

# MULTI MODAL MANAGEMENT OF A CASE OF CAESAREAN SCAR ECTOPIC PREGNANCY

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## Background:

Caesarean section scar ectopic is a rare complication of a previously performed caesarean section occurring in 1:800 – 1: 2000 of pregnancies. It refers to implantation of a pregnancy on or in a scar from a prior caesarean birth.

## Aim:

Early diagnosis and multimodal management of caesarean section ectopic pregnancy important in optimising outcomes

## Case:

37-year-old woman, G9P4, with a history of four previous caesarean sections and four first trimester miscarriages. She had a background of Graves and Cushings disease, PCOS and endometriosis with 3 laparoscopic surgeries and an appendectomy.

Presented at 12 weeks for her nuchal translucency scan which revealed a caesarean section ectopic pregnancy with a potential anterior increta or percreta placental invasion.

Was referred to the acute gynaecology service where in conjunction with the maternofetal medicine team a decision was made to terminate the pregnancy.

MRI to evaluate the degree of placental invasion into the anterior uterine wall and bladder was inconclusive.

She underwent a feticide with potassium chloride and one week later underwent a bilateral uterine artery embolization, total hysterectomy and bilateral salpingectomy with interventional radiology and urology support. Intraoperatively, bladder was noted to be densely adhered to uterus, complete dehiscence of lower uterine segment left of midline was also noted but no bladder injury. Postoperative period was uneventful

The final histopathology confirmed ectopic pregnancy with placenta increta and percreta

## Reference:

1. Jameel K, Abdul Mannan GE, Niaz R, Hayat DE. Cesarean Scar Ectopic Pregnancy: A Diagnostic and Management Challenge. Cureus. 2021 Apr 13;13(4):e14463. doi: 10.7759/cureus.14463. PMID: 33996323; PMCID: PMC8118189.
2. Society for Maternal-Fetal Medicine Consult Series #63: Cesarean scar ectopic pregnancy. Miller, Russell et al. American Journal of Obstetrics & Gynecology, Volume 227, Issue 3, B9 - B20
3. Majangara, R., Madziyire, M.G., Verenga, C. et al. Cesarean section scar ectopic pregnancy - a management conundrum: a case report. *J Med Case Reports* 13, 137 (2019). <https://doi.org/10.1186/s13256-019-2069-9>

## Discussion:

Caesarean section ectopic pregnancy is an uncommon complication in pregnant women. Incidence appears to be rising due to better imaging modalities, increasing awareness and increased rate of caesarean deliveries. It can be associated with severe maternal morbidity and mortality and hence early diagnosis and treatment is recommended.

Ultrasound showing placental bulge into the bladder

