

## Supplementary Online Content

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**eTable.** Good Perinatal Outcome Among Completed IVF Cycles in 2010 Using Fresh, Donor Oocytes, First Donor Cycle (N=9,442 Cycles)

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable.** Good Perinatal Outcome Among Completed IVF Cycles in 2010 Using Fresh, Donor Oocytes, First Donor Cycle (N=9,442 Cycles)

Exposure	% Donor Oocyte Cycles with Good Perinatal Outcome*		Unadjusted Odds Ratio (95% CI)		Adjusted Odds Ratio <sup>##</sup> (95% CI)	
	No.	(%, CI)	OR	CI	aOR	CI
<b>Total</b>	2613	27.7 (26.8, 28.6)				
<b>Donor Age**</b>						
<35	1573	27.4 (26.2, 28.5)	Reference			
35-37	20	35.1 (23.9, 48.2)	1.43	(0.81, 2.54)		
38-40	---	---				
41-42	---	---				
43-44	---	---				
<b>Recipient Age</b>						
< 35	281	26.9 (24.3, 29.7)	Reference			
35-37	255	28.0 (25.2, 31.0)	1.05	(0.85, 1.30)		
38-40	498	28.8 (26.7, 31.0)	1.10	(0.90, 1.33)		
41-42	479	27.0 (25.0, 29.1)	1.00	(0.83, 1.21)		
43-44	481	28.7 (26.5, 30.9)	1.09	(0.90, 1.31)		
≥ 45	619	26.8 (25.1, 28.7)	1.00	(0.82, 1.20)		
<b>Ethnicity**</b>						
Non-Hispanic White	1290	29.0 (27.6, 30.3)	Reference			
Non-Hispanic Black	64	16.5 (13.1, 20.5)	0.48	(0.33, 0.71)		
Asian/Pacific Islander	208	27.7 (24.6, 31.0)	0.94	(0.79, 1.13)		
Hispanic	133	23.6 (20.3, 27.3)	0.76	(0.61, 0.95)		
Other	2	16.7 (4.2, 47.7)	0.49	(0.10, 2.31)		
Missing	916	28.0 (26.5, 29.5)	0.95	(0.85, 1.07)		
<b>Infertility Diagnosis</b>						
No Tubal Factor	2481	28.2 (27.3, 29.1)	Reference		Reference	
Tubal Factor	132	20.7 (17.7, 24.0)	0.66	(0.54, 0.81)	0.70	(0.57, 0.86)
No Endometriosis	2469	27.9 (27.0, 28.8)	Reference			
Endometriosis	144	24.5 (21.2, 28.2)	0.84	(0.69, 1.03)		

No Uterine Factor	2500	28.0 (27.1, 28.9)	Reference		Reference	
Uterine Factor	113	22.1 (18.7, 25.9)	0.73	(0.58, 0.92)	0.74	(0.58, 0.95)
No Ovulatory Disorder	2513	27.6 (26.7, 28.5)	Reference			
Ovulatory Disorder	100	29.7 (25.0, 34.8)	1.11	(0.88, 1.40)		
No Diminished Ovarian Reserve	647	27.1 (25.4, 28.9)	Reference			
Diminished Ovarian Reserve	1966	27.9 (26.8, 28.9)	1.04	(0.90, 1.20)		
No Male Factor	2145	27.9 (26.9, 28.9)	Reference			
Male Factor	468	26.8 (24.7, 28.9)	0.95	(0.82, 1.09)		
		<b>% Donor Oocyte Cycles with Good Perinatal Outcome*</b>		<b>Unadjusted Odds Ratio (95% CI)</b>		<b>Adjusted Odds Ratio<sup>##</sup> (95% CI)</b>
<b>Number of Prior Pregnancies</b>						
0	1026	27.6 (26.2, 29.1)	Reference			
1	613	28.1 (26.3, 30.0)	1.02	(0.92, 1.14)		
2+	943	27.4 (25.9, 28.9)	0.99	(0.89, 1.09)		
<b>Number of Prior Spontaneous Abortions</b>						
0	1610	28.1 (26.9, 29.3)	Reference			
1	534	27.1 (25.2, 29.1)	0.95	(0.85, 1.06)		
2+	425	26.5 (24.4, 28.7)	0.92	(0.81, 1.05)		
<b>Number of Prior Preterm Births</b>						
0	2481	27.6 (26.7, 28.5)	Reference			
1	70	30.7 (25.1, 37.0)	1.16	(0.85, 1.59)		
2+	5	13.5 (5.7, 28.6)	0.41	(0.16, 1.05)		
<b>Number of Prior Full Term Births</b>						
0	1887	27.5 (26.4, 28.6)	Reference			
1	497	29.9 (27.7, 32.2)	1.13	(0.99, 1.28)		
2+	183	23.6 (20.7, 26.7)	0.81	(0.68, 0.98)		

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<b>Number of Prior ART Cycles</b>						
0	1186	29.4 (28.0, 30.9)	Reference			
1	426	27.8 (25.6, 30.1)	0.92	(0.79, 1.08)		
2+	996	25.8 (24.4, 27.2)	0.83	(0.74, 0.94)		
<b>Use of Intra-cytoplasmic Sperm Injection</b>						
Did not use Intra-cytoplasmic Sperm Injection	616	28.1 (26.3, 30.0)	Reference			
Used Intra-cytoplasmic Sperm Injection	1991	27.5 (26.5, 28.6)	0.97	(0.85, 1.11)		
<b>Use of Assisted Hatching</b>						
Did not used Assisted Hatching	2160	28.5 (27.4, 29.5)	Reference			
Used Assisted Hatching	453	24.5 (22.6, 26.5)	0.82	(0.70, 0.95)		
<b>Embryo Stage at Transfer</b>						
Day 3	640	23.6 (22.0, 25.2)	Reference		Reference	
Day 5	1807	29.7 (28.5, 30.8)	1.37	(1.19, 1.56)	1.15	(1.02, 1.29)
<b>Number of Embryos Transferred</b>						
1	630	41.0 (38.6, 43.5)	Reference			
2	1816	25.9 (24.9, 26.9)	0.50	(0.42, 0.60)		
3	146	18.7 (16.1, 21.6)	0.33	(0.26, 0.43)		
4+	21	19.3 (12.9, 27.8)	0.34	(0.21, 0.57)		
		<b>% Donor Oocyte Cycles with Good Perinatal Outcome*</b>	<b>Unadjusted Odds Ratio (95% CI)</b>		<b>Adjusted Odds Ratio<sup>##</sup> (95% CI)</b>	
<b>eSET<sup>#</sup></b>						
No eSET	1983	25.1 (24.1, 26.1)	Reference		Reference	
Yes eSET	561	44.6 (41.9, 47.4)	2.40	(2.01, 2.87)	2.30	(1.91, 2.78)

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<b>Number of Supernumerary Embryos Cryopreserved</b>						
0	612	23.5 (21.9, 25.2)	Reference			
1-2	500	27.9 (25.9, 30.1)	1.26	(1.10, 1.45)		
3-4	546	30.7 (28.6, 32.9)	1.44	(1.21, 1.72)		
5+	949	29.2 (27.7, 30.8)	1.34	(1.17, 1.54)		
<b>Number of Oocytes retrieved</b>						
0-10	366	25.4 (23.3, 27.7)	Reference			
11-20	1167	27.8 (26.5, 29.2)	1.13	(0.99, 1.29)		
21+	1078	28.3 (26.9, 29.8)	1.16	(1.01, 1.33)		
<b>Donor Shared</b>						
No single recipient	2173	27.3 (26.4, 28.3)	Reference			
Yes shared	440	29.5 (27.2, 31.8)	1.11	(0.95, 1.30)		

\*\* **Missing Data:** 38% of donor age, 35% of oocyte recipient race. All other variables < 2% missing data

\* good perinatal outcome defined as a singleton live-birth at greater than or equal to 37 weeks AND greater than or equal to 2500 grams. Numbers shown are for logistic regression model excluding race.

# eSET, "elective single embryo transfer," defined as one embryo transferred and  $\geq 1$  cryopreserved. Not included in multivariable analysis as linear relationship with eSET<sup>a</sup> Values not reported to protect confidentiality due to small cell size, and due to small denominators (see Table 1).

## Multivariable analysis reflects primary model not including race; magnitude and direction of effect did not change significantly when race was included in the final model