

Accepted Manuscript

Clinical outcomes of patients with heterotopic pregnancy after surgical treatment

Yiqi Guan, MD, Caihong Ma, MD

PII: S1553-4650(17)30211-X

DOI: [10.1016/j.jmig.2017.03.003](https://doi.org/10.1016/j.jmig.2017.03.003)

Reference: JMIG 3087

To appear in: *The Journal of Minimally Invasive Gynecology*

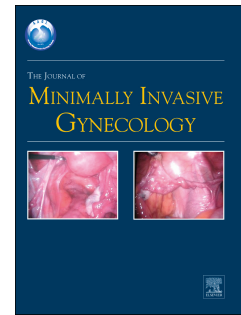
Received Date: 10 January 2017

Revised Date: 17 February 2017

Accepted Date: 2 March 2017

Please cite this article as: Guan Y, Ma C, Clinical outcomes of patients with heterotopic pregnancy after surgical treatment, *The Journal of Minimally Invasive Gynecology* (2017), doi: 10.1016/j.jmig.2017.03.003.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Clinical outcomes of patients with heterotopic pregnancy after surgical treatment

Yiqi Guan, MD, and Caihong Ma, MD

Assisted Reproductive Center of Peking University Third Hospital, Beijing, China

Corresponding author: Caihong Ma, MD, Assisted Reproductive Center of Peking University Third Hospital, 49th Northern Garden Road, Haidian District, Beijing 100191, China.

Phone: 86-10-82268326, fax: 86-10-82266849, e-mail: macaihong67@163.com

There is no conflict of interest.

Abstract

Study Objective: This study aimed to review surgical management and clinical outcomes of patients with heterotopic pregnancy (HP) who underwent in vitro fertilization and embryo transfer (IVF-ET) and surgical treatment at the Assisted Reproductive Technology Center of Peking University Third Hospital from January 2010 to December 2015.

Design: We retrospectively analyzed 56 patients' general characteristics, diagnostic features, surgical management, and clinical outcomes according to medical records and follow-up telephone interviews. All of the patients underwent transvaginal sonography on the day of admission. A total of 54 patients underwent laparoscopic surgery. Two patients who were suspected as having heterotopic cervical pregnancy underwent extraction with forceps and curettage under abdominal ultrasound guidance.

Design Classification: Canadian Task Force classification II.

Setting: HP is defined as simultaneous occurrence of intrauterine and ectopic pregnancy. The incidence of HP has dramatically risen with the widespread application of assisted reproductive technology. However, the diagnosis and management of HP still remain challenging.

Patients: Fifty-six patients with HP who underwent IVF-ET and surgical treatment at the Assisted Reproductive Technology Center of Peking University Third Hospital from January 2010 to December 2015.

Interventions: Surgical treatment.

Measurements and Main Results: The incidence of HP in frozen-thawed embryo transfer cycles (29/13,128, 0.22%) was significantly lower than that in fresh embryo transfer cycles (124/22,327, 0.56% ($p=.000$)). The live birth rate was 75.00% without congenital abnormalities and the miscarriage rate was 17.86%. There were no significant differences in the rates of miscarriage ($p=.08$) and preterm delivery ($p=.39$) among different positions of heterotopic tubal pregnancy. There were no significant differences in general characteristics, diagnostic features, and intraoperative findings between the miscarriage and non-miscarriage groups, and between the preterm and term delivery groups.

Conclusion: With increased awareness of HP in patients who have undergone IVF-ET, early diagnosis and appropriate surgical treatment may lead to a favorable prognosis.

Download English Version:

<https://daneshyari.com/en/article/8781468>

Download Persian Version:

<https://daneshyari.com/article/8781468>

[Daneshyari.com](https://daneshyari.com)