



15th International Conference on PGDIS PGDIS 2016, Italy May 9th – 11th 2015, Bologna

Multicenter study on implantation of euploid embryos – biopsy day 3 versus day 5. Harton and al, 2013

	Day 3 Biopsy		Day 5 Biopsy			
Age	Implantation (+ Sac)	Aneuploidy Rate	Age	Implantation (+ Sac)	Aneuploidy Rate	
30-34	40.6 (73/180)	53.1 (530/999)	30-34	51.1 (119/233)	31.7 (306/966)	
35-37	43.6 (44/101)	68.2 (420/616)	35-37	54.2 (65/120)	44.2 (237/536)	
38-40	42.1 (59/140)	73.7 (659/894)	38-40	47.2 (59/125)	43.1 (324/751)	
41-42	31.6 (18/57)	85.8 (460/536)	41-42	40.4 (19/47)	76.3 (200/262)	
P Value	NS	<0.001	P Value	NS	<0.001	

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Bla	asto	ocyst	time	forn	nation and aneuploidy
		Ane	ouploidy Rate	(%)	
	Age Groups	D5 Blastocyst	D6 Blastocyst	p value	 Xie at al 2014 D6 => Significantly more an euploidy
	donor	29 (n=217)	38 (n=88)	0.17	Younger age groups - high
	<35	24 (n=229)	46 (n=128)	0.00*	percentage of aneuploidy Day 6
	35-37	37 (n=139)	53 (n=100)	0.02*	 Vast majority D6 blastocysts from patients >40 years aneuploid
	38-40	55 (n=160)	68 (n=124)	0.04*	Blastocysts day 6 - still a very
	41-42	76 (n=80)	84 (n=45)	0.36	important source of chance in AMA

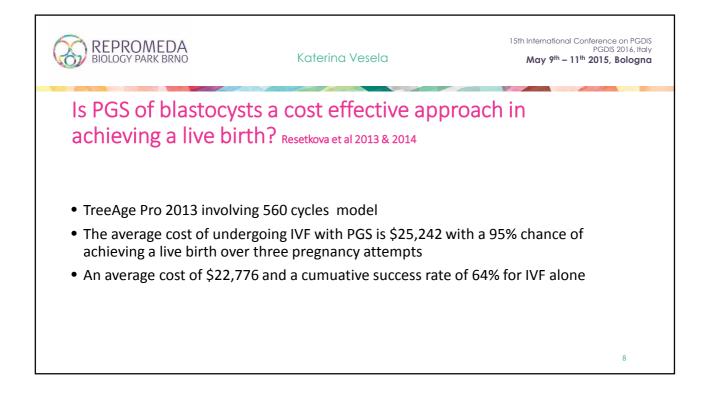
93 (n=51)

0.04*

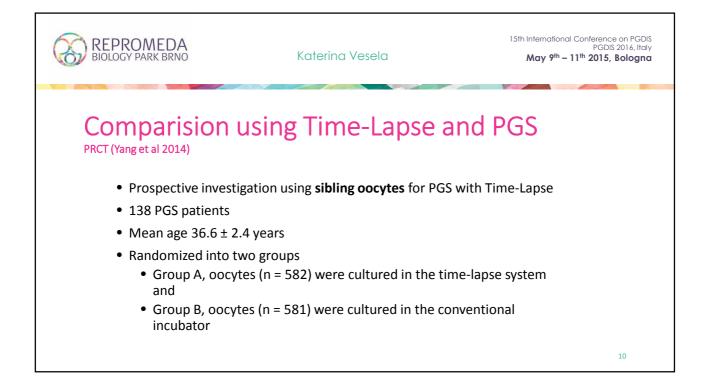
76 (n=42)

6

REPROMEI BIOLOGY PARK BI	DA RNO K	15th International Conference on PGDIS PGDIS 2016, Italy May 9 th – 11 th 2015, Bologna
Aneuplo	oidy and FSH	Rodrigues - Purata 2014
Factor	OR p-value	• Odds of aneuploidy increases by 10% for each year of a woman's
Age FSHMax	1.1 <0.0001	 reproductive lifespan (OR=1.1, p<0.0001) In women with FSH levels above 13
FSHMax>13	0.84 0.45	 In women with FSH levels above 13 mIU/ml the odds of aneuploidy increases by 50% for each additional
FSHMax>13:Age	1.52 <0.0001	year (OR=1.52, p<0.0001) of life.







BIOLOG	BIOLOGY PARK BRNO		Katerina Vesela			PGDIS 2016 May 9 th – 11 th 2015, Bold	
	Comparison of pregnance well as the mixed embry		outcomes between time-la	ese (Group A) and conven	ntional incubator (Group B), a	5	
	Parameters	Group A	Group B	Mixed	p value		
	Patient with SET	19	15	n/a			
	Patient with DET	26	22	45			
	Clinical pregnancies after SET	10	5	n/a			
	Clinical pregnancies after DET	21	11	24			
	Clinical pregnancy rate	71.1%	45.9%	53.3%	0.037ª		
	Implantation rate	66.2%	42.4%	47.8%	0.011ª		
	Ongoing pregnancy rate	68.9%	40.5%	48.9%	0.019ª		
	Pregnancy loss rate	3.1%	11.8%	8.3%	0.2730		

