

## Heterotopic Cervical Pregnancy

Zyiad Kh\*, Ahmad Kh, Hala H and Salem Kh

Razan Medical Center for Infertility, Arab Hospital, Nablus, Palestine

### Abstract

Heterotopic pregnancy is a rare event (1 in 10,000-50,000) and the risk increased with assisted reproductive technology procedures (70 fold increased risk). Heterotopic cervical pregnancy is even more unusual. We present a rare case of heterotopic cervical pregnancy that was managed successfully with preserving the IUP. Up to the present, a total 37 cases of heterotopic cervical pregnancy have been reported in the English language literature. The lady conceived by IVF-ICSI was diagnosed with heterotopic cervical pregnancy In her 1st pregnancy U/S 2 days later She visited the emergency room with vaginal bleeding at 5 weeks +6 days gestational age, transvaginal U/S confirmed the diagnosis of heterotopic cervical pregnancy with both viable fetuses. Lady is hemodynamically stable with mild vaginal bleeding.

**Keywords:** Hypercalcemia; Bone resorption

### Case Report

A 26 year-old lady who conceived by IVF-ICSI was diagnosed with heterotopic cervical pregnancy. She visited the emergency room with vaginal bleeding at 5 weeks +6 days gestational age and underwent careful intracervical gestational sac reduction with ring forceps under ultrasound guidance. The post operative course was uneventful and with a progressing healthy intrauterine pregnancy. We review the literature to suggest the best treatment for a successful pregnancy outcome.

### Introduction

Heterotopic pregnancy is a rare event (1 in 10,000-50,000) and the risk increased with assisted reproductive technology procedures (70-fold increased risk) [1,2]. Heterotopic cervical pregnancy is even more unusual [3]. We present a rare case of heterotopic cervical pregnancy that was managed successfully with preserving the IUP. Up to the present, a total 37 cases of heterotopic cervical pregnancy have been reported in the English language literature. The lady conceived by IVF-ICSI was diagnosed with heterotopic cervical pregnancy. In her 1st pregnancy U/S 2 days later she visited the emergency room with vaginal bleeding at 5 weeks +6 days gestational age, transvaginal U/S confirmed the diagnosis of heterotopic cervical pregnancy with both viable fetuses. Lady is hemodynamically stable with mild vaginal bleeding.

### Material and Methods

She was extensively counseled regarding her options of termination versus conservative management and opted for what was deemed the most intrauterine pregnancy-conserving approach (Figure 1). 1st u/s: u/s shows two gestational sacs, one intrauterine and the other is cervically located (Figure 2), 2nd u/s: showed amplified view for cervical



**Figure 1:** 1st u/s: u/s shows two gestational sacs. One intrauterine and the other is cervically located.



**Figure 2:** 2nd u/s: Showed amplified view for cervical gestational sac embedded in the endocervical canal.

gestational sac embedded in the endocervical canal. Decision was made to use intraamniotic KCL injection and local METHOTRIXATE into the ectopic component. While preparing the lady in lithotomy position and inserting the speculum vaginally [4,5]. Partial expulsion of the cervical gestational sac was noticed. Complete cervical evacuation was done by ring forceps to avoid infection, bleeding and premature birth. Massive uterine bleeding did not occur [6]. The post-operative course was uneventful. Microscopic findings demonstrated trophoblast and chorionic villi in the evacuated tissue [5,6]. Regular check-ups demonstrating the intrauterine pregnancy is progressing well.

### Conclusion

There is no universally accepted treatment modality for heterotopic cervical pregnancy mainly due to the limited number of cases in the literature. The management should be individualized based on the hemodynamic status of the patient, technical availability of the facility, and the skills of the surgeon.

### References

1. Yankowitz J, Leak J, Huggins G, Gazaway P, Gates E (1994) Cervical

\*Corresponding author: Zyiad KH, Razan Medical Center for Infertility, Arab Hospital, Nablus, Palestine, Tel: +970 (2) 298-6420; E-mail: [zyiad\\_abukhaizaran@yahoo.com](mailto:zyiad_abukhaizaran@yahoo.com)

Received March 07, 2016; Accepted April 24, 2016; Published April 29, 2016

Citation: Zyiad KH, Ahmad KH, Hala H, Salem KH (2016) PHeterotopic Cervical Pregnancy. J Clin Case Rep 6: 768. doi:10.4172/2165-7920.1000768

Copyright: © 2016 Zyiad KH, et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

- 
- pregnancy: case reports and a current literature review. *Obstet Gynecol Surv* 49: 49-54.
2. Ginsburg E, Fox J, Frates M, Hornstein M, Rein M, et al. (1994) Early diagnosis and treatment of cervical pregnancy in an in vitro fertilization program. *Fertil Steril* 61: 966-969.
  3. Raskin MM (1978) Diagnosis of cervical pregnancy by ultrasound: a case report. *Am J Obstet Gynecol* 130:234-235.
  4. Creinin M, Feldstein V (1995) Conservative management options for cervical pregnancy: case reports and literature review. *Int J Fertil* 40: 175-86.
  5. Monteagudo A, Tarricone N, Timor-Tritsch I, Lerner J (1996) Successful transvaginal ultrasound-guided puncture and injection of a cervical pregnancy in a patient with simultaneous intrauterine pregnancy and a history of a previous cervical pregnancy. *Ultrasound Obstet Gynecol* 8: 381-386.
  6. Frates M, Benson C, Doubilet P, Di Salvo D, Brown D, et al. (1994) Cervical ectopic pregnancy: results of conservative treatment. *Radiology* 191: 773-775