

Appendix 1. Univariable Comparisons Performed to Assess Variables for Inclusion in Adjusted Analyses

Route of misoprostol administration	All women			Vaginal deliveries			Nulliparous women		
	Vaginal (N=138)	Oral (N=138)	P-value	Vaginal (N=109)	Oral (N=94)	P-value	Vaginal (N=77)	Oral (N=78)	P-value
Age (years), mean \pm SD	29.8 \pm 6.2	28.8 \pm 6.1	0.19	29.5 \pm 6.0	28.6 \pm 6.2	0.27	28.4 \pm 6.1	27 \pm 5.8	0.12
Age \geq 35 years, n (%)	30 (21.74)	28 (20.29)	0.78	19(17.4)	17 (18.1)	0.90	15 (19.2)	11 (12.5)	0.23
Nulliparous, n (%)	78 (56.5)	88(63.8)	0.22	53(48.6)	42(44.7)	0.58	NA	NA	NA
Mean GA at induction (weeks), mean \pm SD	39.3 \pm 1.8	39.40 \pm 1.7	0.62	39.1 \pm 1.8	39.3 \pm 1.7	0.28	39.5 \pm 1.6	39.7 \pm 1.7	0.46
IOL \geq 34 to <37 weeks, n (%)	8 (5.8)	9 (6.5)	1.00	7(6.4)	5(5.3)	0.74	5 (6.4)	6(6.8)	0.92
Mean BMI (kg/m ²), mean \pm SD	32.6 \pm 7.1	33.8 \pm 7.4	0.21	31.8 \pm 6.4	32.8 \pm 6.1	0.30	33.9 \pm 7.6	33.0 \pm	0.45
BMI \geq 30 kg/m ² n (%)	84 (60.9)	89 (64.5)	0.18	63 (57.8)	61 (64.9)	0.30	53(68.0)	7.9	0.11
								49(55.7)	
Group B streptococcus positive, n (%)	40 (29.0)	44 (31.9)	0.70	28 (25.7)	30 (31.9)	0.33	26 (33.3)	23 (26.1)	0.31
Race			0.77			0.30			0.96
White	23(16.7)	29(21.0)		18(16.5)	24 (25.5)		15 (19.2)	18 (20.5)	
Black	67(48.6)	58 (42.0)		54 (49.5)	33 (35.1)		31 (39.7)	37 (42.1)	
Hispanic	35(25.4)	40 (29.0)		28 (25.7)	28 (29.8)		22 (46.8)	25 (28.4)	
Other	12(8.7)	10 (7.3)		8 (7.3)	8 (8.5)		9 (11.5)	7 (8.0)	
Unknown	1(0.7)	1 (0.7)		1 (0.9)	1 (1.1)		1 (1.3)	1 (1.1)	
Induction indication, n (%)			0.21			0.14			0.09
PROM	5 (3.6)	1(0.7)		3 (2.8)	0 (0)		5 (6.4)	1 (1.1)	
Postdates	35 (25.4)	45 (32.6)		26 (23.9)	27 (28.7)		20 (25.6)	35 (39.8)	
IUGR	20 (14.5)	13 (9.4)		19 (17.4)	9 (9.6)		11 (14.1)	8 (9.1)	
Hypertension	42 (30.4)	43 (31.2)		35 (32.1)	30 (31.9)		21(26.9)	25 (28.4)	
Oligohydramnios	8 (5.8)	13 (9.4)		6 (5.5)	12 (12.8)		5 (6.4)	9 (10.2)	
Other	28(20.3)	23(16.7)		20 (18.4)	16 (17.0)		16 (20.5)	10 (11.4)	
Foley use, n (%)	79 (57.3)	57 (41.3)	0.008	60(55.1)	42 (44.7)	0.14	46 (59.0)	39 (44.3)	0.06

GA, gestational age. BMI, body mass index. IUGR, intrauterine growth restriction. PROM, premature rupture of membranes

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