

EP16.58 Medical termination of pregnancy in the first trimester at the Olomouc University Hospital in the years 2014-2023

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Objective

Medical termination of pregnancy (MToP) in the 1st trimester can be performed if pregnancy is diagnosed only **biochemically** by assessment of hCG in the serum (**biochemical pregnancy of unknown localization and uncertain prosperity; very early MToP**), or **clinically** by ultrasound examination (**clinical intrauterine pregnancy singleton/multiple of uncertain prosperity /prosperous /non-prosperous**).

The aim of the study was to analyze the results of MToP implementation at the Olomouc University Hospital in the years 2014-2023.

Methods

A total of **988 MToPs** were performed in the 1st trimester, 91.1% of **arteficial** abortions (900/988) and 8.9% of **spontaneous** abortions (88/988). A total of **900 MToPs** were **arteficial abortions**, 92.6% of **clinical** pregnancies (833/900) and 7.4% of only **biochemical** pregnancies (67/900). MToP was performed by combining mifepristone (600 mg orally) and misoprostol (400 mcg orally) 48 hours apart.

Results

Evaluation of the result / follow-up is missing in **4.4%** of women (43/988). The evaluation of the result was carried out in a total of **945** women, 62.5% **clinical** visits (591/945) and 37.5% only the **CheckToP** test (354/945). The evaluation of the result of **MToP by arteficial abortion** was carried out in a total of **857** women, in 92.5% it was "Complete abortion" (793/857), in 4.8% "Incomplete abortion" (41/857) and in 2.7% "Ongoing pregnancy" (23/857). Evaluation of the outcome of **MToP by spontaneous abortion** was performed in a total of **88** women, in 92.0% it was "Complete abortion" (81/88) and in 8.0% "Incomplete abortion". **Subsequent surgical intervention** was performed in a total of **4.4%** of women (42/945).

Conclusion

A medical facility performing MToP in the 1st trimester should develop its own **methodology**. The methodology should also include a **method of evaluation of the result and management**. The main goal of MToP follow up is to rule-out **ongoing pregnancy (MToP failure)**. The subsequent surgical intervention should only be performed in indicated cases.