

**CLINICAL RESULTS
2004.**





THE RESULTS OF ASSISTED REPRODUCTIVE TREATMENTS CARRIED OUT AT IVI DURING 2004.

| | |
|---|---------------------|
| In Vitro Fertilisation (IVF-ICSI) | 4,123 cycles |
| Ovum donation (OVODON) | 2,470 cycles |
| Frozen Embryo Transfer | 1,121 cycles |
| Preimplantation Genetic Diagnosis (PGD) | 923 cycles |
| <hr/> | |
| TOTAL | 8,637 cycles |



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2004 RESULTS FOR IVF-ICSI.

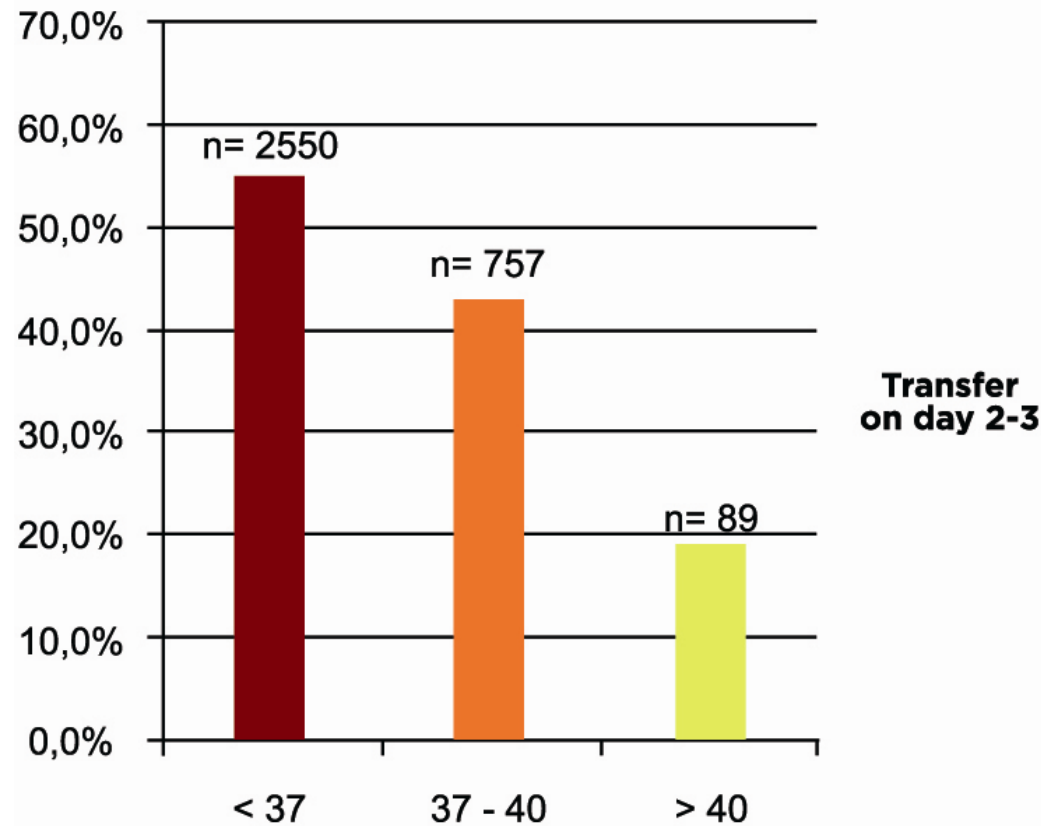
| | Transfer on day 2-3 | Transfer on day 5-6 |
|---|--------------------------------|--------------------------------|
| Cycles carried out (transfers) | 3,804 (3,396) | 319 (270) |
| No. of pregnancies | 1,750 | 140 |
| % pregnancy following transfer | 51,5 | 51,9 |
| % implantation following embryo transfer | 32,5 | 39,2 |
| % multiple pregnancy | 30,9 | 20,0 |



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



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2004 RESULTS FOR OVUM DONATION.

| | Transfer on day 2-3 | Transfer on day 5-6 |
|---|--------------------------------|--------------------------------|
| Cycles carried out (transfers) | 1,997 (1,664) | 473 (407) |
| No. of pregnancies | 1,037 | 291 |
| % pregnancy following transfer | 62,3 | 71,5 |
| % implantation following embryo transfer | 33,5 | 51,1 |
| % twin pregnancy | 26,2 | 32,8 |



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2004 RESULTS FOR FROZEN EMBRYO TRANSFER

| | Total |
|---|--------------|
| Embryos thawed (frozen embryo transfers) | 1,221 (782) |
| Rate of embryo transfer % | 53,1 |
| No. of pregnancies | 329 |
| % pregnancy following transfer | 42,1 |
| % embryo implantation | 24,9 |



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2004 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Aneuploidy study*

| | Previous implantation failures (3 or more) | Repeated miscarriage (2 or more) | Advanced maternal age (≥ 38 years old) | Male factor (abnormal FISH) | Others |
|------------------------|--|----------------------------------|--|-----------------------------|--------|
| No. of cycles | 181 | 164 | 284 | 26 | 164 |
| % transfer | 71,8 | 60,4 | 41,5 | 73,1 | 77,4 |
| % pregnancies/transfer | 36,2 | 45,5 | 32,2 | 57,9 | 48,8 |
| % miscarriages | 17,0 | 2,3 | 21,1 | 9,1 | 8,1 |

* E.g. Down's syndrome



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2004 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Hereditary disorders linked to gender *

| | |
|----------------------------|------|
| No. of cycles | 17 |
| % tranfer | 82,4 |
| % pregnancies / tranfer | 57,1 |
| implantation rate / embryo | 43,0 |
| % miscarriages | 30,5 |

* E.g. Haemophilia



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2004 RESULTS FOR PGD (Preimplantation Genetic Diagnosis). Translocation carriers

| | Robertsonian | Reciprocal |
|----------------------------|---------------------|-------------------|
| No. of cycles | 15 | 35 |
| % transfer | 53,3 | 31,4 |
| % pregnancies / tranfer | 50 | 36,4 |
| Implantation rate / embryo | 51,1 | 40,0 |
| % miscarriages | 0 | 0 |



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2004 RESULTS FOR PGD (Preimplantation Genetic Diagnosis).

CF, spinal Muscular Atrophy, haemophilia

| | |
|----------------------------|------|
| No. of cycles | 28 |
| % transfer | 96,4 |
| No. of pregnancies | 15 |
| % pregnancies / transfer | 55,6 |
| Implantation rate / embryo | 35,0 |
| Miscarriages | 0 |



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Andrology Laboratory and Sperm Bank. Treatments.

| Treatment | Artificial insemination (using donor sperm) | Artificial insemination |
|-------------------------|--|--------------------------------|
| No. of cycles | 628 | 2,052 |
| Pregnancies | 179 | 378 |
| Pregnancy rate / cycle | 28,5 | 18,4 |
| Multiple pregnancies | 18 | 67 |
| Multiple pregnancy rate | 10,1 | 17,7 |



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

| Treatment | HIV / HCV |
|------------------|------------------|
| Number | 51 |
| Positive | 1 |
| Negative | 50 |
| Positivity rate | 2 % |



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