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Table 1. Comparison of baseline characteristics of women with and without subfertility

Maternal Characteristics	No subfertility n=52443	Subfertility n=3188	p-value	Treatment independent n=1497	Treatment dependent n=1403	p-value
Age in years*	27.9 (5.67)	32.1(4.87)	<0.01	32.1(4.9)	32.3 (4.7)	0.31
Parity			0.03			<0.01
Primiparous	37011(70.6)	2307(72.4)		1024 (68.4)	1093 (77.9)	
Multiparous	15431(29.4)	881(27.6)		473 (31.6)	310 (22.1)	
Body Mass Index			<0.01			0.10
<18.5 Kg/m ²	1207(2.5)	51(1.7)		28 (1.9)	20 (1.4)	
18.51 – 24.99 Kg/m ²	27211(56.5)	1561(51.7)		750 (50.1)	704 (50.1)	
25.0 – 30.0 Kg/m ²	13100(27.2)	845(28.0)		416 (27.8)	357 (25.5)	
> 30 Kg/m ²	6677(13.9)	563(18.6)		245 (16.4)	273 (19.5)	
Socio-economic status			<0.01			0.22
Non- manual	19876(37.9)	1792(56.2)		805 (53.8)	848 (60.4)	
Manual	5610(10.7)	347(10.9)		168 (11.2)	151 (10.8)	
Smoking status			<0.01			<0.01
Never smoked	35344(68.9)	2485(79.4)		1120 (74.8)	1150 (82.0)	
Ever smoked	15961(31.1)	646(20.6)		348 (23.3)	230 (16.4)	
Type of subfertility						<0.01
Primary				719 (48.0)	922 (65.7)	
Secondary				778 (52.0)	481 (34.3)	
Duration of subfertility (months)**				18 (12, 24)	18 (12, 30)	<0.01
Follow up time (months)**				36 (24, 48)	36 (24, 48)	0.86

All cells contain numbers (%) unless indicated as below:

*Mean (+/- standard deviation)

**Median (IQR)

Significant p-values are shown as bold

Table 2: Comparison of maternal, delivery and offspring outcomes of singleton pregnancies in women with and without subfertility

Outcomes	No subfertility n=52443*	Subfertility n=3188*	Unadj. Risk Ratio (95% CI)	Adj Risk Ratio (95% CI)**
Preeclampsia				
No	50102 (95.5)	2985 (93.6)	1.00	1.00
Yes	2341 (4.5)	203 (6.4)	1.43(1.24, 1.64)	1.18(1.02, 1.37)
Antepartum Haemorrhage				
No	45925 (87.6)	2682 (84.1)	1.00	1.00
Unexplained	5393 (10.3)	398 (12.5)	1.26(1.13, 1.41)	1.32(1.18, 1.47)
Placental Abruption	924 (1.8)	81 (2.5)	1.50(1.19, 1.89)	1.34(1.05, 1.71) ^a
Placenta praevia	201 (0.4)	27 (0.9)	2.30(1.54, 3.44)	1.86(1.23, 2.84)
Type of labour				
Spontaneous	34284 (65.4)	1843 (57.8)	1.00	1.00
Induced	14953 (28.5)	1042 (32.7)	1.30(1.20, 1.40)	1.21(1.11, 1.31) ^b
Elective C-section	3206 (6.1)	303 (9.5)	1.76(1.55, 1.99)	1.19(1.04, 1.36) ^b
Forceps				
No	47021 (89.7)	2814 (88.3)	1.00	1.00
Yes	5422 (10.3)	374 (11.7)	1.14(1.03, 1.25)	0.98(0.89, 1.09) ^c
Vacuum extraction				
No	47150 (89.9)	2818 (88.4)	1.00	1.00
Yes	5293 (10.1)	370 (11.6)	1.15(1.04, 1.27)	1.03(0.93, 1.13) ^c
Emergency Caesarean				
No	43911 (83.7)	2453 (76.9)	1.00	1.00
Yes	8532 (16.3)	735 (23.1)	1.42(1.33, 1.51)	1.19(1.12, 1.28) ^c
Gestation at delivery				
>37 weeks	48487 (92.5)	2904 (91.1)	1.00	1.00
<37 weeks	3217 (6.1)	200 (6.3)	1.04(0.90, 1.20)	1.04(0.89, 1.21) ^c
<32 weeks	737 (1.4)	84 (2.6)	1.90(1.51, 2.39)	1.96(1.53, 2.49) ^c
Low birth weight				
No	48835 (93.1)	2935 (92.1)	1.00	1.00
Yes	3601 (6.9)	252 (7.9)	1.15(1.02, 1.30)	1.22 (1.08, 1.38)
Small for Dates				
No	47168 (89.9)	2817 (88.4)	1	1
Yes	2935 (5.6)	181 (5.7)	1.03(0.88, 1.20)	1.11(0.95, 1.30)
missing	2340 (4.5)	190 (6.0)	1.36(1.17, 1.58)	1.01 (0.87, 1.20)
Offspring outcome				
Live birth	51886 (98.9)	3147 (98.7)	1	1
Stillbirth	349 (0.7)	20 (0.6)	0.95(0.60, 1.49)	0.65(0.39, 1.07) ^d
Neonatal death	195 (0.4)	20 (0.6)	1.69(1.07, 2.68)	1.14(0.68, 1.91) ^d

*Outcomes expressed as number (%)

**Adjusted for maternal age, parity, BMI, socioeconomic status, smoking status and year of delivery. Additionally as indicated below:

^aPre-eclampsia; ^bgestational age and pre-eclampsia; ^cinduction of labour; ^dgestational age

Statistically significant risk ratios are shown as bold

Table 3. Comparison of maternal, delivery and offspring outcomes for treatment dependent and treatment independent pregnancies in subfertile women

Outcomes	Treatment independent n=1497*	Treatment dependent n=1403*	Unadj. Risk Ratio (95% CI)	Adj Risk Ratio (95% CI)**
Preeclampsia				
No	1407 (94.0)	1307 (93.2)	1.00	1.00
Yes	90(6.0)	96(6.8)	0.88(0.67,1.16)	0.99(0.75, 1.31)
Antepartum Haemorrhage				
No	1261 (84.2)	1178 (84.0)	1.00	1.00
Unexplained	185(12.4)	178(12.7)	0.97(0.78, 1.21)	0.99(0.80, 1.24)
Placental Abruption	39(2.6)	34(2.4)	1.07(0.67, 1.71)	1.12(0.69, 1.81) ^a
Placenta praevia	12(0.8)	13(0.9)	0.86(0.39, 1.90)	0.80(0.36, 1.78)
Type of labour				
Spontaneous	871 (58.2)	798 (56.9)	1.00	1.00
Induced	483(32.3)	475(33.9)	0.93(0.80, 1.09)	0.95(0.81, 1.13) ^b
Elective C-section	143(9.6)	130(9.3)	1.01(0.78, 1.30)	0.96(0.73, 1.26) ^b
Forceps delivery				
No	1316 (87.9)	1239 (88.3)	1.00	1.00
Yes	181(12.1)	164(11.7)	1.03(0.85, 1.26)	1.13(0.93, 1.38) ^c
Vacuum extraction-No				
Yes	1334 (89.1)	1220 (87.0)	1.00	1.00
	163(10.9)	183(13.0)	0.83(0.68, 1.02)	0.89(0.73, 1.08) ^c
Emergency Caesarean				
No	1168 (78.0)	1058 (75.4)	1.00	1.00
Yes	329(22.0)	345(24.6)	0.89(0.78, 1.02)	0.92(0.80, 1.04) ^c
Gestation at delivery				
>37 weeks	1369 (91.5)	1279 (91.2)	1.00	1.00
<37 weeks	84(5.6)	91(6.5)	0.86(0.63, 1.17)	0.86(0.63, 1.18) ^c
<32 weeks	44(2.9)	33(2.4)	1.25(0.79, 1.97)	1.39(0.86, 2.24) ^c
Low birth weight				
No	1379 (92.2)	1294 (92.2)	1.00	1.00
Yes	117 (7.8)	109 (7.8)	1.01(0.78, 1.29)	1.02 (0.79, 1.32)
Small for Dates				
No	1323 (88.4)	1239 (88.3)	1	1
Yes	87(5.8)	75(5.4)	1.09(0.79, 1.49)	1.01(0.73, 1.40)
missing	87 (5.8)	89 (6.3)		
Offspring outcome				
Live birth	1478 (98.8)	1382 (98.5)	1	1
Stillbirth	11(0.7)	9(0.6)	1.14(0.47, 2.77)	0.73(0.26, 2.05) ^d
Neonatal death	7(0.5)	12(0.9)	0.55(0.21, 1.39)	0.44(0.15, 1.29) ^d

*Expressed as number (%)

Statistically significant risk ratios are shown as bold

**Adjusted for maternal age, parity, BMI, socioeconomic status, smoking status and year of delivery. Additionally as indicated below:

^aPre-eclampsia; ^bgestational age and pre-eclampsia; ^cinduction of labour; ^dgestational age

Table 4.: Comparison of maternal, delivery and offspring outcomes of twin pregnancies in women with and without subfertility

Outcomes	No subfertility n= 1125*	Subfertility n= 350*	Unadjusted RR (95% CI)	Adjusted RR (95%CI)**
Pre-Eclampsia				
No	999(88.8)	304(86.9)	1	1
Yes	126 (11.2)	46 (13.1)	1.2 (0.84, 1.72)	0.65 (0.37- 1.17)
Antepartum Haemorrhage				
No	953(84.7)	292(83.4)	1	1
Unexplained	108 (9.6)	30 (8.6)	0.91 (0.59, 1.39)	0.78 (0.38- 1.63)
Placental abruption	62 (5.5)	22 (6.3)	1.16 (0.70, 1.92)	1.05 (0.43-2.56)
Placenta Praevia	2 (0.2)	6 (1.7)	9.8 (1.97, 48.77)	1.27 (0.80-20.43)
Type of labour				
Spontaneous	538(47.8)	135(39.6)	1	1
Induced	327 (29.1%)	111 (31.7%)	1.35 (1.02, 1.80)	1.03 (0.58- 1.84) ^a
Elective Caesarean	260 (23.1%)	104 (29.7%)	1.59 (1.19, 2.14)	1.43 (0.85- 2.41) ^a
Type of delivery:				
Vaginal delivery	397 (35.8)	124(35.4)	1	1
Breech	194 (17.2%)	42 (12%)	0.89 (0.60-1.25)	0.71 (0.34-1.46) ^b
Forceps	119 (10.6%)	31 (8.9%)	0.66 (0.41- 1.08)	0.54 (0.20- 1.45) ^b
Vacuum	137 (12.2%)	36 (10.3%)	0.61 (0.38- 0.96)	0.66 (0.26-1.67) ^b
Emergency Caesarean	268 (23.8%)	117 (33.4%)	2.01 (1.5- 2.68)	2.14 (1.26-3.66)^b
Missing	10(0.4%)	-		
Gestation at delivery				
>37 weeks	354(31.5)	109(31.1)	1	1
<37 weeks	649 (57.7%)	204 (58.3%)	1.03 (0.80, 1.31)	1.21 (0.85-1.74) ^b
<32 weeks	122 (10.8%)	37 (10.6%)	0.97 (0.66, 1.43)	1.42 (0.68- 2.94) ^b

*Expressed as number (%)

Statistically significant risk ratios are shown as bold

**Adjusted risk ratios were calculated adjusted for year of delivery, maternal age, parity, chorionicity, type of subfertility (primary/secondary), follow up time (years) plus additionally:

^agestational age and pre-eclampsia, ^b Induction of labour