

**Supplementary Table 1-** PICO questions.

	Primary
1	What is the effectiveness of misoprostol treatment in reducing the occurrence of failure of IUD insertion?
	Secondary
2	What is the effectiveness of misoprostol treatment in reducing the occurrence of pain discomfort (assessed as VAS) of IUCD insertion?
3	What is the effectiveness of misoprostol treatment in reducing the use of Hegar during IUCD insertion?
4	What are the side effects of misoprostol treatment during IUCD insertion?

**Supplementary Table 2-** Summary of the queries.

Database	Query	Date	Number
PubMed	((misoprostol OR prostaglandin OR Cytotec) AND (IUD OR "intrauterine device" OR IUS OR "intrauterine system" OR IUCD OR "intrauterine contraception device" OR IUC OR "intrauterine contraception") AND (insertion OR placement)) AND ("0001/01/01"[PDAT] : "2019/10/23"[PDAT])	23.10.2019	103
Scopus	TITLE-ABS-KEY ( ( ( misoprostol OR prostaglandin OR Cytotec ) AND ( IUD OR "intrauterine device" OR IUS OR "intrauterine system" OR IUCD OR "intrauterine contraception device" OR IUC OR "intrauterine contraception" ) AND ( insertion OR placement ) ) )	23.10.2019	186