# Management of a caesarean scar ectopic - a case report from Alice Springs

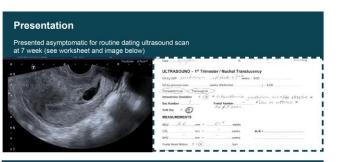
Case: A 37yo G11P5 Aboriginal women from Tennant Creek community.





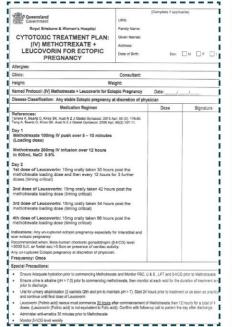




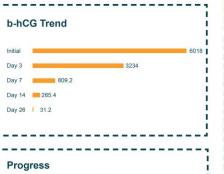


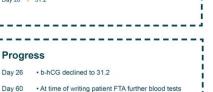


## Management (after 2nd USS) Tennant Creek ED phone call to O+G Consultant - urgent transfer arranged to Alice Springs Hospital Arrived early following morning · Initial bloods taken → b-hCG → 5039, HB 123, O+, Normal U&Es/LFTs · PV spotting but haemodynamically stable · Ultrasound repeated with review by MFM - consistent b-hCG 6018 (approx 24 hours after initial b-hCG) Case d/w QLD colleagues Decision made to follow RBWH IV methotrexate and Leucovorin treatment plan (see below)



# **Treatment and Progress** · Urine testing commenced to ensure urine · Admitted to ICU for methotrexate infusion · 30 hours post methotrexate loading dose Leucovorin given as per protocol 15mg and then 3 further doses of leucovorin 12 hourly b-hCG 3234 (6018) FBC/U&Es normal LFT → ALT 75 (19 previous -considered likely to be a transient rise induced by methotrexate) Depo Provera given for contraception SW review for discharge planning prior caesarean section [3]. · Increased PV bleeding reported with clot passed Stable → Discharged to stay in Alice Springs Day 5 b-hCG 809 Patient discharged back home with plan for weekly b-hCG until negative





treatment assumed to be successful

### Discussion

Here I present a case of an aboriginal women from Tennant Creek who has been managed with IV methotrexate and folinic acid rescue, by day 26 b-HCG had declined to 31.2 the patient failed to attend further blood tests so treatment was presumed to have been successful. The patient had remained haemodynamically stable throughout the

Cesarean scar ectopics are a rare presentation ~1 in 2000 pregnancies

They are thought to occur in 6% of ectopic pregnancies in those with a

Diagnosis is primarily by USS with the appearance of an enlarged caesarean scar with anterior mass [4].

MRI may be useful if invasion is suspected. Possible differentials to the scar ectopic would be cervical ectopic, placenta accreta, miscarriage in transit or low implantation of an IUP [4,5].

The best management of caesarean scar ectopics is unknown, although expectant management is not recommended due to risk of uterine

As with other forms of ectopic pregnancies the whole clinic picture is important and management decisions should take into account haemodynamic stability, desired fertility and reliability of the patient.

#### References

- 1.K Tanaka, E Coghill, E Ballard, R Sekar, A Amoako, A Khali D Baartz. Management of caesarean scar pregnancy with high dose intravenous methotrexate infusion therapy: 10 year experience at a single tertiary centre; European Journal of Obstetrics and Reproductive Biology. 2019 Jun: 237:28-32
- 2.K Tanaka, D Baartz, S K Khoo. Management of Interstitial ectopic pregnancy with intravenous methotrexate: An extended study of a standardised regimen; ANZJOG 2015;55:176-180
- 3.M A Rotes, S Haberman, M Levgur. Cesarean scar ectopic pregnancies: ethology, diagnosis, and management; Obstet Gynecol. 2006
- 4.Y Vial, P Petionat, P Hohlfeld, Pregnancy in a caesarean scar; Ultrasound Obstes Gynecol. 2000;16(6):592
- 5.IE Timor-Tritsch, A Monteagudo. Unforseen consequences of the increasing rate of caesarean deliveries: early placenta accrete and caesarean scar pregnancy. A review; Am J Obstet Gynecol.
- 6.A Ash, A Smith, D Maxwell. Caesarean scar pregnancy; BJOG 2007 Mar: 114(3): 253-63

**Image Report**