

Table 1) Absolute and relative frequency (number in parenthesis are percentages) of the maternal factors studied (in two groups of mothers with preterm labor and term labor in Sarem Hospital in Tehran in 2014 (n=2432

Maternal Factors	Preterm Labor	Term Labor	Total	Significance Level
Age over 35 years				
Yes	38(14.8)	218(85.2)	256(100.0)	0.004
No	199(9.1)	1977(90.9)	2176(100.0)	
*BMI status (kilogram per square meter)				
Less than 18	11(20.8)	42(79.2)	53(100.0)	0.027
18-25	121(9.5)	1157(90.5)	1278(100.0)	
Over 25	58(10.3)	507(89.7)	565(100.0)	
Total	190(10.0)	1706(90.0)	1896(100.0)	
History of thyroid diseases				
Yes	42(12.6)	291(87.4)	333(100.0)	0.039
No	195(9.3)	1904(90.7)	2099(100.00)	
History of high blood pressure (pre-pregnancy)				
Yes	51(11.5)	391(88.5)	442(100.0)	0.096
No	235(9.7)	2185(90.3)	2420(100.0)	
Previous Abortion History (at least one abortion)				
Yes	51(11.5)	391(88.5)	442(100.0)	0.096
No	186(9.3)	1804(90.7)	1990(100.0)	
History of Intrauterine Fetal Death (IUFD)				
Yes	3(42.9)	4(57.1)	7(100.0)	0.024
No	234(9.6)	2191(90.4)	2425(100.0)	
History of Diabetes				
Yes	314(13)	26(86.7)	30(100.0)	0.334
No	233(9.7)	2169(90.3)	2402(100.0)	
Ectopic pregnancy History				
Yes	1(5.6)	17(94.4)	18(100.0)	0.464
No	236(9.8)	2178(90.2)	2414(100.0)	
Premature Rupture of Membrane (PROM)				
Yes	11(29.7)	26(70.3)	37(100.0)	0.000
No	226(9.4)	2168(90.6)	2393(100.0)	
Preeclampsia				
Yes	21(48.8)	22(51.2)	43(100.0)	0.0001
No	216(9.0)	2173(91.0)	2389(100.0)	
History of Labor				
Null parity	172(9.1)	1713(90.9)	1885(100.0)	0.035
Multiparty	65(11.9)	482(88.1)	547(100.0)	
Two or Multiple Pregnancies				
Yes	19(86.4)	3(13.6)	22(100.0)	0.0001
No	40(38.1)	65(61.9)	105(100.0)	
Decrease the Volume of Amniotic Fluid				
Yes	9(29.0)	22(71.0)	31(100.0)	0.002
No	228(9.5)	2173(90.5)	2400(100.0)	