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Appraisal of clinical practice guidelines and consensus statements on the use of aspirin in obstetric: a systematic review using the AGREE II instrument

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ADMINISTRATIVE INFORMATION

Support - Not applicable.**Review Stage at time of this submission** - The review has not yet started.**Conflicts of interest** - None declared.**INPLASY registration number:** INPLASY202540017**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 6 April 2025 and was last updated on 6 April 2025.

INTRODUCTION

Review question / Objective Despite the publication of hundreds of trials on the use of aspirin in obstetric, the management of these conditions remains suboptimal. The aim of this systematic review is to assess the quality and consistency of guidance documents for the use of aspirin in obstetric. To this end, the proposed systematic review will address the following question: Whether exist the high quality guidelines or recommendations in the use of aspirin in obstetric, diminishing difference in recommendations.

Condition being studied Hundreds of trials on the use of aspirin in obstetric has been published, many guidelines and recommendations have different suggestions, there need some correct appraisals for this area.

METHODS

Search strategy 1、(aspirin[Title/Abstract]) OR (acetylsalicylic acid[Title/Abstract])
 2、((((((((obstetrical delivery[Title/Abstract]) OR (obstetrical[Title/Abstract])) OR (cesarean[Title/Abstract])) OR (cesarean delivery[Title/Abstract])) OR (cesarean section[Title/Abstract])) OR (delivery[Title/Abstract])) OR (pregnancy[Title/Abstract])) OR (conception[Title/Abstract])) OR (gestation[Title/Abstract])
 3、((expert consensus[Title/Abstract]) OR (guideline[Title/Abstract])) OR (recommendation statement[Title/Abstract])
 4、#1 AND #2 AND #3.

Participant or population No patient involved.**Intervention** Not applicable.

Comparator The comparison among all searched guidelines.

Study designs to be included International and national/regional clinical practice guidelines and consensus statements.

Eligibility criteria We included the latest version of international and national/regional clinical practice guidelines and consensus statements for the use of aspirin in obstetric during labour, nonoperative delivery, operative delivery published in English or Chinese.

Information sources Data sources include PubMed and Embase, three Chinese academic databases, six guideline databases and Google and Google scholar.

Main outcome(s) To visually represent these recommendations, we used a color-coded grid to illustrate any difference. Included documents performed well in the domains of scope and purpose and clarity of presentation.

Quality assessment / Risk of bias analysis AGREE II is a validated instrument widely used to assess the quality of clinical practice guidelines and consensus statements. The included documents were evaluated by four independent reviewers using the AGREE II tool.

Strategy of data synthesis Two reviewers independently screened the searched items and extracted data. Four reviewers independently scored documents using AGREE II. Recommendations from all documents were tabulated and visualised in a coloured grid. Two reviewers independently screened the searched items and extracted data. Four reviewers independently scored documents using AGREE II. Recommendations from all documents were tabulated and visualised in a coloured grid.

Subgroup analysis Not applicable.

Sensitivity analysis Not applicable.

Country(ies) involved China.

Keywords Aspirin, obstetric, pregnancy, guideline, recommendation.

Contributions of each author

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