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Intra-cervical misoprostol for the management of early pregnancy failure

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The intra-cervical use of misoprostol has not been reported before. The aim of this study was to assess the efficacy of intra-cervical misoprostol in the management of early pregnancy failure. The institutional review board (IRB) approved the study. After proper counseling and obtaining written informed consent, women diagnosed to have early pregnancy failure received intra-cervical misoprostol solution. The first dose was 50 micrograms dissolved in 2 ml of normal saline. This was increased to 100 micrograms every 8 hours for 2 more doses if necessary. The endometrial sampling canuula was used to instill the solution intra-cervically. A total of 17 women with first trimester pregnancy failure (anembryonic gestation or missed abortion) were included in the study. Out of 17 women who participated in the study 14 (82.4%) had complete expulsion of the gestational sac and no dilatation and curettage was performed. Eight women out of the 14 (57.1%) aborted after one dose of intra-cervical misoprostol and 6 women (42.9%) needed a second dose only. Three women (17.6%) had uncomplicated dilatation and curettage for incomplete abortion. The time taken from the first dose to the expulsion of the product was 9 hours±50 minutes, 4 hours and 15 minutes to 20 hours and 15 minutes (mean±SD, range). One woman had shivering for 30 minutes after one dose which resolved spontaneously. No major complications were reported in the study group. Intra-cervical misoprostol treatment of early pregnancy failure is an effective method for termination of pregnancy.

Biography

Abdulrahim A Rouzi has completed his Canadian Fellowship in Obstetrics and Gynecology in 1992 in the University of British Columbia. He then got his subspecialty in Infertility and Reproductive Endocrinology in 1994 from the same university. He has published more than 70 papers in ISI journals. He has more than 300 citations in Thomson Reuters ISI database. He is currently a Senior Professor in the Department of Obstetrics and Gynecology at King Abdulaziz University.

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