

**TABLE 1: Ultrasound and neurosonography**

	<b>Group A: IAI (n=41)</b>	<b>Group B: no-IAI (n=54)</b>	<b>Group C: Control (n=48)</b>	<b>p1 (A vs. B)</b>	<b>p2 (A vs. C)</b>	<b>p3 (B vs. C)</b>
GA at ultrasound	27.9 (28.7-31.1)	29.6 (27-31.2)	29.4 (26.6 – 31.3)	0.380	0.481	0.900
Cause of admission	PTL: 13(31.7%) PPROM:28(68.3%)	PTL: 48 (88.9%) PPROM: 6 (11.1%)		<b>&lt;0.001</b>	-	-
EFW < 10th centile	11 (26.8%)	7 (13.0%)	4 (8.3%)	0.088	<b>0.020</b>	0.452
HC (mm)	253 (235-276.5)	268 (248-287)	273.5 (248.5-288.5)	0.056	0.055	0.843
Sylvian fissure depth ratio <sup>1</sup>	0.14 (0.12-0.16)	0.14 (0.13-0.16)	0.16 (0.15-0.17)	0.197	<b>0.003</b>	<b>0.046</b>
Right parieto-occipital sulcus depth ratio <sup>1</sup>	0.09 (0.07-0.12)	0.11 (0.09-0.14)	0.11 (0.09-0.14)	0.058	<b>0.012</b>	0.815
Left parieto-occipital sulcus depth ratio <sup>1</sup>	0.10 (0.06-0.12)	0.11 (0.08-0.13)	0.11 (0.09-0.13)	0.680	0.181	0.392
Right cingulate sulcus depth ratio <sup>1</sup>	0.03 (0.01-0.04)	0.04 (0.03-0.06)	0.04 (0.02-0.06)	<b>0.028</b>	0.089	0.421
Left cingulate sulcus depth ratio <sup>1</sup>	0.03 (0.01-0.05)	0.04 (0.03-0.06)	0.04 (0.02-0.07)	0.213	0.309	0.383
Right calcarine sulcus depth ratio <sup>1</sup>	0.13 (0.09-0.16)	0.14 (0.12-0.16)	0.14 (0.11-0.16)	0.138	0.546	0.283
Left calcarine sulcus depth ratio <sup>1</sup>	0.13 (0.10-0.15)	0.14 (0.12-0.15)	0.13 (0.10-0.16)	0.593	0.925	0.451

*PTL: Preterm labor; PPROM: Preterm premature rupture of membranes; IAI: intraamniotic infection and/or inflammation; GA: Gestational age; EFW: Estimated fetal weight; HC: Head circumference.*

*Continuous variables were compared using multiple linear regression and presented as medians (25<sup>th</sup>-75<sup>th</sup> interquartile percentile). Categorical variables were compared using logistic regression and presented as number (%).*

<sup>1</sup> **Depth ratios:** Insular or sulcus depth (mm) / biparietal diameter (mm)