

DOI: <https://dx.doi.org/10.18203/2320-1770.ijrcog20233660>

## Case Report

# Caesarean scar pregnancy: diagnostic dilemma

Raja Rajeswari K. S.<sup>1\*</sup>, Anushri Manimaran<sup>1</sup>, Priya Shaunthani<sup>2</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Southern Railways Headquarters Hospital, Aynavaram, Chennai, Tamil Nadu, India

<sup>2</sup>Department of Radiology, Southern Railways Headquarters Hospital, Aynavaram, Chennai, Tamil Nadu, India

**Received:** 08 September 2023

**Accepted:** 03 October 2023

### \*Correspondence:

Dr. K. S. Raja Rajeswari,

E-mail: drsenthil74@hotmail.com

**Copyright:** © the author(s), publisher and licensee Medip Academy. This is an open-access article distributed under the terms of the Creative Commons Attribution Non-Commercial License, which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited.

### ABSTRACT

Caesarean scar pregnancy is a rare but life-threatening type of ectopic pregnancy if not accurately diagnosed on time. With increasing caesarean section rates, caesarean scar pregnancy is bound to increase. In this report, we describe a case of a woman with pregnancy developed within previous caesarean scar (Type-I, cervico-isthmic type) and successfully treated with medical management. The diagnosis of pregnancy on caesarean scar is easily made by transvaginal ultrasound and color Doppler flux. Unfortunately in some cases, as well as in our case, the diagnosis was not simple. In fact, in our case twin gestation was the initial diagnosis, by serial Beta HCG values and transvaginal ultrasound by an expert sonologist the diagnosis was made. We were successful in treating this rare form of ectopic pregnancy without any maternal morbidity with medical management alone. We report this case to highlight the importance of knowing the ultrasound criteria to diagnose Caesarean scar pregnancy, so that catastrophies can be prevented.

**Keywords:** Caserean scar pregnancy, BetaHCG, Pseudo gestational sacs

### INTRODUCTION

Caesarean scar ectopic pregnancy is a rarest form of ectopic pregnancy defined as implantation into the myometrial defect in the previous uterine incision.<sup>1</sup> The incidence has been reported to be 1:1800-1:2216 and accounts for 6.1% of all ectopic pregnancies.<sup>2</sup> Though rare, the incidence of caesarean ectopic pregnancy has also increased in parallel with increase in caesarean section rates.<sup>1</sup> It has been attributed to life threatening complications if not diagnosed early and managed aggressively. The diagnosis is often difficult and a false negative diagnosis may result into major complications.<sup>3</sup> We presented a case of caesarean scar pregnancy who was misdiagnosed initially as multi fetal gestation. An unusual presentation of caesarean scar pregnancy.

### CASE REPORT

We presented a 34-year-old gravida 2 para 1 live 1, last child birth 8 years, conceived with first cycle of follicular study without ovulation induction. Patient was a known case of fibroid uterus with adenomyosis. Pregnancy confirmed with baseline serum beta HCG and small gestational sac in USG at 6 weeks 4 days.

At 7 weeks 3 days in dating scan there was two tiny sac within endometrium, early intrauterine pregnancies, early pregnancy failure, pseudo gestational sacs. There was 22.23% increase in serum beta HCG level repeated at 48hrs interval. Repeat serum beta HCG level after 48 hours showed 3.12% increase. Ultrasound was repeated in a fetal medicine center, which was suggestive of twin gestation. Serum beta HCG levels were suggestive of ectopic



## REFERENCES

1. Jameel K, Mannan GE, Niaz R, Hayat DE. Cesarean scar ectopic pregnancy: a diagnostic and management challenge. *Cureus.* 2021;13(4):14463.
2. Gerday A, Lourtie A, Pirard C, Laurent P, Wyns C, Jadoul P, et al. Experience with medical treatment of cesarean scar ectopic pregnancy (CSEP) with local ultrasound-guided injection of methotrexate. *Front Med (Lausanne).* 2020;7:564764.
3. Gupta T, Wahi S. A rare case report of caesarean scar ectopic pregnancy. *J Clin Diagn Res.* 2017;11(8):10-1.
4. Patel MA. Scar ectopic pregnancy. *J Obstet Gynaecol India.* 2015;65(6):372.
5. Selvaraj L, Rose N, Ramachandran M. Pitfalls in ultrasound diagnosis of cesarean scar pregnancy. *J Obstet Gynaecol India.* 2018;68(3):164-72.
6. Mohapatra I, Samantray SR. Scar ectopic pregnancy- an emerging challenge. *Cureus.* 2021;13(7):16673.
7. Rai S, Anu V, More RS. Conservative management of cesarean scar ectopic pregnancy: a case series. *J South Asian Feder Obst Gynae.* 2020;12(3):192-5.

**Cite this article as:** Rajeswari KSR, Anushri M, Shaunthani P. Cesarean scar pregnancy: diagnostic dilemma. *Int J Reprod Contracept Obstet Gynecol* 2023;12:3692-4.