1 2	5 10	Favours control	

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Analysis 2.10. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 10 Epidural analgesia.

Study or subgroup	Treatment	Control		Risk Ratio			Weight	Risk Ratio			
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Frydman 1992	44/57	49/55								100%	0.87[0.73,1.03]
Total (95% CI)	57	55				•				100%	0.87[0.73,1.03]
Total events: 44 (Treatment), 49 (Contr	ol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.67(P=0.1)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.11. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 11 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio	
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% Cl	
Berkane 2005	80/289	9/57		29.38%	1.75[0.94,3.28]	
Elliot 1998	14/50	6/30		14.66%	1.4[0.6,3.25]	
Frydman 1992	20/57	17/55		33.81%	1.14[0.67,1.93]	
Giacalone 1998	9/42	6/42		11.73%	1.5[0.59,3.84]	
Lelaidier 1994	5/16	4/16		7.82%	1.25[0.41,3.82]	
Stenlund 1999	8/24	1/12		2.61%	4[0.56,28.4]	
Total (95% CI)	478	212	•	100%	1.48[1.07,2.05]	
Total events: 136 (Treatment), 43	(Control)					
Heterogeneity: Tau ² =0; Chi ² =2.34	, df=5(P=0.8); l ² =0%					
Test for overall effect: Z=2.38(P=0	.02)					

¹⁰ Favours control Favours treatment

Analysis 2.12. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 12 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo	Risk I	Ratio	Weight	Risk Ratio	
	n/N	n/N n/N		d, 95% CI		M-H, Fixed, 95% CI	
Berkane 2005	20/289	8/57			54.29%	0.49[0.23,1.06]	
Frydman 1992	3/57	6/57			24.37%	0.5[0.13,1.9]	
Giacalone 1998	0/41	1/42	+		6.02%	0.34[0.01,8.14]	
Stenlund 1999	0/24	0/12				Not estimable	
Wing 2000	0/97	3/83	← +		15.31%	0.12[0.01,2.34]	
Total (95% CI)	508	251	•		100%	0.43[0.23,0.81]	
Total events: 23 (Mifepristone	e), 18 (Placebo)						
Heterogeneity: Tau ² =0; Chi ² =0	0.89, df=3(P=0.83); l ² =0%						
Test for overall effect: Z=2.59((P=0.01)						
	Favo	urs experimental	0.01 0.1 1	10	¹⁰⁰ Favours control		

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Analysis 2.15. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 15 Caesarean section for CTG abnormalities.

Study or subgroup	Experimental	Control	1	Risk Ratio	Weight	Risk Ratio	
	n/N	n/N	М-Н,	Fixed, 95% Cl		M-H, Fixed, 95% Cl	
Berkane 2005	39/289	6/57			34.72%	1.28[0.57,2.89]	
Elliot 1998	8/25	3/30			9.45%	3.2[0.95,10.8]	
Frydman 1992	7/57	5/55			17.63%	1.35[0.46,4]	
Giacalone 1998	3/41	4/42		-+	13.69%	0.77[0.18,3.22]	
Lelaidier 1994	2/16	2/16			6.93%	1[0.16,6.25]	
Stenlund 1999	4/24	3/12		-+	13.86%	0.67[0.18,2.51]	
Wing 2000	3/97	1/83	_	+	3.73%	2.57[0.27,24.21]	
Total (95% CI)	549	295		•	100%	1.35[0.85,2.13]	
Total events: 66 (Experimental)	, 24 (Control)						
Heterogeneity: Tau ² =0; Chi ² =4.0	05, df=6(P=0.67); I ² =0%						
Test for overall effect: Z=1.29(P=	=0.2)						
	Favo	urs experimental	0.01 0.1	1 10	100 Favours control		

Analysis 2.16. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 16 Perinatal death.

Study or subgroup	Treatment	Control		Risk Ratio	Weight	Risk Ratio
	n/N	n/N	Ν	I-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	0/289	0/57				Not estimable
Elliot 1998	0/50	0/30				Not estimable
Frydman 1992	0/57	0/55				Not estimable
Giacalone 1998	0/42	0/42				Not estimable
Lelaidier 1994	0/16	0/16				Not estimable
Stenlund 1999	0/24	0/12				Not estimable
Thakur 2005	0/25	0/25				Not estimable
Wing 2000	0/97	0/83				Not estimable
Total (95% CI)	600	320				Not estimable
Total events: 0 (Treatment), 0 (Control)						
Heterogeneity: Not applicable						
Test for overall effect: Not applicable						
	Fa	avours treatment	0.1 0.2	0.5 1 2	⁵ ¹⁰ Favours control	

Analysis 2.17. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 17 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		Risk Ratio)		Weight	Risk Ratio
	n/N		M-H, Fixed, 95	% CI			M-H, Fixed, 95% CI	
Berkane 2005	32/289	6/57					21.47%	1.05[0.46,2.4]
Elliot 1998	1/25	5/30		•			9.73%	0.24[0.03,1.92]
Frydman 1992	8/57	7/55		-+			15.26%	1.1[0.43,2.84]
Giacalone 1998	4/41	1/42				-	2.12%	4.1[0.48,35.13]
Lelaidier 1994	3/16	6/16		+_	1		12.85%	0.5[0.15,1.66]
	Favo	urs experimental	0.01 0	.1 1	10	100	Favours control	

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Study or subgroup	Mifepristone	Placebo			Risk Ratio	,		Weight	Risk Ratio	
	n/N	n/N		М-	H, Fixed, 95	% CI			M-H, Fixed, 95% CI	
Stenlund 1999	4/24	3/12		-	-+			8.57%	0.67[0.18,2.51]	
Wing 2000	5/97	13/83			•			30.01%	0.33[0.12,0.88]	
Total (95% CI)	549	295			•			100%	0.72[0.48,1.09]	
Total events: 57 (Mifepristone	e), 41 (Placebo)									
Heterogeneity: Tau ² =0; Chi ² =	7.96, df=6(P=0.24); I ² =24.58%									
Test for overall effect: Z=1.53	(P=0.13)					l.				
	Favoi	urs experimental	0.01	0.1	1	10	100	Favours control		

Analysis 2.20. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 20 Abnormal fetal heart pattern.

Study or subgroup	Mifepristone	Placebo	Risk Ratio	Weight	Risk Ratio		
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI		
Berkane 2005	46/289	6/57	_	24.88%	1.51[0.68,3.37]		
Elliot 1998	18/50	4/30	+	12.41%	2.7[1.01,7.23]		
Giacalone 1998	17/41	17/42		41.69%	1.02[0.61,1.72]		
Lelaidier 1994	2/16	2/16		4.96%	1[0.16,6.25]		
Wing 2000	18/97	6/83		16.05%	2.57[1.07,6.17]		
Total (95% CI)	493	228	•	100%	1.6[1.12,2.29]		
Total events: 101 (Mifepristone),	, 35 (Placebo)						
Heterogeneity: Tau ² =0; Chi ² =5.3	4, df=4(P=0.25); I ² =25.08%						
Test for overall effect: Z=2.56(P=	0.01)						

Favours experimental 0.01

¹⁰⁰ Favours control

Analysis 2.21. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 21 Diarrhoea.

Study or subgroup	Mifepristone	Placebo/no treatment		Risk Ratio			Weight	Risk Ratio			
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Frydman 1992	2/57	0/55		_				-	-	100%	4.83[0.24,98.34]
Total (95% CI)	57	55								100%	4.83[0.24,98.34]
Total events: 2 (Mifepristone), 0 (Placebo/no treatment)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.02(P=0	0.31)							1			
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.22. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 22 Labour/cervical ripening within 48 hours.

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Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Giacalone 1998	28/41	14/42				-	-			54.24%	2.05[1.27,3.3]
Stenlund 1999	20/24	5/12				-	•	_		26.15%	2[1,4]
Thakur 2005	13/25	5/25					•			19.61%	2.6[1.09,6.2]
Total (95% CI)	90	79					•			100%	2.14[1.5,3.07]
Total events: 61 (Treatment),	24 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.26, df=2(P=0.88); I ² =0%										
Test for overall effect: Z=4.15(P<0.0001)										
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.23. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 23 Labour/cervical ripening within 72 hours.

Study or subgroup	Freatment	Control	Ris	k Ratio	Weight	Risk Ratio	
	n/N	n/N	M-H, Fi	xed, 95% CI		M-H, Fixed, 95% CI	
Elliot 1998	28/50	9/30			100%	1.87[1.03,3.4]	
Total (95% CI)	50	30			100%	1.87[1.03,3.4]	
Total events: 28 (Treatment), 9 (Control)							
Heterogeneity: Not applicable							
Test for overall effect: Z=2.04(P=0.04)							
	-		01 02 05	1 2 5	10 Faussing as a track		

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 2.24. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 24 Labour/cervical ripening within 96 hours.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Frydman 1992	31/57	10/55								83.58%	2.99[1.63,5.5]
Lelaidier 1994	11/16	2/16						•	→	16.42%	5.5[1.44,20.96]
Total (95% CI)	73	71								100%	3.4[1.96,5.92]
Total events: 42 (Treatment), 12	(Control)										
Heterogeneity: Tau ² =0; Chi ² =0.6	7, df=1(P=0.41); I ² =0%										
Test for overall effect: Z=4.34(P<	0.0001)				1						
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.25. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 25 Neonatal hypoglycaemia.

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Study or subgroup	Treatment	Control		Risk I	Ratio			Weight	Risk Ratio
	n/N	n/N		M-H, Fixe	d, 95% CI				M-H, Fixed, 95% CI
Berkane 2005	83/289	15/57			+			56.78%	1.09[0.68,1.75]
Elliot 1998	21/50	10/30			•			28.32%	1.26[0.69,2.3]
Frydman 1992	3/57	5/55						11.53%	0.58[0.15,2.31]
Giacalone 1998	1/41	1/42	←				-	2.24%	1.02[0.07,15.84]
Lelaidier 1994	1/16	0/16			+		→	1.13%	3[0.13,68.57]
Total (95% CI)	453	200						100%	1.1[0.77,1.57]
Total events: 109 (Treatment), 3	31 (Control)								
Heterogeneity: Tau ² =0; Chi ² =1.4	12, df=4(P=0.84); I ² =0%								
Test for overall effect: Z=0.53(P=	=0.6)								
	Fa	avours treatment	0.1 0.2	0.5 1	. 2	5	10	Favours control	

Analysis 2.26. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 26 Neonatal seizures.

Study or subgroup	up Treatment Control Risk Ratio						Weight	Risk Ratio			
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	0/289	0/57									Not estimable
Stenlund 1999	1/24	0/12	←				+		→	100%	1.56[0.07,35.67]
Total (95% CI)	313	69								100%	1.56[0.07,35.67]
Total events: 1 (Treatment), 0 (Control)	1										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.28(P=0.78)				1							
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Favours treatment Favours control

Analysis 2.38. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 38 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control		Risk Ratio						Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	7/289	4/57			+	_				92.54%	0.35[0.1,1.14]
Frydman 1992	0/57	0/55									Not estimable
Giacalone 1998	0/41	0/42									Not estimable
Wing 2000	2/97	0/83						+	→	7.46%	4.29[0.21,88.03]
Total (95% CI)	484	237					-			100%	0.64[0.23,1.74]
Total events: 9 (Treatment), 4 (0	Control)										
Heterogeneity: Tau ² =0; Chi ² =2.5	54, df=1(P=0.11); l ² =60.68%										
Test for overall effect: Z=0.88(P=	=0.38)										
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.39. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 39 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	63/289	10/57			-					48.59%	1.24[0.68,2.27]
Elliot 1998	0/50	1/30	-	+		_				5.43%	0.2[0.01,4.82]
Giacalone 1998	5/41	4/42				+				11.5%	1.28[0.37,4.44]
Wing 2000	13/97	11/83				-				34.49%	1.01[0.48,2.14]
Total (95% CI)	477	212				\bullet	•			100%	1.11[0.72,1.71]
Total events: 81 (Treatment),	26 (Control)										
Heterogeneity: Tau ² =0; Chi ² =1	35, df=3(P=0.72); I ² =0%										
Test for overall effect: Z=0.48(P=0.63)				ī				1		
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 2.40. Comparison 2 (1.2) Mifepristone versus placebo: all women, unfavourable cervix, Outcome 40 Uterine hyperstimulation.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl		M-H, Fixed, 95% CI
Berkane 2005	27/289	4/57	— <mark>—</mark> —	86.62%	1.33[0.48,3.66]
Elliot 1998	0/50	0/30			Not estimable
Giacalone 1998	4/41	0/42	+	6.4%	9.21[0.51,165.9]
Lelaidier 1994	0/16	0/16			Not estimable
Wing 2000	4/97	0/83	+	6.98%	7.71[0.42,141.21]
Total (95% CI)	493	228	•	100%	2.28[0.97,5.35]
Total events: 35 (Treatment), 4	(Control)				
Heterogeneity: Tau ² =0; Chi ² =2.	.66, df=2(P=0.26); I ² =24.85%				
Test for overall effect: Z=1.9(P=	=0.06)				
	Fa	avours treatment	0.005 0.1 1 10 20	⁰ Favours control	

Comparison 4. (1.10) Mifepristone versus placebo: all primiparae

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
3 Caesarean section	3	254	Risk Ratio (M-H, Fixed, 95% CI)	0.71 [0.47, 1.06]
4 Labour/cervical ripening with- in 48 hours	2	174	Risk Ratio (M-H, Fixed, 95% CI)	3.38 [1.66, 6.87]
5 Labour/cervical ripening with- in 72 hours	1	80	Risk Ratio (M-H, Fixed, 95% CI)	1.87 [1.03, 3.40]
7 Neonatal hypoglycaemia	1	80	Risk Ratio (M-H, Fixed, 95% CI)	1.26 [0.69, 2.30]
9 Oxytocin augmentation	1	80	Risk Ratio (M-H, Fixed, 95% CI)	0.86 [0.51, 1.43]

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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
11 Instrumental vaginal delivery	1	80	Risk Ratio (M-H, Fixed, 95% CI)	1.4 [0.60, 3.25]
14 Neonatal intensive care unit admission	1	80	Risk Ratio (M-H, Fixed, 95% CI)	0.20 [0.01, 4.82]
23 Uterine hyperstimulation	1	80	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
26 Caesarean section for CTG abnormalities	1	55	Risk Ratio (M-H, Fixed, 95% CI)	3.2 [0.95, 10.80]
27 Caesarean section for arrest- ed labour	1	55	Risk Ratio (M-H, Fixed, 95% CI)	0.24 [0.03, 1.92]

Analysis 4.3. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 3 Caesarean section.

Study or subgroup	Treatment	Control			Ris	k Rat	io			Weight	Risk Ratio	
	n/N	n/N			M-H, Fi	xed, 9	95% CI				M-H, Fixed, 95% Cl	
Elliot 1998	11/50	8/30				•				25%	0.83[0.37,1.82]	
Su 1996	10/62	17/62		-	-	+				42.5%	0.59[0.29,1.18]	
Thakur 2005	10/25	13/25								32.5%	0.77[0.42,1.42]	
Total (95% CI)	137	117								100%	0.71[0.47,1.06]	
Total events: 31 (Treatment),	38 (Control)											
Heterogeneity: Tau ² =0; Chi ² =0	0.49, df=2(P=0.78); l ² =0%											
Test for overall effect: Z=1.7(P	9=0.09)				1							
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control		

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 4.4. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 4 Labour/cervical ripening within 48 hours.

Study or subgroup	Treatment	Control		Risk	Ratio			Weight	Risk Ratio
	n/N	n/N		M-H, Fixe	d, 95% CI				M-H, Fixed, 95% CI
Su 1996	14/62	3/62				-	→	37.5%	4.67[1.41,15.44]
Thakur 2005	13/25	5/25				<u> </u>		62.5%	2.6[1.09,6.2]
Total (95% CI)	87	87						100%	3.38[1.66,6.87]
Total events: 27 (Treatment), 8 (Co	ntrol)								
Heterogeneity: Tau ² =0; Chi ² =0.63, c	lf=1(P=0.43); I ² =0%								
Test for overall effect: Z=3.35(P=0)				I					
	Fa	avours treatment	0.1 0.2	0.5	2	5	10	Favours control	

Analysis 4.5. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 5 Labour/cervical ripening within 72 hours.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Elliot 1998	28/50	9/30					-			100%	1.87[1.03,3.4]
Total (95% CI)	50	30								100%	1.87[1.03,3.4]
Total events: 28 (Treatment), 9 (Contro	l)										
Heterogeneity: Not applicable											
Test for overall effect: Z=2.04(P=0.04)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 4.7. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 7 Neonatal hypoglycaemia.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Elliot 1998	21/50	10/30			-	-				100%	1.26[0.69,2.3]
Total (95% CI)	50	30			-					100%	1.26[0.69,2.3]
Total events: 21 (Treatment), 10 (Contro	l)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.75(P=0.45)			1								
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 4.9. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 9 Oxytocin augmentation.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 959	% CI			M-H, Fixed, 95% CI
Elliot 1998	20/50	14/30						100%	0.86[0.51,1.43]
Total (95% CI)	50	30			•			100%	0.86[0.51,1.43]
Total events: 20 (Mifepristone), 14 (P	lacebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.59(P=0.55))						1		
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 4.11. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 11 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Elliot 1998	14/50	6/30			_		+			100%	1.4[0.6,3.25]
Total (95% CI)	50	30			-					100%	1.4[0.6,3.25]
Total events: 14 (Treatment), 6 (Control)										
Heterogeneity: Not applicable											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment n/N	Control n/N			Ri M-H, F	sk Rat ixed, 9				Weight	Risk Ratio M-H, Fixed, 95% Cl
Test for overall effect: Z=0.78(P=0.43)			_	1	1						
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 4.14. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 14 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control			Ris	k Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	xed,	95% CI				M-H, Fixed, 95% CI
Elliot 1998	0/50	1/30	←	-						100%	0.2[0.01,4.82]
Total (95% CI)	50	30								100%	0.2[0.01,4.82]
Total events: 0 (Treatment), 1 (Control)	1										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.99(P=0.32)											
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 4.23. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		R	isk Rati	0		Weight	Risk Ratio M-H, Fixed, 95% Cl
	n/N	n/N		м-н,	Fixed, 9	5% CI			
Elliot 1998	0/50	0/30							Not estimable
Total (95% CI)	50	30							Not estimable
Total events: 0 (Treatment), 0 (Control))								
Heterogeneity: Not applicable									
Test for overall effect: Not applicable						1			
	Fa	avours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 4.26. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95°	% CI			M-H, Fixed, 95% Cl
Elliot 1998	8/25	3/30				 		100%	3.2[0.95,10.8]
Total (95% CI)	25	30						100%	3.2[0.95,10.8]
Total events: 8 (Mifepristone), 3 (Place	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.87(P=0.06)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

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Analysis 4.27. Comparison 4 (1.10) Mifepristone versus placebo: all primiparae, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% CI					M-H, Fixed, 95% Cl
Elliot 1998	1/25	5/30	_					100%	0.24[0.03,1.92]
Total (95% CI)	25	30	-					100%	0.24[0.03,1.92]
Total events: 1 (Mifepristone),	5 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0	, df=0(P<0.0001); l ² =100%								
Test for overall effect: Z=1.34(P=0.18)						Ţ		
	Favou	urs experimental	0.01	0.1	1	10	100	Favours control	

Comparison 7. (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
3 Caesarean section	2	76	Risk Ratio (M-H, Fixed, 95% CI)	0.84 [0.44, 1.59]
7 Labour/cervical ripening within 96 hours	1	32	Risk Ratio (M-H, Fixed, 95% CI)	5.5 [1.44, 20.96]
8 Neonatal hypoglycaemia	1	32	Risk Ratio (M-H, Fixed, 95% CI)	3.0 [0.13, 68.57]
9 Uterine dehiscence/rupture	2	76	Risk Ratio (M-H, Fixed, 95% CI)	1.31 [0.19, 9.25]
11 Instrumental vaginal delivery	1	32	Risk Ratio (M-H, Fixed, 95% CI)	1.25 [0.41, 3.82]
16 Perinatal death	1	32	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
22 Other maternal side effects	1	28	Risk Ratio (M-H, Fixed, 95% CI)	2.67 [0.27, 26.09]
23 Uterine hyperstimulation	1	32	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
26 Caesarean section for CTG abnor- malities	1	32	Risk Ratio (M-H, Fixed, 95% CI)	1.0 [0.16, 6.25]
27 Caesarean section for arrested labour	1	32	Risk Ratio (M-H, Fixed, 95% CI)	0.5 [0.15, 1.66]

Analysis 7.3. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 3 Caesarean section.

Study or subgroup	or subgroup Treatment Control Risk Ratio							Weight	Risk Ratio		
	n/N			M-H, Fi	ixed,	95% CI				M-H, Fixed, 95% CI	
Berkane 2005	16/36	3/8				-				38.03%	1.19[0.45,3.11]
Lelaidier 1994	5/16	8/16		-	-	-	-			61.97%	0.63[0.26,1.5]
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Total (95% CI)	52	24				⇒	•			100%	0.84[0.44,1.59]
Total events: 21 (Treatment),	11 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.92, df=1(P=0.34); I ² =0%										
Test for overall effect: Z=0.54	(P=0.59)										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 7.7. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 7 Labour/cervical ripening within 96 hours.

Study or subgroup	Treatment			Ri	sk Ra	tio			Weight	Risk Ratio	
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Lelaidier 1994	11/16	2/16						-	->	100%	5.5[1.44,20.96]
Total (95% CI)	16	16								100%	5.5[1.44,20.96]
Total events: 11 (Treatment), 2 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Z=2.5(P=0.01)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 7.8. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 8 Neonatal hypoglycaemia.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N			М-Н, F	ixed,	95% CI				M-H, Fixed, 95% CI	
Lelaidier 1994	1/16	0/16	_						-	100%	3[0.13,68.57]
Total (95% CI)	16	16	_							100%	3[0.13,68.57]
Total events: 1 (Treatment), 0 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.69(P=0.49)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 7.9. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 9 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control		Risk Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% CI			M-H, Fixed, 95% CI
Berkane 2005	3/36	0/8	←		\rightarrow	44.58%	1.7[0.1,30.1]
Lelaidier 1994	1/16	1/16	←	•		55.42%	1[0.07,14.64]
Total (95% CI)	52	24				100%	1.31[0.19,9.25]
Total events: 4 (Treatment), 1 (Cont	rol)						
Heterogeneity: Tau ² =0; Chi ² =0.07, df	f=1(P=0.79); I ² =0%						
Test for overall effect: Z=0.27(P=0.78	3)						
	Fa	vours treatment	0.1	0.2 0.5 1 2 5	10	Favours control	

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Analysis 7.11. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 11 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control			Ris	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed,	95% CI				M-H, Fixed, 95% Cl
Lelaidier 1994	5/16	4/16				-		_		100%	1.25[0.41,3.82]
Total (95% CI)	16	16						-		100%	1.25[0.41,3.82]
Total events: 5 (Treatment), 4 (Control)	1										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.39(P=0.7)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 7.16. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 16 Perinatal death.

Treatment	Control	Risk Ratio	Weight	Risk Ratio
n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
0/16	0/16			Not estimable
16	16			Not estimable
ol)				
	n/N 0/16	n/N n/N 0/16 0/16 16 16	n/N M-H, Fixed, 95% Cl 0/16 0/16 16 16 ol) 16	n/N n/N M-H, Fixed, 95% CI 0/16 0/16 16 16 ol) 0

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 7.22. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 22 Other maternal side effects.

Study or subgroup	Mifepristone	epristone Placebo/no treatment				sk Ratio				Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 95	% CI				M-H, Fixed, 95% CI
Lelaidier 1994	2/12	1/16		-			1		-	100%	2.67[0.27,26.09]
Total (95% CI)	12	16		-						100%	2.67[0.27,26.09]
Total events: 2 (Mifepristone), 1 (Placebo/no treatment)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.84(P=0	0.4)		ı								
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	



Analysis 7.23. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		M-H, Fixed, 95% Cl					M-H, Fixed, 95% CI
Lelaidier 1994	0/16	0/16							Not estimable
Total (95% CI)	16	16							Not estimable
Total events: 0 (Treatment), 0 (Control)									
Heterogeneity: Not applicable									
Test for overall effect: Not applicable									
	Fa	vours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 7.26. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo		I	Risk Ratio			Weight	Risk Ratio
	n/N	n/N		М-Н,	Fixed, 95	% CI			M-H, Fixed, 95% Cl
Lelaidier 1994	2/16	2/16						100%	1[0.16,6.25]
Total (95% CI)	16	16						100%	1[0.16,6.25]
Total events: 2 (Mifepristone), 2 (Place	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Not applicable									
	Favou	ırs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 7.27. Comparison 7 (1.29) Mifepristone versus placebo: all women, previous caesarean section, unfavourable cervix, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% Cl					M-H, Fixed, 95% CI
Lelaidier 1994	3/16	6/16		-	+			100%	0.5[0.15,1.66]
Total (95% CI)	16	16						100%	0.5[0.15,1.66]
Total events: 3 (Mifepristone), 6 (Place	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.13(P=0.26)						1			
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Comparison 8. Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Vaginal delivery within 24 hours	1	65	Risk Ratio (M-H, Fixed, 95% CI)	0.66 [0.45, 0.96]

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Outcome or subgroup title	No. of	No. of	Statistical method	Effect size
	studies	partici- pants		
2 Caesarean section	1	65	Risk Ratio (M-H, Fixed, 95% CI)	2.26 [0.64, 7.99]
3 Epidural analgesia	1	65	Risk Ratio (M-H, Fixed, 95% CI)	1.17 [0.82, 1.69]
4 Meconium-stained liquor	1	65	Risk Ratio (M-H, Fixed, 95% CI)	0.48 [0.13, 1.78]
5 Apgar score < 7 at 5 minutes	1	65	Risk Ratio (M-H, Fixed, 95% CI)	2.91 [0.12, 68.95]
6 Neonatal intensive care unit admission	1	65	Risk Ratio (M-H, Fixed, 95% CI)	3.56 [1.09, 11.58]
7 Maternal side effects (all)	1	65	Risk Ratio (M-H, Fixed, 95% CI)	8.73 [1.17, 65.00]
8 Abnormal fetal heart rate pattern	1	65	Risk Ratio (M-H, Fixed, 95% CI)	4.36 [1.02, 18.66]
23 Uterine hyperstimulation	1	65	Risk Ratio (M-H, Fixed, 95% CI)	2.91 [0.12, 68.95]
25 Caesarean section for un- successful labour induction	1	65	Risk Ratio (M-H, Fixed, 95% CI)	0.32 [0.01, 7.66]
26 Caesarean section for CTG abnormalities	1	65	Risk Ratio (M-H, Fixed, 95% CI)	12.62 [0.74, 215.16]
27 Caesarean section for ar- rested labour	1	65	Risk Ratio (M-H, Fixed, 95% CI)	0.48 [0.05, 5.09]

Analysis 8.1. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 1 Vaginal delivery within 24 hours.

Study or subgroup	Treatment	Control Risk Ratio							Weight	Risk Ratio
	n/N	n/N			M-H, Fix	ed, 95% CI				M-H, Fixed, 95% Cl
Wing 2005	17/33	25/32			-	-			100%	0.66[0.45,0.96]
Total (95% CI)	33	32			•	•			100%	0.66[0.45,0.96]
Total events: 17 (Treatment), 25 (Con	trol)									
Heterogeneity: Not applicable										
Test for overall effect: Z=2.16(P=0.03)					1					
	E-	wours troatmont	0.1	0.2	0.5	1 2	5	10	Equation control	

Favours treatment0.10.20.512510Favours control

Analysis 8.2. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 2 Caesarean section.

Study or subgroup	Treatment	Control		Risk Ratio						Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Wing 2005	7/33	3/32			-					100%	2.26[0.64,7.99]
	F	Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Total (95% CI)	33	32			_				-	100%	2.26[0.64,7.99]
Total events: 7 (Treatment), 3 (Control)	1										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.27(P=0.2)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 8.3. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 3 Epidural analgesia.

Study or subgroup	Treatment	Control	Risk Ratio						Weight	Risk Ratio	
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Wing 2005	23/33	19/32				-	-			100%	1.17[0.82,1.69]
Total (95% CI)	33	32				+	•			100%	1.17[0.82,1.69]
Total events: 23 (Treatment), 19 (Con	trol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.86(P=0.39)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 8.4. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 4 Meconium-stained liquor.

Study or subgroup	Treatment	Control		Risk Ratio			Weight	Risk Ratio			
	n/N	n/N			M-H, Fi	xed, 9	95% CI				M-H, Fixed, 95% CI
Wing 2005	3/33	6/32	_		-					100%	0.48[0.13,1.78]
Total (95% CI)	33	32	-							100%	0.48[0.13,1.78]
Total events: 3 (Treatment), 6	(Control)										
Heterogeneity: Tau ² =0; Chi ² =0	, df=0(P<0.0001); l ² =100%										
Test for overall effect: Z=1.09(I	P=0.27)				1						
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 8.5. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with

prelabour rupture of membranes beyond 36 weeks, Outcome 5 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			М-Н, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Wing 2005	1/33	0/32					+		-	100%	2.91[0.12,68.95]
Total (95% CI)	33	32								100%	2.91[0.12,68.95]
Total events: 1 (Treatment), 0 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.66(P=0.51)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Analysis 8.6. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 6 Neonatal intensive care unit admission.

Study or subgroup	Treatment	reatment Control				sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Wing 2005	11/33	3/32				-		-	-	100%	3.56[1.09,11.58]
Total (95% CI)	33	32				-				100%	3.56[1.09,11.58]
Total events: 11 (Treatment), 3 (Contro	l)										
Heterogeneity: Not applicable											
Test for overall effect: Z=2.11(P=0.04)											
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 8.7. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 7 Maternal side effects (all).

Study or subgroup	Treatment	Control		Risk Ratio	Weight	Risk Ratio	
	n/N	n/N		M-H, Fixed, 95% CI		M-H, Fixed, 95% CI	
Wing 2005	9/33	1/32			100%	8.73[1.17,65]	
Total (95% CI)	33	32			100%	8.73[1.17,65]	
Total events: 9 (Treatment), 1 (Control)							
Heterogeneity: Not applicable							
Test for overall effect: Z=2.11(P=0.03)					i		
	-		01 02	05 1 2 5	10 5		

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 8.8. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 8 Abnormal fetal heart rate pattern.

Study or subgroup	Mifepristone	Oxytocin			Risk Ratio)		Weight	Risk Ratio M-H, Fixed, 95% Cl	
	n/N	n/N		M-H	, Fixed, 95	5% CI				
Wing 2005	9/33	2/32				-		100%	4.36[1.02,18.66]	
Total (95% CI)	33	32						100%	4.36[1.02,18.66]	
Total events: 9 (Mifepristone)	, 2 (Oxytocin)									
Heterogeneity: Not applicable	2									
Test for overall effect: Z=1.99(P=0.05)						1			
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control		

Favours experimental Favours control

Analysis 8.23. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control	Risk Ratio					Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95	5% CI			M-H, Fixed, 95% CI
Wing 2005	1/33	0/32						100%	2.91[0.12,68.95]
		Favours treatment	0.005	0.1	1	10	200	Favours control	

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Study or subgroup	Treatment	Control		R	isk Rati	D		Weight	Risk Ratio
	n/N	n/N		M-H, I	Fixed, 9	5% CI			M-H, Fixed, 95% Cl
Total (95% CI)	33	32						100%	2.91[0.12,68.95]
Total events: 1 (Treatment), 0 (Control))								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.66(P=0.51)									
	Fa	avours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 8.25. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo			Risk Rati	0		Weight	Risk Ratio	
	n/N	n/N		M-H	Fixed, 9	5% CI			M-H, Fixed, 95% Cl	
Wing 2005	0/33	1/32						100%	0.32[0.01,7.66]	
Total (95% CI)	33	32						100%	0.32[0.01,7.66]	
Total events: 0 (Mifepristone), 1 (Place	bo)									
Heterogeneity: Not applicable										
Test for overall effect: Z=0.7(P=0.48)										
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control		

Analysis 8.26. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 959	% CI			M-H, Fixed, 95% CI
Wing 2005	6/33	0/32						100%	12.62[0.74,215.16]
Total (95% CI)	33	32						100%	12.62[0.74,215.16]
Total events: 6 (Mifepristone), 0 (Plac	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.75(P=0.08)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 8.27. Comparison 8 Mifepristone (all doses) versus oxytocin: all women with prelabour rupture of membranes beyond 36 weeks, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95	% CI			M-H, Fixed, 95% Cl
Wing 2005	1/33	2/32			+			100%	0.48[0.05,5.09]
Total (95% CI)	33	32				-		100%	0.48[0.05,5.09]
Total events: 1 (Mifepristone), 2 (Place	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.6(P=0.55)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

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Comparison 9. Mifepristone single dose (50 mg) versus placebo

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Caesarean section	2	171	Risk Ratio (M-H, Fixed, 95% CI)	0.64 [0.39, 1.04]
2 Labour/cervical ripening within 72 hours	1	55	Risk Ratio (M-H, Fixed, 95% CI)	1.6 [0.81, 3.16]
3 Neonatal intensive care unit admission	2	171	Risk Ratio (M-H, Fixed, 95% CI)	1.15 [0.56, 2.36]
4 Instrumental vaginal delivery	2	171	Risk Ratio (M-H, Fixed, 95% CI)	1.73 [0.98, 3.06]
5 Neonatal hypoglyceamia	2	171	Risk Ratio (M-H, Fixed, 95% CI)	1.26 [0.81, 1.95]
6 Oxytocin augmentation	1	55	Risk Ratio (M-H, Fixed, 95% CI)	0.69 [0.34, 1.36]
7 Abnormal fetal heart pattern	2	171	Risk Ratio (M-H, Fixed, 95% CI)	1.78 [0.87, 3.67]
8 Apgar score < 7 at 5 minutes	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.11 [0.01, 1.95]
9 Labour/cervical ripening within 54 hours	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.93 [0.63, 1.38]
10 Uterine dehiscence/rupture	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
11 Abnormal neonatal fol- low-up findings	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.39 [0.08, 1.91]
15 Neonatal seizures	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
23 Uterine hyperstimulation	2	171	Risk Ratio (M-H, Fixed, 95% CI)	2.17 [0.71, 6.66]
25 Caesarean section for un- successful labour induction	2	171	Risk Ratio (M-H, Fixed, 95% CI)	0.24 [0.05, 1.09]
26 Caesarean section for CTG abnormalities	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.61 [0.63, 4.14]
27 Caesarean section for ar- rested labour	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.29 [0.48, 3.48]

Analysis 9.1. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 1 Caesarean section.

Study or subgroup	Treatment	Control	Risk Ratio						Weight	Risk Ratio	
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	17/59	22/57				-				75.47%	0.75[0.44,1.25]
Elliot 1998	2/25	8/30	┥			_				24.53%	0.3[0.07,1.29]
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control			Ris	k Rat	tio			Weight	Risk Ratio	
	n/N	n/N			M-H, Fi	xed,	95% CI				M-H, Fixed, 95% CI	
Total (95% CI)	84	87								100%	0.64[0.39,1.04]	
Total events: 19 (Treatment),	30 (Control)											
Heterogeneity: Tau ² =0; Chi ² =3	1.39, df=1(P=0.24); l ² =27.98%)										
Test for overall effect: Z=1.81	(P=0.07)											
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control		

Analysis 9.2. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 2 Labour/cervical ripening within 72 hours.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio	
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl	
Elliot 1998	12/25	9/30					-			100%	1.6[0.81,3.16]	
Total (95% CI)	25	30								100%	1.6[0.81,3.16]	
Total events: 12 (Treatment), 9 (Contro	l)											
Heterogeneity: Not applicable												
Test for overall effect: Z=1.35(P=0.18)												
	Fi	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control		

Analysis 9.3. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 3 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control		Risk Ratio						Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	13/59	10/57			_	-				88.14%	1.26[0.6,2.63]
Elliot 1998	0/25	1/30	←		+					11.86%	0.4[0.02,9.35]
Total (95% CI)	84	87								100%	1.15[0.56,2.36]
Total events: 13 (Treatment),	11 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.49, df=1(P=0.48); l ² =0%										
Test for overall effect: Z=0.39(P=0.69)										
	Ea	wours treatment	0.1	0.2	0.5	1	2	5	10	Eavours control	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 9.4. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 4 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	18/59	9/57				-	-	_		62.66%	1.93[0.95,3.94]
Elliot 1998	7/25	6/30				-	•	_		37.34%	1.4[0.54,3.63]
Total (95% CI)	84	87								100%	1.73[0.98,3.06]
Total events: 25 (Treatment),	15 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.28, df=1(P=0.6); I ² =0%										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment n/N	Control n/N				sk Ra ixed,	tio 95% Cl			Weight	Risk Ratio M-H, Fixed, 95% Cl
Test for overall effect: Z=1.89(P=0.06)					I						
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.5. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 5 Neonatal hypoglyceamia.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	19/59	15/57			-	-	<u> </u>			62.66%	1.22[0.69,2.17]
Elliot 1998	11/25	10/30			-		<u> </u>			37.34%	1.32[0.67,2.58]
Total (95% CI)	84	87								100%	1.26[0.81,1.95]
Total events: 30 (Treatment),	25 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0	0.03, df=1(P=0.87); I ² =0%										
Test for overall effect: Z=1.04(P=0.3)										
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.6. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 6 Oxytocin augmentation.

Study or subgroup	Treatment	Control			Ris	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed,	95% CI				M-H, Fixed, 95% Cl
Elliot 1998	8/25	14/30								100%	0.69[0.34,1.36]
Total (95% CI)	25	30								100%	0.69[0.34,1.36]
Total events: 8 (Treatment), 14 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.08(P=0.28)											
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.7. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 7 Abnormal fetal heart pattern.

Study or subgroup	Mifepris- tone 50 mg	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		М-Н	, Fixed, 95%	5 CI			M-H, Fixed, 95% CI
Berkane 2005	11/59	6/57				-		62.66%	1.77[0.7,4.47]
Elliot 1998	6/25	4/30				_		37.34%	1.8[0.57,5.68]
Total (95% CI)	84	87			•			100%	1.78[0.87,3.67]
Total events: 17 (Mifepristone	50 mg), 10 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0), df=1(P=0.98); l ² =0%								
Test for overall effect: Z=1.57(P=0.12)								
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 9.8. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 8 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	0/59	4/57								100%	0.11[0.01,1.95]
Total (95% CI)	59	57								100%	0.11[0.01,1.95]
Total events: 0 (Treatment), 4 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.51(P=0.13)					1						
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.9. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 9 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	26/59	27/57			-	-				100%	0.93[0.63,1.38]
Total (95% CI)	59	57			-	\bullet				100%	0.93[0.63,1.38]
Total events: 26 (Treatment), 27 (Cont	rol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.36(P=0.72)			1								
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.10. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 10 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Berkane 2005	0/59	0/57									Not estimable
Total (95% CI)	59	57									Not estimable
Total events: 0 (Treatment), 0 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Not applicable											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.11. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 11 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control		Risk Ratio			Weight	Risk Ratio
	n/N	n/N	M-H	l, Fixed, 95 ^o	% CI			M-H, Fixed, 95% Cl
Berkane 2005	2/59	5/57		+			100%	0.39[0.08,1.91]
Total (95% CI)	59	57			I		100%	0.39[0.08,1.91]
	F	avours treatment 0.0	01 0.1	1	10	100	Favours control	



Study or subgroup	Treatment n/N	Control n/N		M-H	Risk Ratio I, Fixed, 9	-		Weight	Risk Ratio M-H, Fixed, 95% Cl
Total events: 2 (Treatment), 5 (Contro	l)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.17(P=0.24)							1		
		Favours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 9.15. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 15 Neonatal seizures.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	0/59	0/57									Not estimable
Total (95% CI)	59	57									Not estimable
Total events: 0 (Treatment), 0 (Control)											
Heterogeneity: Not applicable											
Test for overall effect: Not applicable											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 9.23. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		R	isk Ratio	D		Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95	5% CI			M-H, Fixed, 95% CI
Berkane 2005	9/59	4/57				_		100%	2.17[0.71,6.66]
Elliot 1998	0/25	0/30				-			Not estimable
Total (95% CI)	84	87						100%	2.17[0.71,6.66]
Total events: 9 (Treatment), 4 (Control)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.36(P=0.17)									
	Fa	avours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 9.25. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo		F	isk Ratio			Weight	Risk Ratio	
	n/N n/N			м-н,	Fixed, 95	% CI			M-H, Fixed, 95% CI	
Berkane 2005	2/59	8/57						100%	0.24[0.05,1.09]	
Elliot 1998	0/25	0/30							Not estimable	
Total (95% CI)	84	87						100%	0.24[0.05,1.09]	
Total events: 2 (Mifepristone), 8 (Place	bo)				İ					
Heterogeneity: Not applicable										
Test for overall effect: Z=1.85(P=0.06)										
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control		

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Analysis 9.26. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 95%	6 CI			M-H, Fixed, 95% Cl
Berkane 2005	10/59	6/57			-	-		100%	1.61[0.63,4.14]
Total (95% CI)	59	57			-			100%	1.61[0.63,4.14]
Total events: 10 (Mifepristone), 6 (I	Placebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.99(P=0.3	32)					1			
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 9.27. Comparison 9 Mifepristone single dose (50 mg) versus placebo, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	I, Fixed, 95%	5 CI			M-H, Fixed, 95% CI
Berkane 2005	8/59	6/57						100%	1.29[0.48,3.48]
Total (95% CI)	59	57			-			100%	1.29[0.48,3.48]
Total events: 8 (Mifepristone), 6 (Pla	cebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.5(P=0.62)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Comparison 10. Mifepristone single dose (200 mg) versus placebo

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Caesarean section	3	352	Risk Ratio (M-H, Fixed, 95% CI)	0.88 [0.59, 1.30]
3 Neonatal intensive care unit admission	3	352	Risk Ratio (M-H, Fixed, 95% CI)	1.16 [0.70, 1.92]
4 Instrumental vaginal delivery	2	172	Risk Ratio (M-H, Fixed, 95% CI)	1.78 [1.01, 3.13]
5 Neonatal hypoglyceamia	2	172	Risk Ratio (M-H, Fixed, 95% CI)	1.24 [0.80, 1.93]
6 Oxytocin augmentation	2	235	Risk Ratio (M-H, Fixed, 95% CI)	0.93 [0.71, 1.21]
8 Abnormal neonatal follow-up findings	1	117	Risk Ratio (M-H, Fixed, 95% CI)	1.14 [0.37, 3.53]
9 Apgar score < 7 at 5 minutes	2	297	Risk Ratio (M-H, Fixed, 95% CI)	0.71 [0.17, 2.88]

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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
10 Labour/cervical ripening within 54 hours	1	117	Risk Ratio (M-H, Fixed, 95% CI)	0.91 [0.61, 1.36]
11 Vaginal delivery within 24 hours	1	180	Risk Ratio (M-H, Fixed, 95% CI)	1.48 [0.75, 2.92]
13 Labour/cervical ripening within 72 hours	1	55	Risk Ratio (M-H, Fixed, 95% CI)	2.13 [1.15, 3.97]
19 Abnormal fetal heart pattern	3	352	Risk Ratio (M-H, Fixed, 95% CI)	2.37 [1.38, 4.05]
20 Uterine dehiscence/rupture	1	117	Risk Ratio (M-H, Fixed, 95% CI)	0.0 [0.0, 0.0]
23 Uterine hyperstimulation	3	352	Risk Ratio (M-H, Fixed, 95% CI)	1.73 [0.56, 5.36]
25 Caesarean section for unsuc- cessful labour induction	2	297	Risk Ratio (M-H, Fixed, 95% CI)	0.53 [0.21, 1.31]
26 Caesarean section for CTG abnormalities	3	352	Risk Ratio (M-H, Fixed, 95% CI)	1.74 [0.84, 3.61]
27 Caesarean section for arrest- ed labour	3	352	Risk Ratio (M-H, Fixed, 95% CI)	0.27 [0.12, 0.61]

Analysis 10.1. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 1 Caesarean section.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl		M-H, Fixed, 95% Cl
Berkane 2005	16/60	22/57	— <u>—</u> —	58.67%	0.69[0.41,1.18]
Elliot 1998	9/25	8/30		18.91%	1.35[0.61,2.98]
Wing 2000	9/97	8/83		22.42%	0.96[0.39,2.38]
Total (95% CI)	182	170	•	100%	0.88[0.59,1.3]
Total events: 34 (Treatment), 3	38 (Control)				
Heterogeneity: Tau ² =0; Chi ² =1	.95, df=2(P=0.38); I ² =0%				
Test for overall effect: Z=0.65(P=0.51)				
	_	0.1	0.2 0.5 1 2 5	10 -	

Favours treatment0.10.20.512510Favours control

Analysis 10.3. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 3 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control			Ri	isk Ra	tio			Weight	Risk Ratio
	n/N	n/N			М-Н, Р	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	15/60	10/57				_	-			43.68%	1.43[0.7,2.91]
Elliot 1998	0/25	1/30	←		+					5.83%	0.4[0.02,9.35]
Wing 2000	13/97	11/83				•				50.49%	1.01[0.48,2.14]
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control				sk Rat				Weight	Risk Ratio
	n/N	n/N			М-Н, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Total (95% CI)	182	170								100%	1.16[0.7,1.92]
Total events: 28 (Treatment), 22	(Control)										
Heterogeneity: Tau ² =0; Chi ² =0.8	9, df=2(P=0.64); I ² =0%										
Test for overall effect: Z=0.56(P=	:0.57)										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.4. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 4 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl								M-H, Fixed, 95% CI
Berkane 2005	19/60	9/57						-		62.86%	2.01[0.99,4.06]
Elliot 1998	7/25	6/30					•			37.14%	1.4[0.54,3.63]
Total (95% CI)	85	87								100%	1.78[1.01,3.13]
Total events: 26 (Treatment),	15 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0).35, df=1(P=0.55); l ² =0%										
Test for overall effect: Z=2(P=0	0.05)										
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.5. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 5 Neonatal hypoglyceamia.

Study or subgroup	Treatment	Control	Risk R	atio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed	l, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	20/60	15/57			62.86%	1.27[0.72,2.22]
Elliot 1998	10/25	10/30		.	37.14%	1.2[0.6,2.41]
Total (95% CI)	85	87			100%	1.24[0.8,1.93]
Total events: 30 (Treatment), 2	5 (Control)					
Heterogeneity: Tau ² =0; Chi ² =0.	01, df=1(P=0.91); I ² =0%					
Test for overall effect: Z=0.97(F	9=0.33)					
	E	wours troatmont	0.1 0.2 0.5 1	2 5	10 Envours control	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 10.6. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 6 Oxytocin augmentation.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Elliot 1998	12/25	14/30				-				21.95%	1.03[0.59,1.8]
Wing 2000	44/97	42/83			-	-				78.05%	0.9[0.66,1.22]
Total (95% CI)	122	113				•				100%	0.93[0.71,1.21]
Total events: 56 (Treatment), 56 (Co	ntrol)										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment n/N	Control n/N				sk Ra ixed,	atio , 95% Cl			Weight	Risk Ratio M-H, Fixed, 95% Cl
Heterogeneity: Tau ² =0; Chi ² =0.18, df=	=1(P=0.67); I ² =0%										
Test for overall effect: Z=0.57(P=0.57)	1										
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.8. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 8 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 95%	CI			M-H, Fixed, 95% CI
Berkane 2005	6/60	5/57						100%	1.14[0.37,3.53]
Total (95% CI)	60	57			-			100%	1.14[0.37,3.53]
Total events: 6 (Treatment), 5 (Control)									
Heterogeneity: Not applicable									
Test for overall effect: Z=0.23(P=0.82)									
	Fa	avours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 10.9. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 9 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	1/60	4/57	•	-						88.4%	0.24[0.03,2.06]
Wing 2000	2/97	0/83						+	→	11.6%	4.29[0.21,88.03]
Total (95% CI)	157	140								100%	0.71[0.17,2.88]
Total events: 3 (Treatment), 4 (Co	ontrol)										
Heterogeneity: Tau ² =0; Chi ² =2.34	l, df=1(P=0.13); l ² =57.35%										
Test for overall effect: Z=0.48(P=0	0.63)										
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.10. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 10 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	5% CI				M-H, Fixed, 95% CI
Berkane 2005	26/60	27/57				-				100%	0.91[0.61,1.36]
Total (95% CI)	60	57			•	\blacklozenge				100%	0.91[0.61,1.36]
Total events: 26 (Treatment), 27 (Cont	rol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.44(P=0.66)			L								
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Analysis 10.11. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 11 Vaginal delivery within 24 hours.

Study or subgroup	Treatment	Control			Ris	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	95% CI				M-H, Fixed, 95% CI
Wing 2000	19/97	11/83	-				+			100%	1.48[0.75,2.92]
Total (95% CI)	97	83								100%	1.48[0.75,2.92]
Total events: 19 (Treatment), 11 (Con	trol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.12(P=0.26)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.13. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 13 Labour/cervical ripening within 72 hours.

Study or subgroup	ogroup Treatment Control Risk Ratio		Weight	Risk Ratio	
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Elliot 1998	16/25	9/30		100%	2.13[1.15,3.97]
Total (95% CI)	25	30		100%	2.13[1.15,3.97]
Total events: 16 (Treatment), 9 (Cor	ntrol)				
Heterogeneity: Not applicable					
Test for overall effect: Z=2.39(P=0.0	2)			1	
		wours trootmont	01 02 05 1 2 5	10 Fourier control	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 10.19. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 19 Abnormal fetal heart pattern.

Study or subgroup	Mifepris- tone 50 mg	Placebo		Risk Ratio			Weight	Risk Ratio	
	n/N	n/N		M-H	l, Fixed, 95	% CI			M-H, Fixed, 95% CI
Berkane 2005	9/60	6/57				_		37.85%	1.43[0.54,3.75]
Elliot 1998	12/25	4/30			—	•		22.37%	3.6[1.33,9.78]
Wing 2000	18/97	6/83				—		39.78%	2.57[1.07,6.17]
Total (95% CI)	182	170			-	•		100%	2.37[1.38,4.05]
Total events: 39 (Mifepristone	e 50 mg), 16 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =1	1.77, df=2(P=0.41); l ² =0%								
Test for overall effect: Z=3.14((P=0)								
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 10.20. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 20 Uterine dehiscence/rupture.

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Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	0/60	0/57									Not estimable
Total (95% CI)	60	57				ĺ					Not estimable
Total events: 0 (Treatment), 0 (Control)											
Heterogeneity: Not applicable											
Test for overall effect: Not applicable											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 10.23. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		R	isk Ratio			Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	4/60	4/57		-				88.4%	0.95[0.25,3.62]
Elliot 1998	0/25	0/30			T				Not estimable
Wing 2000	4/97	0/83				+		11.6%	7.71[0.42,141.21]
Total (95% CI)	182	170						100%	1.73[0.56,5.36]
Total events: 8 (Treatment), 4	(Control)								
Heterogeneity: Tau ² =0; Chi ² =1	L.79, df=1(P=0.18); l ² =44.15%)							
Test for overall effect: Z=0.96(P=0.34)								
	F	avours treatment	0.005	0.1	1	10	200	Favours control	

Favours treatment 0.005 0.1 1 10 200 Favours control

Analysis 10.25. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo		Risk	Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fix	ed, 95% CI			M-H, Fixed, 95% Cl
Berkane 2005	6/60	8/57		<mark></mark>			68.52%	0.71[0.26,1.93]
Wing 2000	0/97	3/83	←				31.48%	0.12[0.01,2.34]
Total (95% CI)	157	140			-		100%	0.53[0.21,1.31]
Total events: 6 (Mifepristone), 12	1 (Placebo)							
Heterogeneity: Tau ² =0; Chi ² =1.2	9, df=1(P=0.26); I ² =22.77%							
Test for overall effect: Z=1.38(P=	:0.17)					1		
	Favoi	urs experimental	0.01	0.1	1 10	100	Favours control	

Analysis 10.26. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 959	% CI			M-H, Fixed, 95% Cl
Berkane 2005	6/60	6/57			— <mark>—</mark> —			61.79%	0.95[0.33,2.78]
Elliot 1998	8/25	3/30						27.39%	3.2[0.95,10.8]
Wing 2000	3/97	1/83			+			10.82%	2.57[0.27,24.21]
Total (95% CI)	182	170			•			100%	1.74[0.84,3.61]
Total events: 17 (Mifepristone	e), 10 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =2	2.3, df=2(P=0.32); I ² =13.2%								
Test for overall effect: Z=1.49	(P=0.14)								
	Favoi	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 10.27. Comparison 10 Mifepristone single dose (200 mg) versus placebo, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		R	sk Ratio	b		Weight	Risk Ratio
	n/N	n/N		м-н, і	ixed, 95	5% CI			M-H, Fixed, 95% CI
Berkane 2005	1/60	6/57		•	+			24.9%	0.16[0.02,1.27]
Elliot 1998	1/25	5/30	-	•				18.39%	0.24[0.03,1.92]
Wing 2000	5/97	13/83			—			56.7%	0.33[0.12,0.88]
Total (95% CI)	182	170		-	•			100%	0.27[0.12,0.61]
Total events: 7 (Mifepristone),	24 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0.	.42, df=2(P=0.81); I ² =0%								
Test for overall effect: Z=3.13(F	P=0)					1			
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Comparison 11. Mifepristone single dose (400 mg) versus placebo

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Caesarean section	4	282	Risk Ratio (M-H, Fixed, 95% CI)	0.94 [0.67, 1.31]
3 Neonatal intensive care ad- mission	2	196	Risk Ratio (M-H, Fixed, 95% CI)	1.24 [0.65, 2.36]
4 Instrumental vaginal delivery	3	232	Risk Ratio (M-H, Fixed, 95% CI)	1.89 [1.09, 3.29]
5 Neonatal hypoglyceamia	2	196	Risk Ratio (M-H, Fixed, 95% CI)	0.70 [0.39, 1.25]
6 Oxytocin augmentation	2	119	Risk Ratio (M-H, Fixed, 95% CI)	0.83 [0.61, 1.13]
8 Abnormal neonatal fol- low-up findings	3	225	Risk Ratio (M-H, Fixed, 95% CI)	1.06 [0.40, 2.77]
11 Uterine dehiscence/rupture	1	113	Risk Ratio (M-H, Fixed, 95% CI)	3.05 [0.13, 73.38]

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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
12 Labour/cervical ripening within 54 hours	1	346	Risk Ratio (M-H, Fixed, 95% CI)	1.02 [0.74, 1.40]
13 Apgar score < 7 at 5 minutes	2	196	Risk Ratio (M-H, Fixed, 95% CI)	0.51 [0.10, 2.67]
14 Neonatal intensive care unit admission	2	196	Risk Ratio (M-H, Fixed, 95% CI)	1.24 [0.65, 2.36]
15 Abnormal fetal heart rate pattern	2	196	Risk Ratio (M-H, Fixed, 95% CI)	1.11 [0.70, 1.77]
23 Uterine hyperstimulation	2	196	Risk Ratio (M-H, Fixed, 95% CI)	2.60 [0.91, 7.45]
25 Caesarean section for un- successful labour induction	3	232	Risk Ratio (M-H, Fixed, 95% CI)	0.70 [0.27, 1.79]
26 Caesarean section for CTG abnormalities	3	232	Risk Ratio (M-H, Fixed, 95% CI)	0.99 [0.50, 1.97]
27 Caesarean section for ar- rested labour	3	232	Risk Ratio (M-H, Fixed, 95% CI)	1.35 [0.66, 2.79]
28 Labour/cervical ripening within 48 hours	3	169	Risk Ratio (M-H, Fixed, 95% CI)	2.14 [1.50, 3.07]
32 Neonatal seizures	2	149	Risk Ratio (M-H, Fixed, 95% CI)	1.56 [0.07, 35.67]

Analysis 11.1. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 1 Caesarean section.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed, 9	5% CI				M-H, Fixed, 95% Cl
Berkane 2005	22/56	22/57			_	-	_			48.75%	1.02[0.64,1.62]
Giacalone 1998	7/41	6/42				+				13.25%	1.2[0.44,3.25]
Stenlund 1999	4/24	3/12			•					8.94%	0.67[0.18,2.51]
Thakur 2005	10/25	13/25				•				29.06%	0.77[0.42,1.42]
Total (95% CI)	146	136				\blacklozenge				100%	0.94[0.67,1.31]
Total events: 43 (Treatment), 4	44 (Control)										
Heterogeneity: Tau ² =0; Chi ² =1	, df=3(P=0.8); l ² =0%										
Test for overall effect: Z=0.37(P=0.71)										
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 11.3. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 3 Neonatal intensive care admission.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Berkane 2005	12/56	10/57			_	-	<u> </u>			71.49%	1.22[0.57,2.6]
Giacalone 1998	5/41	4/42				-		_		28.51%	1.28[0.37,4.44]
Total (95% CI)	97	99			-					100%	1.24[0.65,2.36]
Total events: 17 (Treatment),	14 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0), df=1(P=0.95); l ² =0%										
Test for overall effect: Z=0.65(P=0.52)										
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 11.4. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 4 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio M-H, Fixed, 95% CI
	n/N	n/N	M-H, Fixed, 95% Cl		
Berkane 2005	16/56	9/57		55.13%	1.81[0.87,3.75]
Giacalone 1998	9/41	6/42		36.63%	1.54[0.6,3.93]
Stenlund 1999	8/24	1/12		8.24%	4[0.56,28.4]
Total (95% CI)	121	111	-	100%	1.89[1.09,3.29]
Total events: 33 (Treatment), 16	(Control)				
Heterogeneity: Tau ² =0; Chi ² =0.7	6, df=2(P=0.68); l ² =0%				
Test for overall effect: Z=2.26(P=	:0.02)				

Favours treatment0.10.20.512510Favours control

Analysis 11.5. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 5 Neonatal hypoglyceamia.

Study or subgroup	Treatment	Control			Ri	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	5% CI				M-H, Fixed, 95% Cl
Berkane 2005	13/56	15/57				-	_			68.25%	0.88[0.46,1.68]
Giacalone 1998	2/41	7/42	←							31.75%	0.29[0.06,1.33]
Total (95% CI)	97	99								100%	0.7[0.39,1.25]
Total events: 15 (Treatment), 22	(Control)										
Heterogeneity: Tau ² =0; Chi ² =1.78	8, df=1(P=0.18); I ² =43.92%										
Test for overall effect: Z=1.22(P=0	0.22)										
	Fa	ours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 11.6. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 6 Oxytocin augmentation.

Study or subgroup	Treatment	Control			Ris	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed, 9	5% CI				M-H, Fixed, 95% Cl
Giacalone 1998	19/41	25/42								67.3%	0.78[0.52,1.18]
Stenlund 1999	17/24	9/12			_	-				32.7%	0.94[0.62,1.43]
Total (95% CI)	65	54			-					100%	0.83[0.61,1.13]
Total events: 36 (Treatment), 34	4 (Control)										
Heterogeneity: Tau ² =0; Chi ² =0.4	45, df=1(P=0.5); I ² =0%										
Test for overall effect: Z=1.17(P	=0.24)						1				
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 11.8. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 8 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control			Risk Ratio			Weight	Risk Ratio	
	n/N	n/N n/N				CI			M-H, Fixed, 95% CI	
Berkane 2005	2/56	5/57						65.09%	0.41[0.08,2.01]	
Giacalone 1998	5/38	2/38						26.27%	2.5[0.52,12.1]	
Stenlund 1999	1/24	0/12					_	8.64%	1.56[0.07,35.67]	
Total (95% CI)	118	107			•			100%	1.06[0.4,2.77]	
Total events: 8 (Treatment), 7	(Control)									
Heterogeneity: Tau ² =0; Chi ² =2	2.57, df=2(P=0.28); I ² =22.29%									
Test for overall effect: Z=0.11(P=0.91)									
	Fa	avours treatment	0.01	0.1	1	10	100	Favours control		

Favours treatment 0.01 ¹⁰⁰ Favours control

Analysis 11.11. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 11 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control			Ri	sk Ra	atio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	, 95% CI				M-H, Fixed, 95% Cl
Berkane 2005	1/56	0/57	-				-		-	100%	3.05[0.13,73.38]
Total (95% CI)	56	57								100%	3.05[0.13,73.38]
Total events: 1 (Treatment), 0 (Control)											
Heterogeneity: Not applicable											
Test for overall effect: Z=0.69(P=0.49)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Favours treatment Favours control

Analysis 11.12. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 12 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment n/N	Control n/N		Risk Ratio M-H, Fixed, 95% Cl					Weight	Risk Ratio M-H. Fixed, 95% Cl	
Berkane 2005	129/289	25/57			M-n, r	-ixeu, :	- -			100%	1.02[0.74,1.4]
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Total (95% CI)	289	57				\blacklozenge				100%	1.02[0.74,1.4]
Total events: 129 (Treatment), 25 (Cor	ntrol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.11(P=0.91)				1							
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 11.13. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 13 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control			Ris	sk Rat	tio				Weight	Risk Ratio
	n/N	n/N			M-H, Fi	xed,	95% CI					M-H, Fixed, 95% CI
Berkane 2005	2/56	4/57	←		-	_					100%	0.51[0.1,2.67]
Giacalone 1998	0/41	0/42										Not estimable
Total (95% CI)	97	99	_								100%	0.51[0.1,2.67]
Total events: 2 (Treatment), 4 (Control))											
Heterogeneity: Not applicable												
Test for overall effect: Z=0.8(P=0.42)												
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	5	10	Favours control	

Analysis 11.14. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 14 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control		Risk Ratio	Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% Cl		M-H, Fixed, 95% Cl
Berkane 2005	12/56	10/57			71.49%	1.22[0.57,2.6]
Giacalone 1998	5/41	4/42			28.51%	1.28[0.37,4.44]
Total (95% CI)	97	99			100%	1.24[0.65,2.36]
Total events: 17 (Treatment),	14 (Control)					
Heterogeneity: Tau ² =0; Chi ² =0	, df=1(P=0.95); I ² =0%					
Test for overall effect: Z=0.65(I	P=0.52)					
	E.	wours trootmont	01 02	0.5 1 2	5 10 Fourier control	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 11.15. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 15 Abnormal fetal heart rate pattern.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 95%	6 CI			M-H, Fixed, 95% CI
Berkane 2005	8/56	6/57						26.15%	1.36[0.5,3.66]
Giacalone 1998	17/41	17/42			-			73.85%	1.02[0.61,1.72]
Total (95% CI)	97	99			•			100%	1.11[0.7,1.77]
	Favo	Favours experimental		0.1	1	10	100	Favours control	

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Study or subgroup	Mifepristone	epristone Placebo			Risk Ratio)		Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 95	% CI			M-H, Fixed, 95% CI
Total events: 25 (Mifepriston	e), 23 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =	=0.25, df=1(P=0.62); l ² =0%								
Test for overall effect: Z=0.45	6(P=0.66)								
	Favo	ours experimental	0.01	0.1	1	10	100	Favours control	

Analysis 11.23. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 9	5% CI			M-H, Fixed, 95% CI
Berkane 2005	7/56	4/57				<u> </u>		88.92%	1.78[0.55,5.75]
Giacalone 1998	4/41	0/42				+		11.08%	9.21[0.51,165.9]
Total (95% CI)	97	99						100%	2.6[0.91,7.45]
Total events: 11 (Treatment),	4 (Control)								
Heterogeneity: Tau ² =0; Chi ² =1	14, df=1(P=0.29); I ² =12.12%								
Test for overall effect: Z=1.78(P=0.07)								
	Fa	vours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 11.25. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Mifepristone Placebo Risk Ratio						Weight	Risk Ratio
	n/N	n/N		M-H	<mark>ا, Fixed, 95</mark> ۹	% CI			M-H, Fixed, 95% Cl
Berkane 2005	6/56	8/57			— <mark>—</mark>			84.25%	0.76[0.28,2.06]
Giacalone 1998	0/41	1/42			•			15.75%	0.34[0.01,8.14]
Stenlund 1999	0/24	0/12							Not estimable
Total (95% CI)	121	111			-			100%	0.7[0.27,1.79]
Total events: 6 (Mifepristone),	, 9 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0	0.23, df=1(P=0.63); I ² =0%								
Test for overall effect: Z=0.75(P=0.45)						1		
	Favou	ırs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 11.26. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo		Risk Ratio			Weight	Risk Ratio
	n/N	n/N	М-Н,	Fixed, 95% C	I			M-H, Fixed, 95% CI
Berkane 2005	8/56	6/57					42.79%	1.36[0.5,3.66]
Giacalone 1998	3/41	4/42					28.43%	0.77[0.18,3.22]
Stenlund 1999	4/24	3/12					28.78%	0.67[0.18,2.51]
Total (95% CI)	121	111		•			100%	0.99[0.5,1.97]
	Favo	urs experimental	0.01 0.1	1	10	100	Favours control	

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Study or subgroup	Mifepristone	Mifepristone Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	, Fixed, 95	% CI			M-H, Fixed, 95% Cl
Total events: 15 (Mifepriston	e), 13 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =	0.85, df=2(P=0.65); l ² =0%								
Test for overall effect: Z=0.03	(P=0.98)								
	Favo	ours experimental	0.01	0.1	1	10	100	Favours control	

Analysis 11.27. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	I, Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	8/56	6/57			— <mark>—</mark> —			54.38%	1.36[0.5,3.66]
Giacalone 1998	4/41	1/42			+			9.03%	4.1[0.48,35.13]
Stenlund 1999	4/24	3/12		_				36.58%	0.67[0.18,2.51]
Total (95% CI)	121	111			•			100%	1.35[0.66,2.79]
Total events: 16 (Mifepristone	e), 10 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =2	2.11, df=2(P=0.35); I ² =5.39%								
Test for overall effect: Z=0.82((P=0.41)								
	Favou	ırs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 11.28. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 28 Labour/cervical ripening within 48 hours.

Study or subgroup	Treatment	Control			Ri	sk Ra	itio			Weight	Risk Ratio	
	n/N	n/N		M-H, Fixed, 95% Cl							M-H, Fixed, 95% CI	
Giacalone 1998	28/41	14/42						-		54.24%	2.05[1.27,3.3]	
Stenlund 1999	20/24	5/12				-				26.15%	2[1,4]	
Thakur 2005	13/25	5/25				-	•		-	19.61%	2.6[1.09,6.2]	
Total (95% CI)	90	79					•			100%	2.14[1.5,3.07]	
Total events: 61 (Treatment),	24 (Control)											
Heterogeneity: Tau ² =0; Chi ² =0	0.26, df=2(P=0.88); I ² =0%											
Test for overall effect: Z=4.15((P<0.0001)											
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Eavours control		

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 11.32. Comparison 11 Mifepristone single dose (400 mg) versus placebo, Outcome 32 Neonatal seizures.

Study or subgroup	Treatment	Control	Risk Ratio					Weight	Risk Ratio			
	n/N	n/N			М-Н, Р	ixed,	95% (.1				M-H, Fixed, 95% CI
Berkane 2005	0/56	0/57										Not estimable
Stenlund 1999	1/24	0/12	◀				1			→	100%	1.56[0.07,35.67]
Total (95% CI)	80	69									100%	1.56[0.07,35.67]
Total events: 1 (Treatment), 0 (Control))											
	Fa	vours treatment	0.1	0.2	0.5	1	2		5	10	Favours control	

Mifepristone for induction of labour (Review)



Study or subgroup	Treatment n/N	Control n/N	Risk Ratio M-H, Fixed, 95% Cl						Weight	Risk Ratio M-H, Fixed, 95% Cl	
Heterogeneity: Not applicable											
Test for overall effect: Z=0.28(P=0.78)					1						
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Comparison 12. Mifepristone single dose (600 mg) versus placebo

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Caesarean section	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.75 [0.44, 1.25]
2 Labour/cervical ripening with- in 54 hours	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.06 [0.75, 1.52]
3 Neonatal intensive care ad- mission	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.45 [0.71, 2.96]
4 Neonatal hypoglyceamia	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.90 [0.48, 1.69]
6 Apgar scores < 7 at 5 minutes	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.97 [0.25, 3.68]
7 Instrumental vaginal deliver- ies	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.93 [0.95, 3.94]
8 Abnormal neonatal follow-up findings	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.93 [0.70, 5.30]
15 Uterine dehiscence/rupture	1	116	Risk Ratio (M-H, Fixed, 95% CI)	2.9 [0.12, 69.75]
16 Abnormal fetal heart rate pattern	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.77 [0.70, 4.47]
23 Uterine hyperstimulation	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.97 [0.25, 3.68]
25 Caesarean section for unsuc- cessful labour induction	1	116	Risk Ratio (M-H, Fixed, 95% CI)	0.36 [0.10, 1.30]
26 Caesarean section for CTG abnormalities	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.45 [0.55, 3.81]
27 Caesarean section for arrest- ed labour	1	116	Risk Ratio (M-H, Fixed, 95% CI)	1.45 [0.55, 3.81]

Analysis 12.1. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 1 Caesarean section.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			М-Н, Р	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	17/59	22/57								100%	0.75[0.44,1.25]
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Mifepristone for induction of labour (Review)



Study or subgroup	Treatment	Control			Ri	k Rat	tio			Weight	Risk Ratio
	n/N	n/N			M-H, F	xed, 9	95% CI				M-H, Fixed, 95% CI
Total (95% CI)	59	57								100%	0.75[0.44,1.25]
Total events: 17 (Treatment), 22 (Contro	ol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.11(P=0.27)				1	1						
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 12.2. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 2 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			М-Н, F	ixed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	32/59	27/53				-	-			100%	1.06[0.75,1.52]
Total (95% CI)	59	53				\blacklozenge	•			100%	1.06[0.75,1.52]
Total events: 32 (Treatment), 27 (Cont	rol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.35(P=0.73)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 12.3. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 3 Neonatal intensive care admission.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl		M-H, Fixed, 95% Cl
Berkane 2005	15/59	10/57		100%	1.45[0.71,2.96]
Total (95% CI)	59	57		100%	1.45[0.71,2.96]
Total events: 15 (Treatment), 10 (Co	ontrol)				
Heterogeneity: Not applicable					
Test for overall effect: Z=1.02(P=0.3)	1)				
	F.		01 02 05 1 2 5	10	

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 12.4. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 4 Neonatal hypoglyceamia.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, Fi	ixed, 9	5% CI				M-H, Fixed, 95% Cl
Berkane 2005	14/59	15/57			_		_			100%	0.9[0.48,1.69]
Total (95% CI)	59	57				\rightarrow	-			100%	0.9[0.48,1.69]
Total events: 14 (Treatment), 15 (Cont	ol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.32(P=0.75)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Analysis 12.6. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 6 Apgar scores < 7 at 5 minutes.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	4/59	4/57		_				-		100%	0.97[0.25,3.68]
Total (95% CI)	59	57		-				-		100%	0.97[0.25,3.68]
Total events: 4 (Treatment), 4 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.05(P=0.96)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 12.7. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 7 Instrumental vaginal deliveries.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% CI		M-H, Fixed, 95% CI
Berkane 2005	18/59	9/57		100%	1.93[0.95,3.94]
Total (95% CI)	59	57		100%	1.93[0.95,3.94]
Total events: 18 (Treatment), 9	9 (Control)				
Heterogeneity: Tau ² =0; Chi ² =0	, df=0(P<0.0001); l ² =100%				
Test for overall effect: Z=1.81(P=0.07)				

Favours treatment 0.1 0.2 0.5 1 2 5 10 Favours control

Analysis 12.8. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 8 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control	Risk Ratio	Weight	Risk Ratio
	n/N	n/N	M-H, Fixed, 95% Cl		M-H, Fixed, 95% Cl
Berkane 2005	10/59	5/57	+	100%	1.93[0.7,5.3]
Total (95% CI)	59	57		100%	1.93[0.7,5.3]
Total events: 10 (Treatment), 5 (Contr	ol)				
Heterogeneity: Not applicable					
Test for overall effect: Z=1.28(P=0.2)				_1	
	E	Nours treatment 0.0	1 01 1 10 10		

Favours treatment 0.01 0.1 1 10 100 Favours control

Analysis 12.15. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 15 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	1/59	0/57		1	1					100%	2.9[0.12,69.75]
		Favours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Study or subgroup	Treatment	Control			Ri	sk Ra	tio			Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% Cl				M-H, Fixed, 95% CI			
Total (95% CI)	59	57								100%	2.9[0.12,69.75]
Total events: 1 (Treatment), 0 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.66(P=0.51)									1		
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 12.16. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 16 Abnormal fetal heart rate pattern.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H	I, Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	11/59	6/57				-		100%	1.77[0.7,4.47]
Total (95% CI)	59	57			-			100%	1.77[0.7,4.47]
Total events: 11 (Mifepristone	e), 6 (Placebo)								
Heterogeneity: Tau ² =0; Chi ² =0	0, df=0(P<0.0001); l ² =100%								
Test for overall effect: Z=1.21((P=0.23)								
	Favoi	ırs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 12.23. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		м-н,	Fixed, 9	5% CI			M-H, Fixed, 95% Cl
Berkane 2005	4/59	4/57		-	-	-		100%	0.97[0.25,3.68]
Total (95% CI)	59	57		-	\blacklozenge	-		100%	0.97[0.25,3.68]
Total events: 4 (Treatment), 4 (Control)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.05(P=0.96)									
	Fa	avours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 12.25. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo		Risk Ratio				Weight	Risk Ratio
	n/N	n/N		M-H, Fixe	ed, 95% CI				M-H, Fixed, 95% CI
Berkane 2005	3/59	8/57						100%	0.36[0.1,1.3
Total (95% CI)	59	57						100%	0.36[0.1,1.3
Total events: 3 (Mifepristone), 8 (Plac	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.56(P=0.12)				1					
	Favou	ırs experimental	0.01 0	0.1	1	10	100	Favours control	

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Analysis 12.26. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		M-H	, Fixed, 95%	6 CI			M-H, Fixed, 95% Cl
Berkane 2005	9/59	6/57			-	-		100%	1.45[0.55,3.81]
Total (95% CI)	59	57			-			100%	1.45[0.55,3.81]
Total events: 9 (Mifepristone), 6 (Pla	cebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.75(P=0.45	5)								
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 12.27. Comparison 12 Mifepristone single dose (600 mg) versus placebo, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		M-H	I, Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	9/59	6/57						100%	1.45[0.55,3.81]
Total (95% CI)	59	57			-			100%	1.45[0.55,3.81]
Total events: 9 (Mifepristone), 6 (Plac	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.75(P=0.45)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Comparison 13. MIfepristone single dose (100 mg) versus placebo

Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
1 Caesarean section	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.80 [0.48, 1.34]
2 Labour/cervical ripening with- in 54 hours	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.12 [0.75, 1.67]
3 Neonatal intensive care unit admission	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.83 [0.35, 1.95]
4 Instrumental vaginal delivery	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.04 [0.44, 2.42]
5 Neonatal hypoglycaemia	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.17 [0.65, 2.11]
6 Abnormal fetal heart rate pat- tern	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.21 [0.43, 3.37]
7 Apgar score < 7 at 5 minutes	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.12 [0.01, 2.09]

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Outcome or subgroup title	No. of studies	No. of partici- pants	Statistical method	Effect size
8 Abnormal neonatal follow-up findings	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.04 [0.32, 3.38]
15 Uterine dehiscence/rupture	1	112	Risk Ratio (M-H, Fixed, 95% CI)	3.11 [0.13, 74.68]
23 Uterine hyperstimulation	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.78 [0.18, 3.31]
25 Caesarean section for unsuc- cessful labour induction	1	112	Risk Ratio (M-H, Fixed, 95% CI)	0.39 [0.11, 1.39]
26 Caesarean section for CTG abnormalities	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.04 [0.36, 3.02]
27 Caesarean section for arrest- ed labour	1	112	Risk Ratio (M-H, Fixed, 95% CI)	1.04 [0.36, 3.02]

Analysis 13.1. Comparison 13 MI fepristone single dose (100 mg) versus placebo, Outcome 1 Caesarean section.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, F	ixed, 9	5% CI				M-H, Fixed, 95% Cl
Berkane 2005	17/55	22/57			_	-				100%	0.8[0.48,1.34]
Total (95% CI)	55	57								100%	0.8[0.48,1.34]
Total events: 17 (Treatment), 22	(Control)										
Heterogeneity: Tau ² =0; Chi ² =0, o	df=0(P<0.0001); I ² =100%										
Test for overall effect: Z=0.85(P=	:0.4)										
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Favours treatment Favours control

Analysis 13.2. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 2 Labour/cervical ripening within 54 hours.

Study or subgroup	Treatment	Control		Risk Ratio		Weight	Risk Ratio
	n/N	n/N		M-H, Fixed, 95% CI			M-H, Fixed, 95% CI
Berkane 2005	27/55	25/57				100%	1.12[0.75,1.67]
Total (95% CI)	55	57		-		100%	1.12[0.75,1.67]
Total events: 27 (Treatment), 25 (Con	trol)						
Heterogeneity: Not applicable							
Test for overall effect: Z=0.55(P=0.58)							
	Fa	vours treatment	0.1 0.2	0.5 1 2	5 10	Favours control	

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Analysis 13.3. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 3 Neonatal intensive care unit admission.

Study or subgroup	Treatment	Control			Ri	sk Rat	tio			Weight	Risk Ratio
	n/N	n/N			М-Н, F	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	8/55	10/57				+				100%	0.83[0.35,1.95]
Total (95% CI)	55	57								100%	0.83[0.35,1.95]
Total events: 8 (Treatment), 10 (Contro)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.43(P=0.67)											
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 13.4. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 4 Instrumental vaginal delivery.

Study or subgroup	Treatment	Control		Risk Ratio					Weight	Risk Ratio	
	n/N	n/N			M-H, Fi	xed, 9	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	9/55	9/57								100%	1.04[0.44,2.42]
Total (95% CI)	55	57								100%	1.04[0.44,2.42]
Total events: 9 (Treatment), 9 (Control)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.08(P=0.93)								1			
	Fa	vours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 13.5. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 5 Neonatal hypoglycaemia.

Study or subgroup	Treatment	Control		Risk Ratio				Weight	Risk Ratio		
	n/N	n/N			M-H, F	ixed, 9	95% CI				M-H, Fixed, 95% CI
Berkane 2005	17/55	15/57			-	-				100%	1.17[0.65,2.11]
Total (95% CI)	55	57			-					100%	1.17[0.65,2.11]
Total events: 17 (Treatment), 15 (Contr	rol)										
Heterogeneity: Not applicable											
Test for overall effect: Z=0.54(P=0.59)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 13.6. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 6 Abnormal fetal heart rate pattern.

Study or subgroup	Mifepristone	Placebo	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		M-H	l, Fixed, 95%	∕₀ CI			M-H, Fixed, 95% CI
Berkane 2005	7/55	6/57						100%	1.21[0.43,3.37]
Total (95% CI)	55	57			•			100%	1.21[0.43,3.37]
	Favou	ırs experimental	0.01	0.1	1	10	100	Favours control	



Study or subgroup	Mifepristone n/N	Placebo n/N	Risk Ratio M-H, Fixed, 95% Cl					Weight	Risk Ratio M-H, Fixed, 95% Cl
Total events: 7 (Mifepristone), 6	6 (Placebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.36(P	=0.72)								
	Favo	ours experimental	0.01	0.1	1	10	100	Favours control	

Analysis 13.7. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 7 Apgar score < 7 at 5 minutes.

Study or subgroup	Treatment	Control	Risk Ratio				Weight	Risk Ratio			
	n/N	n/N			M-H, F	ixed,	95% CI				M-H, Fixed, 95% CI
Berkane 2005	0/55	4/57								100%	0.12[0.01,2.09]
Total (95% CI)	55	57								100%	0.12[0.01,2.09]
Total events: 0 (Treatment), 4 (Control))										
Heterogeneity: Not applicable											
Test for overall effect: Z=1.46(P=0.14)											
	Fa	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

Analysis 13.8. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 8 Abnormal neonatal follow-up findings.

Study or subgroup	Treatment	Control	Risk Ratio				Weight	Risk Ratio	
	n/N	n/N		M-H	l, Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	5/55	5/57						100%	1.04[0.32,3.38]
Total (95% CI)	55	57			\bullet			100%	1.04[0.32,3.38]
Total events: 5 (Treatment), 5 (Control)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.06(P=0.95)									
	Fa	vours treatment	0.01	0.1	1	10	100	Favours control	

Analysis 13.15. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 15 Uterine dehiscence/rupture.

Study or subgroup	Treatment	Control			Ris	sk Rat	io			Weight	Risk Ratio
	n/N	n/N			M-H, Fi	ixed,	95% CI				M-H, Fixed, 95% Cl
Berkane 2005	1/55	0/57	-			-	1		-	100%	3.11[0.13,74.68]
Total (95% CI)	55	57	_							100%	3.11[0.13,74.68]
Total events: 1 (Treatment), 0 (Control)											
Heterogeneity: Not applicable											
Test for overall effect: Z=0.7(P=0.48)											
	F	avours treatment	0.1	0.2	0.5	1	2	5	10	Favours control	

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Analysis 13.23. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 23 Uterine hyperstimulation.

Study or subgroup	Treatment	Control		R	isk Ratio	D		Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 9	5% CI			M-H, Fixed, 95% CI
Berkane 2005	3/55	4/57						100%	0.78[0.18,3.31]
Total (95% CI)	55	57			$ \rightarrow $			100%	0.78[0.18,3.31]
Total events: 3 (Treatment), 4 (Control)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.34(P=0.73)									
	Fa	avours treatment	0.005	0.1	1	10	200	Favours control	

Analysis 13.25. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 25 Caesarean section for unsuccessful labour induction.

Study or subgroup	Mifepristone	Placebo		1	Risk Ratio			Weight	Risk Ratio
	n/N	n/N		М-Н,	Fixed, 95%	CI			M-H, Fixed, 95% Cl
Berkane 2005	3/55	8/57						100%	0.39[0.11,1.39]
Total (95% CI)	55	57						100%	0.39[0.11,1.39]
Total events: 3 (Mifepristone), 8 (Place	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=1.45(P=0.15)									
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Analysis 13.26. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 26 Caesarean section for CTG abnormalities.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		м-н,	Fixed, 95%	6 CI			M-H, Fixed, 95% CI
Berkane 2005	6/55	6/57						100%	1.04[0.36,3.02]
Total (95% CI)	55	57			\bullet			100%	1.04[0.36,3.02]
Total events: 6 (Mifepristone), 6 (Plac	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.07(P=0.95)				1					
	Favo	urs experimental	0.01	0.1	1	10	100	Favours control	

Favours experimental Favours control

Analysis 13.27. Comparison 13 MIfepristone single dose (100 mg) versus placebo, Outcome 27 Caesarean section for arrested labour.

Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 95 ^o	% CI			M-H, Fixed, 95% Cl
Berkane 2005	6/55	6/57						100%	1.04[0.36,3.02]
	Favou	ırs experimental	0.01	0.1	1	10	100	Favours control	

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Study or subgroup	Mifepristone	Placebo			Risk Ratio			Weight	Risk Ratio
	n/N	n/N		M-H	l, Fixed, 95	% CI			M-H, Fixed, 95% CI
Total (95% CI)	55	57			-			100%	1.04[0.36,3.02]
Total events: 6 (Mifepristone), 6 (Plac	ebo)								
Heterogeneity: Not applicable									
Test for overall effect: Z=0.07(P=0.95)									
	Favor	urs experimental	0.01	0.1	1	10	100	Favours control	

ADDITIONAL TABLES

Table 1. Methodological quality of trials

Methodological item	Adequate	Inadequate
Generation of ran- dom sequence	Computer-generated sequence, random number tables, lot drawing, coin tossing, shuffling cards, throwing dice.	Case number, date of birth, date of admis- sion, alternation.
Concealment of allo- cation	Central randomisation, coded drug boxes, sequentially sealed opaque envelopes.	Open allocation sequence, any procedure based on inadequate generation.

APPENDICES

Appendix 1. Methods used to assess trials included in the previous version of this review

Information is extracted regarding the methodological quality of trials on a number of levels. This process is completed without consideration of trial results. Assessment of selection bias examines the process involved in the generation of the random sequence and the method of allocation concealment separately. These are then judged as adequate or inadequate using the criteria described in Table 1 for the purpose of the reviews.

Performance bias is examined with regards to whom was blinded in the trials, i.e. patient, caregiver, outcome assessor or analyst. In many trials the caregiver, assessor and analyst were the same party. Details of the feasibility and appropriateness of blinding at all levels is sought.

Individual outcome data are included in the analysis if they meet the prestated criteria in 'Types of outcome measures'. Included trial data are processed as described in the *Cochrane Collaboration Handbook* (Clarke 1999). Data extracted from the trials are analysed on an intention-to-treat basis (when this was not done in the original report, re-analysis is performed if possible). Where data are missing, clarification is sought from the original authors. If the attrition was such that it might significantly affect the results, these data are excluded from the analysis. This decision rests with the authors of primary reviews and is clearly documented. Once missing data become available, they will be included in the analyses.

Data are extracted from all eligible trials to examine how issues of quality influence effect size in a sensitivity analysis. In trials where reporting is poor, methodological issues are reported as unclear or clarification sought.

Due to the large number of trials, double data extraction is not feasible and agreement between the three data extractors is therefore assessed on a random sample of trials.

Once the data have been extracted, they are distributed to individual authors for entry onto the Review Manager computer software (RevMan 2008), checked for accuracy, and analysed as above using the RevMan software. For dichotomous data, risk ratio and 95% confidence intervals are calculated, and in the absence of heterogeneity, results are pooled using a fixed-effect model.

The predefined criteria for sensitivity analysis include all aspects of quality assessment as mentioned above, including aspects of selection, performance and attrition bias.

Primary analysis is limited to the prespecified outcomes and subgroup analyses. In the event of differences in unspecified outcomes or subgroups being found, these are analysed post hoc, but clearly identified as such to avoid drawing unjustified conclusions.

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WHAT'S NEW

Date	Event	Description
7 May 2009	New citation required but conclusions have not changed	New author prepared this update.
30 September 2008	New search has been performed	Search updated. Six new trials identified. Five have been included (Berkane 2005; Lelaidier 1994; Thakur 2005; Wing 2000; Wing 2005) and one excluded (Jiang 1997). Another report of Frydman 1992 has been added.

HISTORY

Protocol first published: Issue 2, 2000 Review first published: Issue 4, 2000

Date	Event	Description
4 November 2008	Amended	Converted to new review format.

CONTRIBUTIONS OF AUTHORS

D Hapangama formulated the first draft and JP Neilson reviewed and commented.

DECLARATIONS OF INTEREST

None known.

SOURCES OF SUPPORT

Internal sources

• The University of Liverpool, UK.

External sources

• No sources of support supplied

INDEX TERMS

Medical Subject Headings (MeSH)

*Mifepristone; *Oxytocics; Labor Stage, First [drug effects]; Labor, Induced [*methods]; Progesterone [antagonists & inhibitors]; Randomized Controlled Trials as Topic

MeSH check words

Female; Humans; Pregnancy