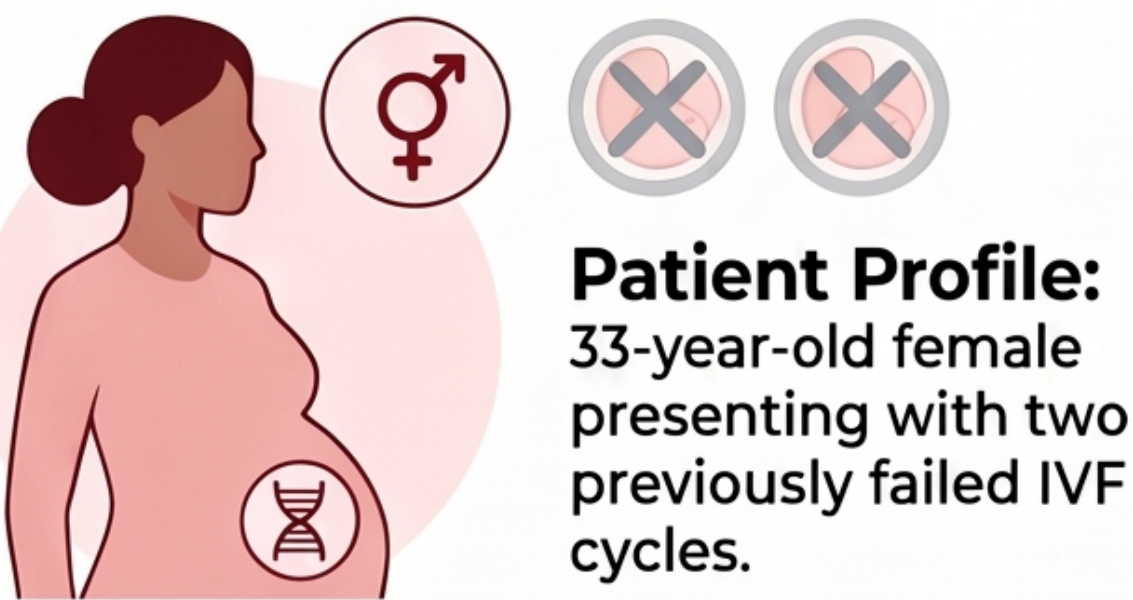


EP04.45. The role of 3D ultrasound in a complex case of infertility: from diagnosis to pregnancy

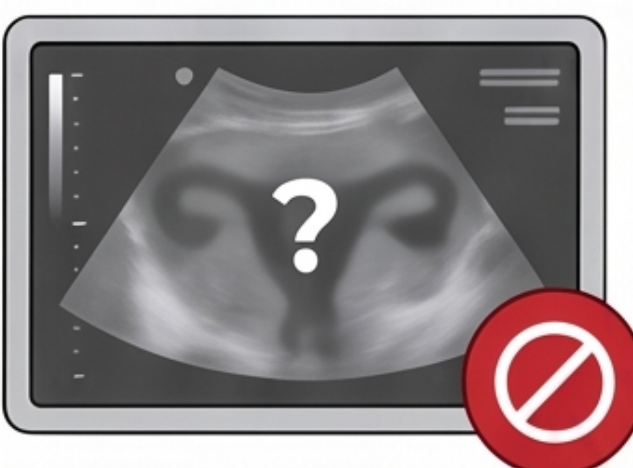
Adela Rodríguez-Fuentes, Jean Paul Rouleau, Rossella Papa, Jairo Hernández, Angela Palumbo

CASE BACKGROUND & INITIAL CHALLENGE



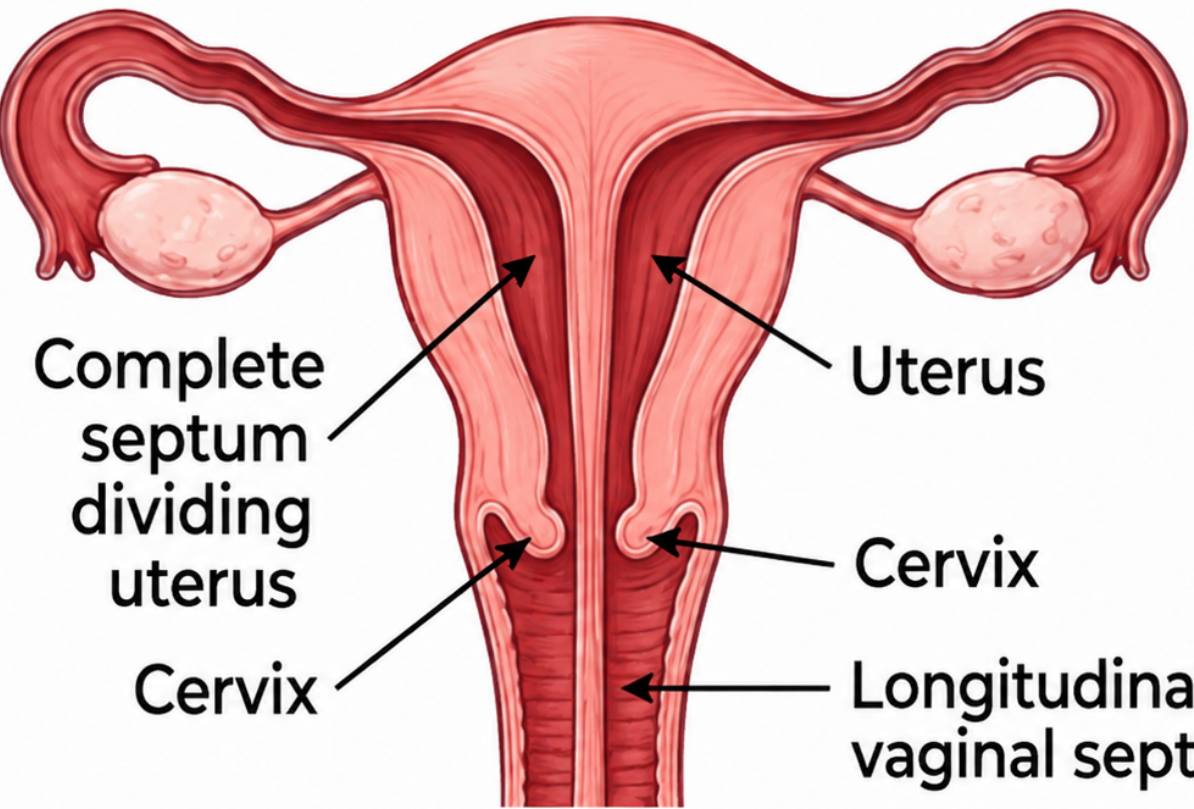
Patient Profile:
33-year-old female
presenting with two
previously failed IVF
cycles.

Initial MRI Diagnosis



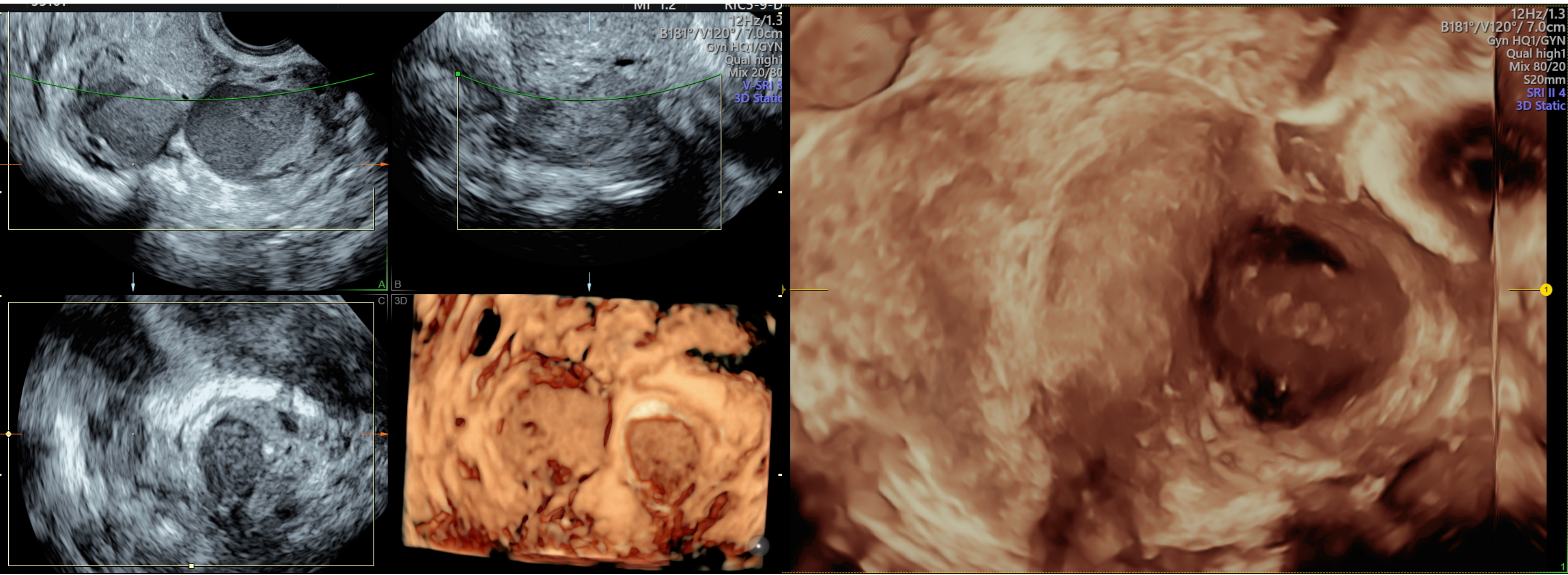
Imaging suggested
endometriosis and a
bicornuate uterus.

Key Finding 1: Correcting the Diagnosis



Identified a complete uterine septum with
two cervixes and a longitudinal vaginal septum.

Key Finding 2: Mapping Endometriosis



TREATMENT PATHWAY TO SUCCESS

Ovarian Stimulation & Cryopreservation



45 oocytes
retrieved

10 oocytes and
16 embryos
cryopreserved
at Day 5

Two-Stage Surgical Resection



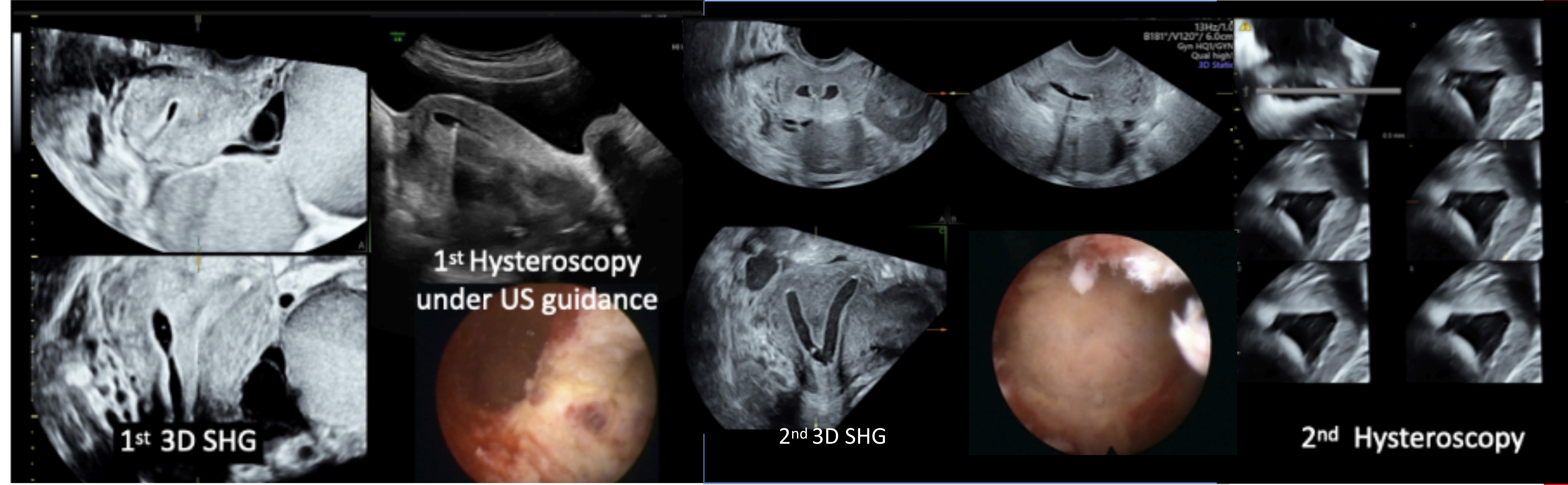
Septum resection guided
by intraoperative 3D
ultrasound and
sonohysterography (SHG)

Success Within
12 Months



Ongoing Pregnancy

Ongoing pregnancy (15
weeks) achieved after the
second embryo transfer



Conclusion:

3D ultrasound provides the precision and detail necessary for effective diagnosis and surgical planning in patients with severe endometriosis and rare uterine malformations, enabling successful pregnancy within 12 months.