

CAESAREAN SCAR PREGNANCY REGISTRY

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WHAT IS A CSP? HOW ARE THEY DIAGNOSED?

A caesarean scar pregnancy (CSP) is a pregnancy that has implanted on or within a previous caesarean incision. A CSP is diagnosed on a collection of ultrasonographic criteria in the context of a positive pregnancy test and a history of caesarean delivery. Though the true incidence is unknown, it is estimated 1:1800-2500 of caesarean deliveries will later cause a CSP⁽¹⁾

Diagnostic criteria

- A gestational sac embedded eccentrically in the lower uterine segment and implanted in the location of a previous hysterotomy
- An empty uterine cavity and cervical canal
- A thin or absent myometrial layer (<3mm) overlying the scar
- The presence of a rich vascular pattern in the region of the scar on Doppler ultrasound.

Despite potentially serious clinical sequelae associated with these pregnancies, including severe haemorrhage and potential need for hysterectomy, there is no clear protocol for the management of these pregnancies. With the global proportion of caesarean sections increasing, it is important that management of this severe complication is better understood. Currently there are over 40 different management modalities described in literature, with no clear evidence of superiority shown for any one method

AT THE MOMENT...

Globally there are 36 contributing centres. The Royal Women's Hospital in Melbourne is one of only 3 centres in Australia. Between 2008-2016, The Royal Women's was involved in the management of 46 cases⁽²⁾
Since its launch in 2020, 250 cases have been submitted to the CSP registry.

HOW TO GET INVOLVED

Further information is available through www.csp-registry.com

Any centres wishing to contribute to the registry can contact the principal investigative team through contact@csp-registry.com

For information on our personal experience regarding this project, including research and ethics applications process please contact matthew.jarman@thewomens.org.au

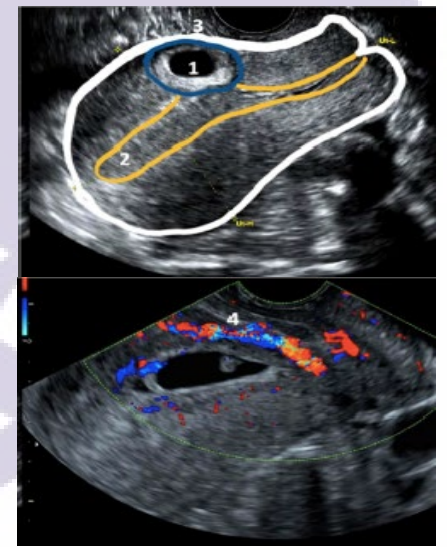
WHAT IS THE CSP REGISTRY?

The CSP registry is a global initiative to collect data around diagnosis, management, complications and outcomes of these pregnancies.

The registry is chaired principally by St George's University Hospital in London and New York University School of Medicine.

The registry exists as a secure online database collecting anonymised and de-identified clinical data.

There is a standard questionnaire focusing on aspects of the woman's previous medical and obstetric history, as well as the current pregnancy, and all entries should include an ultrasound image confirming the diagnostic criteria are met



REFERENCES

1. Timor-Tritsch IE, Monteagudo A, Sanots R, Tsymbal T, Pineda G, Arslan AA. The diagnosis, treatment, and follow-up of caesarean scar pregnancy. Am J Obstet Gynecol. 2012 Jul;207(1):44.
2. Dior UP, Palma-Dias R, Reidy K, Cheng C, Healey MH. Cesarean scar pregnancies: Incidence and factors associated with conversion to surgery from medical management. J Minim Invasive Gynecol. 2019 Aug;26(5):919-927.