

Table 2 Univariate analysis of the risk factors in the study group (having pregnancy loss) and control group (no pregnancy loss)

Variable	Control group (n = 308)		Study group (n = 118)		OR (95% CI)
	No.	%	No.	%	
<b>Maternal age groups (vs &lt; 20)</b>					
20-40	234	76.0	32	27.1	0.86 (0.73-1.02)
> 40	39	12.7	75	63.6	2.22 (1.64-3.01)*
<b>Residence (vs urban)</b>					
Rural/hegar	220	71.4	99	83.9	1.19 (1.06-1.34)*
<b>Level of education</b>					
Illiterate	54	17.5	15	12.7	Reference
< Secondary	69	22.4	20	16.9	1.04 (0.46-2.38)
Secondary or higher	185	60.1	83	70.3	1.62 (0.83-3.18)
<b>Occupation (vs housewife)</b>					
Student	35	11.4	14	11.8	1.18(0.96-1.44)
Employment outside the home	210	68.2	92	78.0	1.21(1.07-1.37)*
<b>Family income (Saudi riyals)</b>					
< 3000	75	24.4	20	16.9	Reference
3000- < 6000	185	60.1	70	59.3	1.09 (0.96-1.24)
≥ 6000	48	15.6	28	23.7	1.25 (1.02-1.53)*
Mean (SD) gravidity*		4.3 (1.9)		4.08 (1.8)	t = -0.86 (-0.22-0.57)
Vaginal bleeding	64	20.8	42	35.6	1.26 (1.07-1.49)*
Antenatal medical disease (≥ 1)	147	47.7	65	55.1	1.09 (0.96-1.22)
<b>Gestational age groups (weeks)</b>					
≤ 13 (first semester)	71	23.1	20	16.9	Reference
14-26 (second semester)	100	32.5	73	61.9	1.35 (1.14-1.6)*
> 26 (third semester)	137	44.5	25	21.2	0.92 (0.81-1.05)
Placental abruption	54	17.5	58	49.2	1.68 (1.37-2.05)*
Premature rupture of membranes	35	11.4	14	11.8	1.01 (0.84-1.22)
Mean (SD) distance <sup>b,c</sup> (km)		23.7 (3.6)		22.9 (3.3)	2.28 (0.11-1.55)*
<b>Cause of trauma</b>					
Falling	51	16.6	10	8.5	Reference
Home violence	48	15.6	18	15.3	1.15 (0.96-1.38)
Car crash	209	67.8	90	76.3	1.20 (1.05-1.37)*
<b>Site of trauma</b>					
Head, spine, limbs	110	35.7	21	17.8	Reference
Abdomen	104	33.8	58	49.2	2.92 (1.60-5.36)*
Pelvis	94	30.5	39	33.1	2.17 (1.15-4.13)*
<b>Injury severity score ≥ 9 (vs &lt; 9)</b>					
	64	20.8	76	64.4	1.87 (1.55-2.25)*
<b>Shock at admission</b>					
	42	13.6	11	9.3	0.90 (0.77-1.05)
<b>Surgical treatment</b>					
Non-laparotomy	144	53.5	47	44.3	Reference
Laparotomy	125	46.5	59	55.7	1.45 (0.90-2.23)
<b>Stay in hospital (days)</b>					
< 7	54	17.5	12	10.2	Reference
7-21	215	69.8	84	71.2	1.76 (0.86-3.66)
> 21	39	12.7	22	18.6	2.54 (1.05-6.23)*

\*Significant at P &lt; 0.05.

<sup>a</sup>Range: 1-8; <sup>b</sup>from trauma site to hospital; <sup>c</sup>range: 15-33 km.

OR = odds ratio; CI = confidence interval; SD = standard deviation.