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ADMINISTRATIVE INFORMATION**Support** - None.**Review Stage at time of this submission** - Preliminary searches.**Conflicts of interest** - None declared.**INPLASY registration number:** INPLASY202450125**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 27 May 2024 and was last updated on 27 May 2024.**INTRODUCTION**

Review question / Objective What is the quantity and publication types of studies on gestational diabetes in Malaysia?

Background Gestational diabetes mellitus (GDM) is glucose intolerance first diagnosed during pregnancy. If the condition is poorly managed, both mother and baby are at greater risk of complications during pregnancy and delivery. A meta-analysis of eleven Malaysian studies revealed the GDM occurs in 21.5% of pregnancies. To date, there is no scoping review of Malaysian research on GDM.

Rationale This study aims to identify potential research gaps of Malaysian research on gestational diabetes by examining the quantity and characteristics of publications on this topic. These data will assist future research on gestational diabetes research and related interventional studies in Malaysia.

METHODS

Strategy of data synthesis We plan to search bibliographic databases for all Malaysian publications that evaluated gestational diabetes. Bibliographic search using combination of MESH terms or keywords: gestational diabetes, glucose tolerance test, Malaysia, postpartum period, pregnancy in diabetics, pregnant women. There is no limit to the year of publication of included studies.

Eligibility criteria (a) Study participants are pregnant women or in the postpartum period; (b) Studies conducted in Malaysia; (c) gestational diabetes or postpartum diabetes mellitus as key variables.

Source of evidence screening and selection An extensive literature search will be carried out on two electronic databases (PubMed, Scopus), and supplemented by a Google Scholar search. Screening and study selection will be done by two persons and disagreement resolved by consensus.

Data management References retrieved will be managed using citation manager Endnote 20. Data will be mainly count of publications and their characteristics. Relevant data will be extracted by a pair of investigators independently, to minimize potential bias and error as well as to resolve any disagreements.

Reporting results / Analysis of the evidence Most results will be count/percentage of studies in various categories.

Presentation of the results Tables and narrative in text.

Language restriction None.

Country(ies) involved Malaysia.

Other relevant information This scoping review will be prepared following PRISMA extension for scoping review.

Keywords Diabetes, Gestational; Diabetes Mellitus; Malaysia; Prediabetic State; Postpartum Period; Pregnancy; Pregnant Women.

Dissemination plans Publication of manuscript in a journal.

Contributions of each author

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