

Table 1 Maternal and perinatal outcomes of the women in the derivation and validation cohorts

	Derivation cohort N=116	Validation cohort N=172	<i>p</i>
Maternal age	32.9 (29.5-35.5)	32.5 (31.5- 33.6)	0.6015
BMI	22.8 (21.9-23.5)	22.5 (21.7-23.3)	0.098
Ethnicity			0.001
-Caucasian	82 (71)	118 (68.6)	
-Maghreb	18 (15.5)	18 (10.4)	
-Hispanic	4 (3.4)	25 (14.5)	
-Afrocaribbean	1 (0.86)	2 (1.16)	
-Sudasia	2 (1.72)	8 (4.65)	
-Africa	9 (7.75)	1 (0.58)	
Nulliparity	68 (59)	102 (59)	0.908
Smoking	3 (2.6)	0	0.033
Conization	0	4 (2.3)	0.098
Uterine malformation	4 (3.4)	0	0.014
Maternal disease	49 (42.2)	79 (46)	0.537
Cervical length (mm)	15 (11.9- 15)	13 (12- 15)	0.9349
Maternal C-reactive protein (mg/L)	0.74 (0.52- 0.92)	0.79 (0.55- 1.02)	0.6325
Maternal white blood cells (x10 ⁹ /L)	12315 (11430- 12703)	12800 (12112- 13920)	0.1676
Gestational age at admission (weeks)	28.1 (26.9- 28.7)	28.9 (28.1- 29.6)	0.0778

Gestational age at amniocentesis	28.2 (26.9- 28.7)	28.9 (28.1- 29.6)	0.0468
Amniotic fluid IL-6 (ng/mL)	1.5 (1.2- 4.5)	4.3 (1.6- 9.8)	0.4521
IAI	20 (17)	33 (19)	0.676
Vaginal IL-6 (pg/mL)	102.5 (79.2- 228.3)	36.5 (22- 79.5)	0.0220
Vaginal pH (absolute value)	5.09 (4.69- 5.26)	5.23 (5.06- 5.38)	0.2828
Vaginal lactic acid (mg/L)	112.5 (85.9- 136.04)	114.5 (94.6- 123.4)	0.8332
Vaginal <i>Lactobacillus</i> genus (log number copies gene/ng total DNA)	6.61 (6.09- 6.86)	6.56 (6.42-6.65)	0.8219
Gestational age at delivery (weeks)	37.3 (35.3- 38)	33.4 (31.8- 34.8)	0.0008
IAI and/or spontaneous delivery ≤ 7 d	32 (28)	71 (41)	0.017
Spontaneous delivery ≤ 7 d	28/112 (25)	61/167 (37)	0.043

Continuous variables were compared using a nonparametric Mann Whitney U test presented as medians (95% Confidence interval). Categorical variables were compared using Chi-square or Fisher exact tests and presented as number (%).