

Supplementary Digital Content 1- Collinearity Statistics and Variable Inflation factor

	Collinearity Statistics	
	Tolerance	VIF
Maternal age (years)	0.8	1.2
BMI	0.7	1.5
Induction of Labor	0.9	1.1
Oxytocin augmentation	1.0	1.0
PROM	1.0	1.0
Degree of cervical dilation at analgesia (centimeters)	0.9	1.1
Needle Depth (centimeters)	0.7	1.5
VNS pain score before analgesia (0-100)	1.0	1.0
Nulliparity	0.8	1.2

| Table legend: BMI- body mass index

PROM- premature rupture of membrane

VNS- verbal numeric score