

**CLINICAL RESULTS
2003.**





THE RESULTS OF ASSISTED REPRODUCTIVE TREATMENTS CARRIED OUT AT IVI DURING 2003.

In Vitro Fertilisation (IVF-ICSI)	3,634 cycles
Ovum donation (OVODON)	2,340 cycles
Frozen Embryo Transfer	772 cycles
Preimplantation Genetic Diagnosis (PGD)	657 cycles
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TOTAL	7,403 cycles



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2003 RESULTS FOR IVF-ICSI.

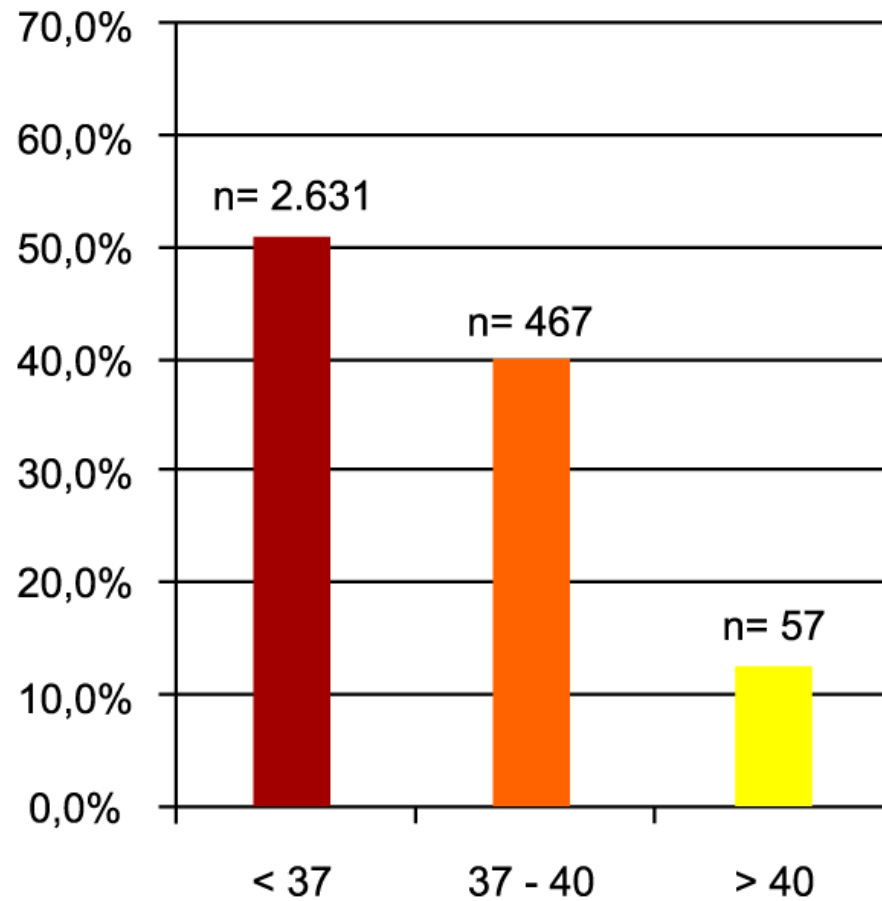
	Transfer on day 2-3	Transfer on day 5-6
Cycles carried out (transfers)	3,453 (3,065)	181 (90)
No. of pregnancies	1,533	46
% pregnancy following transfer	50,0	51,1
% implantation following embryo transfer	32,2	38,7
% twin pregnancy	30,8	23



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PREGNANCY AND IMPLANTATION RATES WITH IVF AND ICSI BY AGE GROUPS.



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2003 RESULTS FOR OVUM DONATION.

	Transfer on day 2-3	Transfer on day 5-6
Cycles carried out (transfers)	1,953 (1,667)	387 (320)
No. of pregnancies	992	224
% pregnancy following transfer	59,5	70,0
% implantation following embryo transfer	32,3	50,0
% twin pregnancy	24,6	36,4



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2003 RESULTS FOR FROZEN EMBRYO TRANSFER

	Total
Embryos thawed (frozen embryo transfers)	1,141 (772)
Rate of embryo transfer %	52,5
No. of pregnancies	323
% pregnancy following transfer	41,8
% embryo implantation	24,4



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2003 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Aneuploidy study*

	Previous implantation failures (3 or more)	Repeated miscarriage (3 or more)	Advanced maternal age (\geq 38 years old)	Male factor (abnormal FISH)	Mixed causes
No. of cycles	95	113	184	28	130
% abnormal embryos	60,7	58,3	70,7	62,0	64,9
No. of pregnancies/ transfer	34,7	45,8	30,0	58,3	38,6
Rate of implantation	24,0	30,2	23,8	50,0	31,0

* E.g. Down's syndrome



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2003 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Hereditary disorders linked to gender *

No. of cycles	17
% tranfer	40,0
% pregnancies / tranfer	50,0
implantation rate / embryo	40,0

* E.g. Haemophilia



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2003 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Translocation carriers

	Robertsonian	Reciprocal
No. of cycles	19	22
% transfer	65,0	80,6
% pregnancies / tranfer	45,0	44,4
Implantation rate / embryo	37,5	30,0



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2003 RESULTS FOR PGD (Preimplantation Genetic Diagnosis).

CF, spinal Muscular Atrophy, haemophilia

No. of cycles	11
No. of transfer	7
No. of pregnancies	4
% pregnancies / transfer	57,1
Implantation rate	35,7





Andrology Laboratory and Sperm Bank. Treatments.

Treatment	Artificial insemination (using donor sperm)	Artificial insemination
No. of cycles	565	1,898
Pregnancies	129	328
Pregnancy rate / cycle	22,9	18,2
Multiple pregnancies	21	55
Multiple pregnancy rate	16,3	16,7



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Andrology Laboratory and Sperm Bank. Sperm washing for serodiscordant couples.

Treatment	HIV	HIV/HCV	HCV
Number	28	8	20
Positive	1	1	1
Negative	27	7	19
Positivity rate	3,5 %	12,5 %	5 %





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