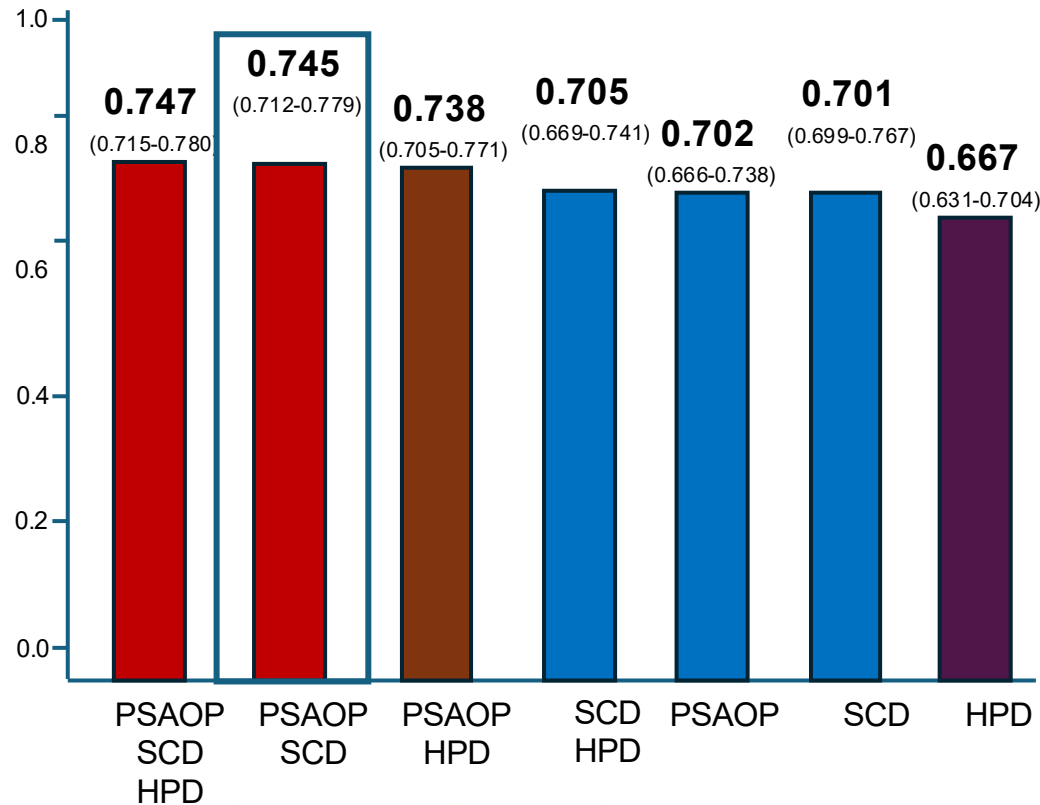


Prediction of Cesarean section using longitudinal intrapartum ultrasound

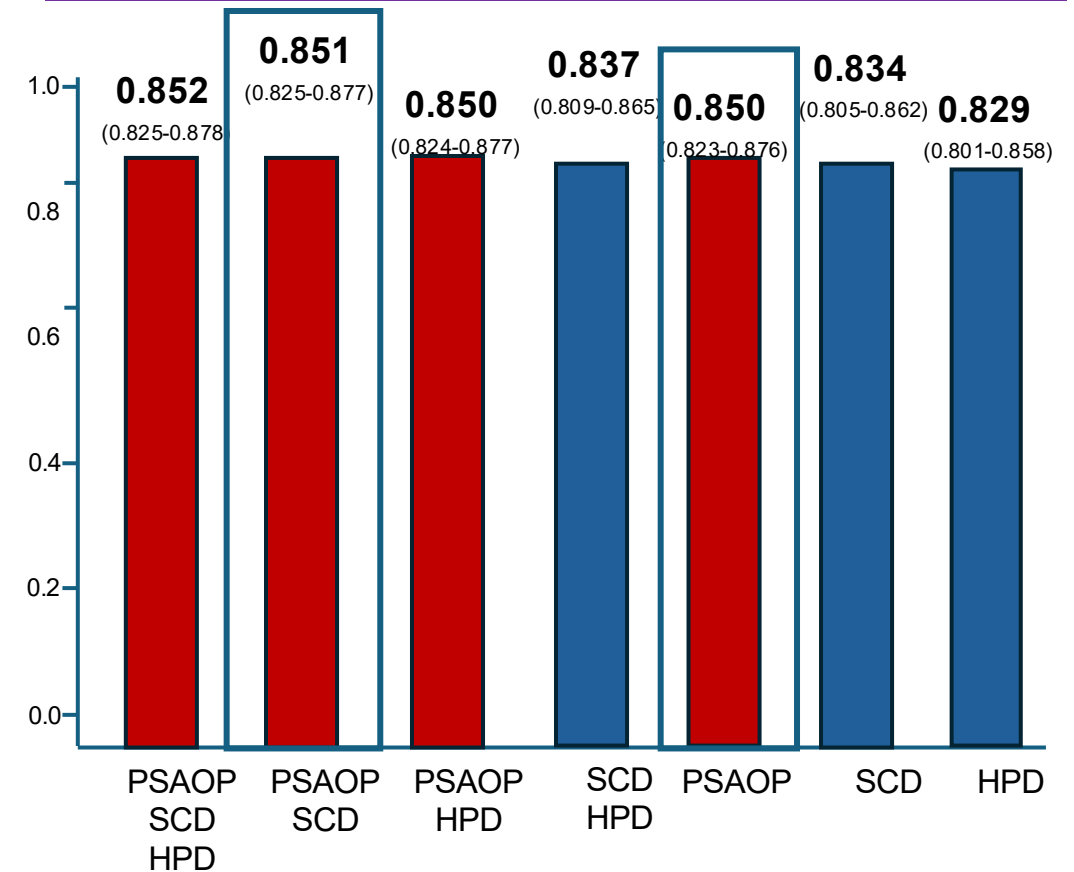
Nguyen-Hoang L, Xinyu Chen, Lee NMW, Lau SL, Yeung YK, Chiu CPH, Liu F, Lau YY, Fidalgo AM, Cuerva MJ, Aquisé A, Gil MM, Poon LC*

- **380 women** induction of labor, repeated transperineal scans
- Vaginal delivery n=311 / Cesarean section n=69
- **Markers: psAOP, HPD, SCD**
- Generalized Linear Mixed Model + ROC analysis

Without clinical factors, combined **psAOP** and **SCD** provides highest predictive accuracy for labor outcome



With clinical factors, **psAOP** alone is predictive of labor outcome



*Colors represent the significant difference $p < 0.05$