

**Table 1)** Maternal, embryo/neonate and placenta indices for placenta examination

Indices
<b>Maternal Indices</b>
Maternal systematic illness
Preterm labor
Clinical manifestation of infection
Bleeding during labor
Decreasing of amniotic fluid
Polyhydramnios without justification
Complicate complications of invasive techniques
Thick meconium
Mother trauma
Long rupture of embryo sac
Addiction
<b>Embryonic/Neonatal indices</b>
Prenatal death
Acceptance in the intensive care unit
Clinical compensatory condition of the infant
Embryonic hydrops
Limit of intrauterine growth of the fetus
Neonatal seizure
Clinical suspicion of neonatal infection
Congenital major anomalies
Multiple pregnancy
<b>Placenta indices</b>
Prenatal or abnormal detection of the placenta
Umbilical cord disorders

**Table 2)** Predictive model of pathological results of placenta sent to pathology laboratory of Sarem Hospital in Tehran

Stages	Other Placentas	Preterm Placenta	The percentage of correct prediction
<b>First Stage</b>			
Other Placentas	54	57	48.6
Preterm Placenta	34	84	71.2
Total Percentage			60.3
<b>Second Stage</b>			
Other placentas	46	65	41.4
Preterm placenta	12	106	89.8
Total Percentage			66.4
<b>Third Stage</b>			
Other Placentas	51	60	45.9
Preterm Placenta	12	106	89.8
Total Percentage			68.6

**Table 3)** Evaluation of effective variables in pathologic changes in placentas resulting from preterm labor

	B	S.E.	Wald	Significance Level	EXP(B)	95% C.L.for EXP (B)	
						Lower	Higher
<b>First Stage</b>							
Syncytial Knot	-5.319	1.873	14.896	0.0001	0.005	0.000	0.073
Constant	1.318	0.345	14.646	0.0001	3.738		
<b>Second Stage</b>							
Syncytial Knot	-5.078	1.435	12.525	0.0001	0.006	0.000	0.104
Microcalcification	-2.070	0.648	10.194	0.001	0.126	0.035	0.450
Constant	1.427	0.359	15.764	0.0001	4.166		
<b>Third Stage</b>							
Syncytial Knot	-4.632	1.431	10.479	0.001	0.010	0.001	0.161
Micro calcification	-1.377	0.544	6.419	0.011	0.252	0.087	0.732
Core angiogenesis	-1.966	0.657	8.964	0.003	0.140	0.039	0.507
Constant	1.448	0.359	16.274	0.0001	4.257		

The value of B is the parameter estimation in the logistic model.