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Treatment of Early Cesarean Scar Pregnancy with Double Balloon Catheter: A Systematic Review of the Literature

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ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Completed and ready to be published.

Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 21 September 2023 and was last updated on 21 September 2023.

INTRODUCTION

Review question / Objective Outcomes of cervical ripening double-balloon catheter in the uterus under ultrasound guidance to treat early cesarean scar pregnancy.

Background Cesarean scar pregnancy (CSP) is a pregnancy in the scar area or “niche” from a prior hysterotomy, usually from a cesarean section. Currently, there is no consensus on the best management of CSP. A recent proposed treatment consists in placing a cervical ripening double-balloon catheter in the uterus under ultrasound guidance.

Rationale No consensus is available to use this treatment.

METHODS

Strategy of data synthesis For the purpose of this study, the research included combinations of the following terms: double balloon catheter cesarean scar pregnancy, (double balloon catheter [Title]) AND (cesarean scar pregnancy), (double balloon catheter) AND (cesarean scar pregnancy [Title]), (cesarean scar pregnancy [MeSH Major Topic]) AND (double balloon catheter), (cook catheter cesarean scar pregnancy).

The research aimed to identify all articles published in English, French, Spanish, or German until April 2023, that reported the use of the aforementioned technique for the treatment of CSPs.

Eligibility criteria Given the rarity of the condition and the recent introduction of CRDBC as a treatment, we included case reports, case series,

retrospective and prospective studies, describing the clinical features and the outcomes of women diagnosed with CSP and treated with double balloon catheter.

Studies in which systemic MTX as adjuvant treatment was administered were included.

Source of evidence screening and selection

Scopus, PubMed, MEDLINE, and Cochrane Library.

Data management Data was extrated into an excel file and analysed accordingly.

Language restriction None.

Country(ies) involved Italy.

Keywords cesarean scar pregnancy; double-balloon catheter; foley.

Contributions of each author

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