

Case Report

Broad ligament ectopic pregnancy with full-term live birth: a rare case report from Syria

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Abstract

Ectopic pregnancy, the implantation of a fertilized zygote outside the uterine cavity, presents with abdominal pain and vaginal bleeding. Diagnosis relies on clinical signs, and treatment involves surgery or methotrexate in selected cases. A 24-year-old woman at 37 weeks of gestation underwent elective cesarean delivery under general anesthesia, revealing an unexpected broad ligament ectopic pregnancy. The live fetus and placenta were successfully delivered without complications. The study reports a rare asymptomatic broad ligament ectopic pregnancy until 37 weeks, diagnosed by laparotomy—treatment involved removing the ovary and placenta and preserving the uterus. A healthy male baby and mother recovered well. This rare ectopic pregnancy, with placental implantation in the broad ligament, resulted in a successful cesarean delivery of a healthy infant and complication-free recovery, highlighting the importance of timely diagnosis and skilled surgical intervention.

Keywords: case report; ectopic pregnancy; broad ligament; cesarean delivery; placenta; pregnancy diagnosis

Introduction

Ectopic pregnancy, defined as the implantation of a fertilized zygote outside the uterine cavity, poses a diagnostic challenge for women with abdominal pain and vaginal bleeding [1]. Common symptoms include missed periods, abdominal pain, nausea, and shoulder pain, with clinical signs such as pallor and pelvic mass, where the "chandelier sign" is notable [2]. Surgical intervention is usually required, although methotrexate is being investigated for specific cases where surgery fails [3, 4]. If not diagnosed and treated promptly, ectopic pregnancy can lead to severe complications and increased mortality [5]. We report a rare case of broad ligament ectopic pregnancy, leading to cesarean delivery at 37 weeks, with a healthy male fetus found outside the uterus.

Case presentation

A 24-year-old female was admitted to the maternity unit at 37 weeks of gestation (G3P1) for an elective cesarean delivery. All laboratory tests were normal, positive for RhD+,

no family history, two prior cesarean deliveries, Mebeverine's medical history for spasms during pregnancy, and no bleeding. The patient did not receive any follow-up care during her pregnancy. General anesthesia was used to plan a cesarean section. When the baby was delivered, it was surprising to find that the pregnancy was outside the uterus. On the lateral side at the expense of the broad ligament, a live fetus was extracted, and the placenta was removed without adhering to the intestine, fallopian tube, or omenum. The gestational age was measured at 12 weeks. The woman and her kid were released from the hospital in good health, the abdomen was correctly closed, and there were no post-operative issues, such as acute bleeding.

Discussion

Ectopic pregnancy occurs when the blastocyst implants somewhere other than the endometrium [6]. It is considered to occur in around 1 out of every 300 ectopic pregnancies [7]. It is quite uncommon to experience nontubal ectopic pregnancy, particularly abdominal ectopic pregnancy [8]. As a subtype of abdominal

Conclusion

This rare case of ectopic pregnancy involved placental implantation in the broad ligament. A cesarean section successfully delivered a healthy baby, with the placenta completely removed and no adhesions to surrounding structures. The absence of severe bleeding highlighted the surgical team's skill, leading to the mother and newborn's safe discharge.

Conflict of interest statement

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