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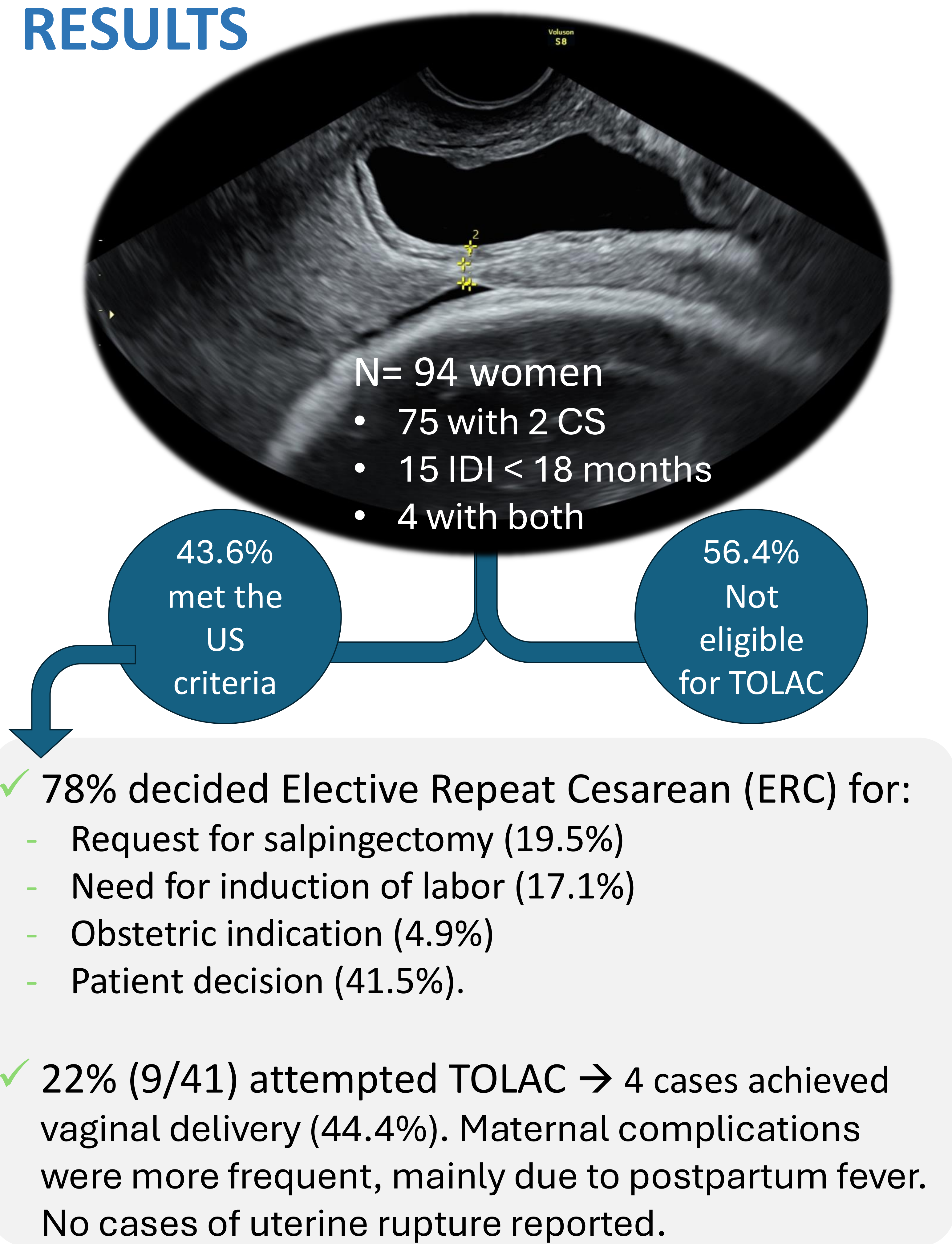
OBJECTIVE

- To determine the usefulness of low uterine segment (LUS) ultrasound in patients with the desire of Vaginal Birth After 2 cesarean section (VBAC-2) or with an interdelivery interval (IDI) < 18 months.

METHODS

- Retrospective cohort study
- Hospital Clínic of Barcelona
- Study period: 2018-2025
- Population: Women requesting VBAC-2 or with IDI < 18 months.
- A comprehensive risk-benefit assessment including a transvaginal LUS ultrasound was performed.
- Trial of labor after cesarea (TOLAC) accepted in spontaneous labor when:
 - Myometrial thickness > 2.0 mm
 - LUS > 3.0 mm

RESULTS



Characteristics	TOLAC (n: 9)	Elective CS (n: 85)	P value
Maternal age (years); m ± SD	33.9 ± 4.5	33.6 ± 4.8	0.885
Caucasian ethnicity; n (%):	6 (75.0)	26 (30.9)	0.012
BMI (kg/m2); m ± SD	30.1 ± 7.2	27.5 ± 6.6	0.600
Hypertension; n (%):	1 (11.1)	6 (7.1)	0.660
LUS thickness (mm); m ± SD	6.3 ± 1.4	4.8 ± 1.9	0.027
Myometrial thickness (mm); m ± SD	3.2 ± 0.7	1.97 ± 1.0	<0.001
Mode of delivery; n(%)			<0.001
- Spontaneous vaginal delivery	2 (22.2)	NA	
- Assisted vaginal delivery	2 (22.2)	NA	
- Intrapartum cesarean section	4 (44.4)	1 (1.2)	
- Elective cesarean section	1 (11.1)	84 (98.8)	
Maternal complications description; n (%)	3 (33.3)	7 (8.2)	0.02
- Postpartum hemorrhage	1 (11.1)	3 (3.53)	0.284
- Puerperal fever	2 (22.2)	2 (2.3)	0.005
- Uterine rupture	0 (0.0)	0 (0.0)	NA
Days of hospitalization postpartum; m± SD	2.4 ± 0.5	2.6 ± 1.1	0.754
ICU; n (%)	2 (12.5)	3 (3.53)	0.129
Newborn's centile;			
- < 10 th centile; n (%)	2 (22.2)	3 (3.5)	0.017
- > 90 th centile; n (%)	0 (0)	8 (9.4)	0.336
Apgar 5 min< 7; n (%)	0 (0.0)	1 (1.2)	0.742
Arterial pH < 7.15; n (%)	2 (25.0)	4 (6.1)	0.064
NICU; n (%)	0 (0.0)	4 (4.8)	0.503

Table 1: Maternal characteristics and perinatal outcome of women who underwent TOLAC or ERCS

CONCLUSIONS

- LUS transvaginal ultrasound may be helpful among women with 2 previous CS or IDI < 18 months in women that desire a vaginal birth. Nevertheless, the number of women who attempted TOLAC was limited.