

Table 1) Absolute and relative frequency (numbers in parentheses are percentages) of different age groups in pregnant women referring to Sarem Hospital in Tehran in the PROM and control groups in 2011-2013(n=121 in each group)

*Mother Age Group (Year)	PROM Group	Control Group
20-25	14(11.6)	22(18.2)
26-30	63(52.1)	51(42.1)
31-50	35(28.9)	40(33.1)
Over36	9(7.4)	8(6.6)

*Chi-square test $p < 0.05$

Table 2) Significance level, absolute and relative frequency (numbers in parentheses are percentages) of effective maternal factors affecting premature rupture of embryo sac in pregnant women referred to Sarem Hospital of Tehran in the PROM and control groups in 2011-2013 (n=121 in each group)

Type	PROM	Control	Significance Level (Used Test)
Vaginal Culture			
Negative	109(90.1)	71(58.7)	0.7 Chi-square 0.49 Fisher Exact
Positive	5(4.1)	8(6.6)	
No Culture	7(5.8)	42(34.7)	
*Number of Abortion			
Zero	94(79.0)	113(93.4)	0.001 (Mann-Whitney U Test)
One	18(15.1)	5(4.1)	
Two	6(5.0)	2(1.7)	
Three	1(0.8)	1(0.8)	
Number of Pregnancy			
One	88(72.7)	82(67.8)	0.065 (Mann-Whitney U Test)
Two	20(16.5)	33(27.3)	
Three	11(9.1)	4(3.3)	
Four	1(0.8)	1(0.8)	
Five	1(0.8)	1(0.8)	
History of Cervical surgery			
No	113(93.4)	118(97.5)	0.93(Chi-Square) 0.85 (Fisher Exact)
Cerclage	8(6.6)	3(2.5)	
Cervical Length			
35mm<	41(33.9)	115(95.0)	0.00 (Chi-square)
35mm≥	63(52.1)	3(2.5)	0.00 (Fisher Exact)
Unknown	17(14.0)	3(2.5)	

* The total frequency in PROM group for abortion variables (119) is related to lost data.
Main comparison to similar studies