

Table 1

Number of Gametes and Embryos Stored by RT Centres in 2011

| Storage | as at 31 December 2011 |
|----------------|-------------------------------|
| Embryos | 22223 |
| Eggs (oocytes) | 124 |
| Semen Samples | 3025 |

Table 2

Number and Ages of Gamete Donors in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age Group | Female Donors | % | Male Donors | % | Total |
|-----------------------------|----------------------|---------------|--------------------|---------------|--------------|
| 18-20 | 5 | 9.6% | 0 | 0.0% | 5 |
| 21-25 | 16 | 30.8% | 4 | 17.4% | 20 |
| 26-30 | 16 | 30.8% | 2 | 38.4% | 18 |
| 31-35 | 11 | 21.2% | 5 | 21.7% | 16 |
| 36-40 | 4 | 7.7% | 6 | 26.1% | 10 |
| 41-45 | 0 | 0.0% | 6 | 26.1% | 6 |
| 46-50 | 0 | 0.0% | 0 | 0.0% | 0 |
| 51-55 | 0 | 0.0% | 0 | 0.0% | 0 |
| 56 or above | 0 | 0.0% | 0 | 0.0% | 0 |
| Total no. of donors: | 52 | 100.0% | 23 | 100.0% | 75 |

Remark:

The number of donors referring to the number of donors whose donated gametes were used in 2011.

Table 3

Number and Ages of Embryo Donors in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age Group | Female Donors | % | Male Donors | % | Total |
|-----------------------------|----------------------|---------------|--------------------|---------------|--------------|
| 18-20 | 0 | 0.0% | 0 | 0.0% | 0 |
| 21-25 | 0 | 0.0% | 0 | 0.0% | 0 |
| 26-30 | 0 | 0.0% | 0 | 0.0% | 0 |
| 31-35 | 0 | 0.0% | 0 | 0.0% | 0 |
| 36-40 | 1 | 50.0% | 0 | 0.0% | 1 |
| 41-45 | 1 | 50.0% | 2 | 100.0% | 3 |
| 46-50 | 0 | 0.0% | 0 | 0.0% | 0 |
| 51-55 | 0 | 0.0% | 0 | 0.0% | 0 |
| Total no. of donors: | 2 | 100.0% | 2 | 100.0% | 4 |

Remark:

Both female and male donors will be counted for embryo donation.

Table 4

Number of Gametes and Embryos Donation Made in 2011

| Donated Material | Number of Donors | Number of Donations Made |
|-------------------------|-------------------------|---------------------------------|
| Semen | 20 | 20 |
| Eggs (oocytes) | 28 | 29 |
| Embryos | 4 | 5 |

Remark:

The number of donors referring to the number of donors who made donation in 2011.

Table 5**Live Birth Outcome Using DI in 2011**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| | |
|----------------------------------|-------|
| Number of DI Patients | 8 |
| Number of DI Treatment Cycles | 11 |
| Clinical Pregnancies | 4 |
| Clinical Pregnancy Rate | 36.4% |
| Ongoing Pregnancy | 4 |
| Ongoing Pregnancy Rate | 36.4% |
| Total DI Live Birth | 3 |
| DI Live Birth Rate | 27.3% |
| DI Singleton Birth | 3 |
| DI Twin Birth | 0 |
| DI Triple and Higher Order Birth | 0 |
| Multiple DI Live Birth Rate | 0 |
| Total Number of Babies Born | 3 |

Table 6**Live Birth Outcome Using Donated Gametes and Embryos in 2011 (RT procedures other than DI)**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| | Donated Sperm | Donated Eggs (oocytes) | Donated Embryos | Total |
|-------------------------------|----------------------|-------------------------------|------------------------|--------------|
| Number of Patients | 17 | 52 | 5 | 74 |
| Number of Treatment Cycles | 27 | 72 | 5 | 104 |
| Embryo Transfers | 26 | 71 | 5 | 102 |
| Clinical Pregnancies | 11 | 25 | 2 | 38 |
| Clinical Pregnancy Rate | 40.7% | 34.7% | 40.0% | 36.5% |
| Ongoing Pregnancy | 10 | 24 | 2 | 36 |
| Ongoing Pregnancy Rate | 37.0% | 33.3% | 40.0% | 34.6% |
| Total Live Births | 9 | 22 | 2 | 33 |
| Live Birth Rate | 33.3% | 30.6% | 40.0% | 31.7% |
| Singleton Birth | 6 | 17 | 2 | 25 |
| Twin Birth | 3 | 5 | 0 | 8 |
| Triple and Higher Order Birth | 0 | 0 | 0 | 0 |
| Multiple Live Birth Rate | 11.1% | 6.9% | 0.0% | 7.7% |
| Total Number of Babies Born | 12 | 27 | 2 | 41 |

Remarks:

RT Procedures include: IVF, IVF/ ICSI, GIFT, ZIFT, MIFT and PROST.

Table 7

Types of RT Procedures in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Types of RT Procedures | No. of Patients | No. of Treatment Cycles |
|-------------------------------|------------------------|--------------------------------|
| IVF-ET | 712 | 771 |
| IVF+ICSI | 3313 | 4153 |
| GIFT | 0 | N/A |
| ZIFT/PROST | 0 | N/A |
| Frozen-thawed ET | 2401 | 3115 |
| AIH | 3956 | 5771 |
| Others | 54 | 64 |
| Total: | 10436 | 13874 |

Remarks:

(1) "Others" include 3 cycles of oocyte freezing, 50 failed cycles (involving 43 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE and 11 cycles (involving 8 patients) of donor insemination.

(2) Among 13874 treatment cycles, 587 cycles involved other types of micromanipulation such as assisted hatching, in vitro maturation of eggs, PGD, MESA, TESA or TESE.

Table 8**Analysis of Live Birth Rates among Women by Different Age Group in IVF Cycles in 2011 (with or without ICSI)***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)*

| Age | IVF- with ICSI | | | | | Age | IVF- without ICSI | | | | |
|---------------|------------------|-------------------|------------------------|-------------|-----------------|---------------|-------------------|-------------------|------------------------|-------------|-----------------|
| | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
| 18-20 | 2 | 1 | 50.0% | 1 | 50.0% | 18-20 | 0 | N/A | N/A | N/A | N/A |
| 21-25 | 26 | 8 | 30.8% | 6 | 23.1% | 21-25 | 1 | 0 | 0.0% | N/A | N/A |
| 26-30 | 250 | 85 | 34.0% | 74 | 29.6% | 26-30 | 46 | 19 | 41.3% | 17 | 37.0% |
| 31-35 | 1013 | 322 | 31.8% | 287 | 28.3% | 31-35 | 257 | 85 | 33.1% | 80 | 31.1% |
| 36-40 | 1737 | 393 | 22.6% | 323 | 18.6% | 36-40 | 388 | 95 | 24.5% | 74 | 19.1% |
| 41-45 | 1004 | 85 | 8.5% | 46 | 4.6% | 41-45 | 79 | 12 | 15.2% | 8 | 10.1% |
| 46-50 | 120 | 1 | 0.8% | 0 | 0.0% | 46-50 | 0 | N/A | N/A | N/A | N/A |
| 51-55 | 1 | 0 | 0.0% | N/A | N/A | 51-55 | 0 | N/A | N/A | N/A | N/A |
| 56 and above | 0 | N/A | N/A | N/A | N/A | 56 and above | 0 | N/A | N/A | N/A | N/A |
| Total: | 4153 | 895 | 21.6% | 737 | 17.7% | Total: | 771 | 211 | 27.4% | 179 | 23.2% |

| Age | IVF- all cycles | | | | |
|---------------|------------------|-------------------|------------------------|-------------|-----------------|
| | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
| 18-20 | 2 | 1 | 50.0% | 1 | 50.0% |
| 21-25 | 27 | 8 | 29.6% | 6 | 22.2% |
| 26-30 | 296 | 104 | 35.1% | 91 | 30.7% |
| 31-35 | 1270 | 407 | 32.0% | 367 | 28.9% |
| 36-40 | 2125 | 488 | 23.0% | 397 | 18.7% |
| 41-45 | 1083 | 97 | 9.0% | 54 | 5.0% |
| 46-50 | 120 | 1 | 0.8% | 0 | 0.0% |
| 51-55 | 1 | 0 | 0.0% | N/A | N/A |
| 56 and above | 0 | N/A | N/A | N/A | N/A |
| Total: | 4924 | 1106 | 22.5% | 916 | 18.6% |

*Remark:**The age of wife has been used in calculating the age of patient.*

Table 9**Analysis of Live Birth Rates among Women by Different Age Group in Different Type of RT Procedures in 2011***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)*

| Age | IVF- ET | | | | | Age | GIFT | | | | |
|---------------|------------------|-------------------|------------------------|-------------|-----------------|---------------|------------------|-------------------|------------------------|-------------|-----------------|
| | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
| 18-20 | 0 | N/A | N/A | N/A | N/A | 18-20 | 0 | N/A | N/A | N/A | N/A |
| 21-25 | 1 | 0 | 0.0% | N/A | N/A | 21-25 | 0 | N/A | N/A | N/A | N/A |
| 26-30 | 46 | 19 | 41.3% | 17 | 37.0% | 26-30 | 0 | N/A | N/A | N/A | N/A |
| 31-35 | 257 | 85 | 33.1% | 80 | 31.1% | 31-35 | 0 | N/A | N/A | N/A | N/A |
| 36-40 | 388 | 95 | 24.5% | 74 | 19.1% | 36-40 | 0 | N/A | N/A | N/A | N/A |
| 41-45 | 79 | 12 | 15.2% | 8 | 10.1% | 41-45 | 0 | N/A | N/A | N/A | N/A |
| 46-50 | 0 | N/A | N/A | N/A | N/A | 46-50 | 0 | N/A | N/A | N/A | N/A |
| 51-55 | 0 | N/A | N/A | N/A | N/A | 51-55 | 0 | N/A | N/A | N/A | N/A |
| 56 and above | 0 | N/A | N/A | N/A | N/A | 56 and above | 0 | N/A | N/A | N/A | N/A |
| Total: | 771 | 211 | 27.4% | 179 | 23.2% | Total: | 0 | N/A | N/A | N/A | N/A |

| Age | ZIFT/PROST | | | | | Age | AIH-IUI | | | | |
|---------------|------------------|-------------------|------------------------|-------------|-----------------|---------------|------------------|-------------------|------------------------|-------------|-----------------|
| | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
| 18-20 | 0 | N/A | N/A | N/A | N/A | 18-20 | 0 | N/A | N/A | N/A | N/A |
| 21-25 | 0 | N/A | N/A | N/A | N/A | 21-25 | 26 | 6 | 23.1% | 6 | 23.1% |
| 26-30 | 0 | N/A | N/A | N/A | N/A | 26-30 | 490 | 69 | 14.1% | 49 | 10.0% |
| 31-35 | 0 | N/A | N/A | N/A | N/A | 31-35 | 2337 | 305 | 13.1% | 239 | 10.2% |
| 36-40 | 0 | N/A | N/A | N/A | N/A | 36-40 | 2266 | 209 | 9.2% | 144 | 6.4% |
| 41-45 | 0 | N/A | N/A | N/A | N/A | 41-45 | 592 | 17 | 2.9% | 14 | 2.4% |
| 46-50 | 0 | N/A | N/A | N/A | N/A | 46-50 | 58 | 0 | 0.0% | N/A | N/A |
| 51-55 | 0 | N/A | N/A | N/A | N/A | 51-55 | 2 | 0 | 0.0% | N/A | N/A |
| 56 and above | 0 | N/A | N/A | N/A | N/A | 56 and above | 0 | N/A | N/A | N/A | N/A |
| Total: | 0 | N/A | N/A | N/A | N/A | Total: | 5771 | 606 | 10.5% | 452 | 7.8% |

Remark:

The age of wife has been used in calculating the age of patient.

Table 10

Analysis on Effect of One Embryo Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 1 | 1 | 1 | 100.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 7 | 7 | 4 | 57.1% | 3 | 42.9% | 1 | 14.3% | 0 | 0.0% | N/A | N/A | N/A | N/A | 3 |
| 26-30 | 79 | 82 | 23 | 28.0% | 21 | 25.6% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 21 |
| 31-35 | 299 | 315 | 90 | 28.6% | 74 | 23.5% | 3 | 1.0% | 2 | 0.6% | 2 | 0.6% | 0 | 0.0% | 76 |
| 36-40 | 371 | 409 | 73 | 17.8% | 60 | 14.7% | 2 | 0.5% | 2 | 0.5% | 2 | 0.5% | 0 | 0.0% | 62 |
| 41-45 | 154 | 170 | 15 | 8.8% | 11 | 6.5% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 11 |
| 46-50 | 19 | 23 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 930 | 1007 | 206 | 20.5% | 169 | 16.8% | 6 | 0.6% | 4 | 0.4% | 4 | 0.4% | 0 | 0.0% | 173 |

Analysis on Effect of Two Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 1 | 1 | 1 | 100.0% | 1 | 100.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 1 |
| 21-25 | 22 | 32 | 14 | 43.8% | 11 | 34.4% | 2 | 6.3% | 2 | 6.3% | 2 | 6.3% | 0 | 0.0% | 13 |
| 26-30 | 287 | 322 | 145 | 45.0% | 125 | 38.8% | 45 | 14.0% | 39 | 12.1% | 38 | 11.8% | 1 | 0.3% | 165 |
| 31-35 | 1076 | 1312 | 507 | 38.6% | 448 | 34.1% | 125 | 9.5% | 102 | 7.8% | 100 | 7.6% | 2 | 0.2% | 552 |
| 36-40 | 1386 | 1692 | 478 | 28.3% | 384 | 22.7% | 95 | 5.6% | 64 | 3.8% | 63 | 3.7% | 1 | 0.1% | 449 |
| 41-45 | 426 | 533 | 61 | 11.4% | 40 | 7.5% | 4 | 0.8% | 2 | 0.4% | 2 | 0.4% | 0 | 0.0% | 42 |
| 46-50 | 26 | 31 | 5 | 16.1% | 2 | 6.5% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 2 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 3224 | 3923 | 1211 | 30.9% | 1011 | 25.8% | 271 | 6.9% | 209 | 5.3% | 205 | 5.2% | 4 | 0.1% | 1224 |

Analysis on Effect of Three Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 3 | 3 | 1 | 33.3% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 53 | 68 | 29 | 42.6% | 24 | 35.3% | 11 | 16.2% | 11 | 16.2% | 10 | 14.7% | 1 | 1.5% | 36 |
| 31-35 | 281 | 342 | 120 | 35.1% | 102 | 29.8% | 33 | 9.6% | 28 | 8.2% | 28 | 8.2% | 0 | 0.0% | 130 |
| 36-40 | 741 | 910 | 250 | 27.5% | 200 | 22.0% | 59 | 6.5% | 44 | 4.8% | 43 | 4.7% | 1 | 0.1% | 245 |
| 41-45 | 366 | 470 | 59 | 12.6% | 34 | 7.2% | 7 | 1.5% | 5 | 1.1% | 5 | 1.1% | 0 | 0.0% | 39 |
| 46-50 | 23 | 25 | 1 | 4.0% | 1 | 4.0% | 1 | 4.0% | 1 | 4.0% | 1 | 4.0% | 0 | 0.0% | 2 |
| 51-55 | 1 | 1 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 1468 | 1819 | 460 | 25.3% | 361 | 19.8% | 111 | 6.1% | 89 | 4.9% | 87 | 4.8% | 2 | 0.1% | 452 |

Analysis on Effect of Four or More Embryos Transferred (Fresh/Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 31-35 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 36-40 | 61 | 84 | 22 | 26.2% | 14 | 16.7% | 4 | 4.8% | 4 | 4.8% | 4 | 4.8% | 0 | 0.0% | 18 |
| 41-45 | 79 | 120 | 20 | 16.7% | 15 | 12.5% | 3 | 2.5% | 1 | 0.8% | 1 | 0.8% | 0 | 0.0% | 16 |
| 46-50 | 8 | 10 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 148 | 214 | 42 | 19.6% | 29 | 13.6% | 7 | 3.3% | 5 | 2.3% | 5 | 2.3% | 0 | 0.0% | 34 |

Remarks:

- (1) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (2) The age of wife has been used in calculating the age of patient.

Table 11

Analysis on Effect of One Embryo Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 1 | 1 | 1 | 100.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 3 | 3 | 2 | 66.7% | 2 | 66.7% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 2 |
| 26-30 | 46 | 46 | 14 | 30.4% | 13 | 28.3% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 13 |
| 31-35 | 175 | 177 | 55 | 31.1% | 47 | 26.6% | 2 | 1.1% | 1 | 0.6% | 1 | 0.6% | 0 | 0.0% | 48 |
| 36-40 | 226 | 239 | 42 | 17.6% | 35 | 14.6% | 2 | 0.8% | 2 | 0.8% | 2 | 0.8% | 0 | 0.0% | 37 |
| 41-45 | 105 | 116 | 10 | 8.6% | 7 | 6.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 7 |
| 46-50 | 17 | 21 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 573 | 603 | 124 | 20.6% | 104 | 17.2% | 4 | 0.7% | 3 | 0.5% | 3 | 0.5% | 0 | 0.0% | 107 |

Analysis on Effect of Two Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 1 | 1 | 1 | 100.0% | 1 | 100.0% | 0 | 0.00% | N/A | N/A | N/A | N/A | N/A | N/A | 1 |
| 21-25 | 11 | 11 | 6 | 54.5% | 4 | 36.4% | 0 | 0.00% | N/A | N/A | N/A | N/A | N/A | N/A | 4 |
| 26-30 | 155 | 160 | 79 | 49.4% | 70 | 43.8% | 27 | 16.88% | 25 | 15.6% | 24 | 15.0% | 1 | 0.6% | 96 |
| 31-35 | 703 | 728 | 296 | 40.7% | 273 | 37.5% | 83 | 11.40% | 68 | 9.3% | 66 | 9.1% | 2 | 0.3% | 343 |
| 36-40 | 916 | 965 | 286 | 29.6% | 234 | 24.2% | 59 | 6.11% | 40 | 4.1% | 39 | 4.0% | 1 | 0.1% | 275 |
| 41-45 | 297 | 335 | 34 | 10.1% | 18 | 5.4% | 3 | 0.90% | 2 | 0.6% | 2 | 0.6% | 0 | 0.0% | 20 |
| 46-50 | 15 | 17 | 1 | 5.9% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 2098 | 2217 | 703 | 31.7% | 600 | 27.1% | 172 | 7.76% | 135 | 6.1% | 131 | 5.9% | 4 | 0.2% | 739 |

Analysis on Effect of Three Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 1 | 1 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 17 | 19 | 11 | 57.9% | 8 | 42.1% | 0 | 0.00% | N/A | N/A | N/A | N/A | N/A | N/A | 8 |
| 31-35 | 134 | 153 | 55 | 35.9% | 46 | 30.1% | 15 | 9.80% | 12 | 7.8% | 12 | 7.8% | 0 | 0.0% | 58 |
| 36-40 | 456 | 503 | 150 | 29.8% | 120 | 23.9% | 36 | 7.16% | 27 | 5.4% | 27 | 5.4% | 0 | 0.0% | 147 |
| 41-45 | 254 | 285 | 39 | 13.7% | 21 | 7.4% | 3 | 1.05% | 2 | 0.7% | 2 | 0.7% | 0 | 0.0% | 23 |
| 46-50 | 14 | 16 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 876 | 977 | 255 | 26.1% | 195 | 20.0% | 54 | 5.53% | 41 | 4.2% | 41 | 4.2% | 0 | 0.0% | 236 |

Analysis on Effect of Four or More Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 31-35 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 36-40 | 43 | 53 | 12 | 22.6% | 9 | 17.0% | 1 | 1.89% | 1 | 1.9% | 1 | 1.9% | 0 | 0.0% | 10 |
| 41-45 | 56 | 82 | 11 | 13.4% | 7 | 8.5% | 0 | 0.00% | N/A | N/A | N/A | N/A | N/A | N/A | 7 |
| 46-50 | 6 | 9 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 105 | 144 | 23 | 16.0% | 16 | 11.1% | 1 | 0.69% | 1 | 0.7% | 1 | 0.7% | 0 | 0.0% | 17 |

Remarks:

- (1) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (2) The age of wife has been used in calculating the age of patient.

Table 12

Analysis on Effect of One Embryo Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 4 | 4 | 2 | 50.0% | 1 | 25.0% | 1 | 25.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | 1 |
| 26-30 | 36 | 36 | 9 | 25.0% | 8 | 22.2% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 8 |
| 31-35 | 131 | 138 | 35 | 25.4% | 27 | 19.6% | 1 | 0.7% | 1 | 0.7% | 1 | 0.7% | 0 | 0.0% | 28 |
| 36-40 | 158 | 170 | 31 | 18.2% | 25 | 14.7% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 25 |
| 41-45 | 51 | 54 | 5 | 9.3% | 4 | 7.4% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 4 |
| 46-50 | 2 | 2 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 382 | 404 | 82 | 20.3% | 65 | 16.1% | 2 | 0.5% | 1 | 0.2% | 1 | 0.2% | 0 | 0.0% | 66 |

Analysis on Effect of Two Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 14 | 21 | 8 | 38.1% | 7 | 33.3% | 2 | 9.5% | 2 | 9.5% | 2 | 9.5% | 0 | 0.0% | 9 |
| 26-30 | 136 | 170 | 66 | 38.8% | 55 | 32.4% | 18 | 10.6% | 14 | 8.2% | 14 | 8.2% | 0 | 0.0% | 69 |
| 31-35 | 479 | 591 | 211 | 35.7% | 175 | 29.6% | 42 | 7.1% | 34 | 5.8% | 34 | 5.8% | 0 | 0.0% | 209 |
| 36-40 | 618 | 726 | 192 | 26.4% | 150 | 20.7% | 36 | 5.0% | 24 | 3.3% | 24 | 3.3% | 0 | 0.0% | 174 |
| 41-45 | 167 | 197 | 27 | 13.7% | 22 | 13.7% | 1 | 0.5% | 0 | 0.0% | N/A | N/A | N/A | N/A | 22 |
| 46-50 | 10 | 11 | 4 | 36.4% | 2 | 18.2% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 2 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 1424 | 1716 | 508 | 29.6% | 411 | 24.0% | 99 | 5.8% | 74 | 4.3% | 74 | 4.3% | 0 | 0.0% | 485 |

Analysis on Effect of Three Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 2 | 2 | 1 | 50.0% | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 36 | 49 | 18 | 36.7% | 16 | 32.7% | 6 | 12.2% | 6 | 12.2% | 6 | 12.2% | 0 | 0.0% | 22 |
| 31-35 | 164 | 189 | 65 | 34.4% | 56 | 29.6% | 18 | 9.5% | 16 | 8.5% | 16 | 8.5% | 0 | 0.0% | 72 |
| 36-40 | 342 | 409 | 101 | 24.7% | 81 | 19.8% | 24 | 5.9% | 18 | 4.4% | 17 | 4.2% | 1 | 0.2% | 100 |
| 41-45 | 166 | 194 | 21 | 10.8% | 14 | 7.2% | 4 | 2.1% | 3 | 1.5% | 3 | 1.5% | 0 | 0.0% | 17 |
| 46-50 | 11 | 11 | 1 | 9.1% | 1 | 9.1% | 1 | 9.1% | 1 | 9.1% | 1 | 9.1% | 0 | 0.0% | 2 |
| 51-55 | 1 | 1 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 722 | 855 | 207 | 24.2% | 168 | 19.6% | 53 | 6.2% | 44 | 5.1% | 43 | 5.0% | 1 | 0.1% | 213 |

Analysis on Effect of Four or More Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Age | No. of Patients | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | Ongoing Multiple Pregnancy | Ongoing Multiple Pregnancy Rate | Multiple Births | Multiple Live Birth Rate | Twin Live Births | Twin Live Birth Rate | Triple and Above Live Births | Triple and Above Live Birth Rate | No. of Babies |
|---------------|-----------------|------------------|-------------------|------------------------|-------------|-----------------|----------------------------|---------------------------------|-----------------|--------------------------|------------------|----------------------|------------------------------|----------------------------------|---------------|
| 18-20 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 21-25 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 26-30 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 31-35 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 36-40 | 29 | 38 | 10 | 26.3% | 5 | 13.2% | 3 | 7.9% | 3 | 7.9% | 3 | 7.9% | 0 | 0.0% | 8 |
| 41-45 | 42 | 53 | 13 | 24.5% | 11 | 20.8% | 3 | 5.7% | 1 | 1.9% | 1 | 1.9% | 0 | 0.0% | 12 |
| 46-50 | 3 | 4 | 0 | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 51-55 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| 56 and above | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0 |
| Total: | 74 | 95 | 23 | 24.2% | 16 | 16.8% | 6 | 6.3% | 4 | 4.2% | 4 | 4.2% | 0 | 0.0% | 20 |

Remarks:

- (1) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (2) The age of wife has been used in calculating the age of patient.

Table 13**Live Birth Rate and Multiple Pregnancy Rate for Different Number of Embryo Transferred in 2011**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| No. of Embryos Transferred | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Multiple Pregnancy | Multiple Pregnancy Rate | Live Births | Live Birth Rate |
|-----------------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|--------------------------------|--------------------|------------------------|
| 1 | 1007 | 206 | 20.5% | 6 | 0.6% | 169 | 16.8% |
| 2 | 3923 | 1211 | 30.9% | 271 | 6.9% | 1011 | 25.8% |
| 3 | 1819 | 460 | 25.3% | 111 | 6.1% | 361 | 19.8% |
| 4 or above | 214 | 42 | 19.6% | 7 | 3.3% | 29 | 13.6% |

Table 14**Analysis on the Usage of Fresh / Frozen Oocytes and Live Birth Rate by Age Group in 2011***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)*

| Age | IVF using fresh oocytes | | | | | Age | IVF using frozen oocytes | | | | |
|---------------|-------------------------|-------------------|------------------------|-------------|-----------------|---------------|--------------------------|-------------------|------------------------|-------------|-----------------|
| | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate | | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
| 18-20 | 2 | 1 | 50.0% | 1 | 50.0% | 18-20 | 0 | N/A | N/A | N/A | N/A |
| 21-25 | 24 | 8 | 33.3% | 6 | 25.0% | 21-25 | 0 | N/A | N/A | N/A | N/A |
| 26-30 | 295 | 104 | 35.3% | 91 | 30.8% | 26-30 | 0 | N/A | N/A | N/A | N/A |
| 31-35 | 1247 | 411 | 33.0% | 364 | 29.2% | 31-35 | 9 | 2 | 22.2% | 2 | 22.2% |
| 36-40 | 1981 | 480 | 24.2% | 394 | 19.9% | 36-40 | 5 | 0 | 0.0% | N/A | N/A |
| 41-45 | 945 | 86 | 9.1% | 48 | 5.1% | 41-45 | 4 | 1 | 25.0% | 0 | 0.0% |
| 46-50 | 69 | 1 | 1.4% | 0 | 0.0% | 46-50 | 0 | N/A | N/A | N/A | N/A |
| 51-55 | 0 | N/A | N/A | N/A | N/A | 51-55 | 0 | N/A | N/A | N/A | N/A |
| 56 and above | 0 | N/A | N/A | N/A | N/A | 56 and above | 0 | N/A | N/A | N/A | N/A |
| Total: | 4563 | 1091 | 23.9% | 904 | 19.8% | Total: | 18 | 3 | 16.7% | 2 | 11.1% |

Remarks:*(1) Cases reported include all cycles of IVF and IVF+ICSI.**(2) The age of wife has been used in calculating the age of patient.*

Table 15

Results and Outcome for Different Types of RT Procedures in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| | RT procedures | | | | | | | | | | | | | | | | | |
|--|---------------|-------|-------|------|-----|-----|------------|-----|-----|---------------|-------|-------|-----------------|-----|-----|----------------|-----|-----|
| | IVF | | | GIFT | | | ZIFT/PROST | | | ICSI with IVF | | | ICSI with PROST | | | ICSI with MIFT | | |
| | OWN | DON | ALL | OWN | DON | ALL | OWN | DON | ALL | OWN | DON | ALL | OWN | DON | ALL | OWN | DON | ALL |
| No. of patients | 710 | 2 | 712 | 0 | 0 | 0 | 0 | 0 | 0 | 3292 | 21 | 3313 | 0 | 0 | 0 | 0 | 0 | 0 |
| No. of cycles started | 769 | 2 | 771 | N/A | N/A | N/A | N/A | N/A | N/A | 4130 | 23 | 4153 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of embryo transfer (ET) | 622 | 2 | 624 | N/A | N/A | N/A | N/A | N/A | N/A | 3319 | 21 | 3340 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of embryo transferred / cycle | 1.81 | 1.50 | 1.81 | N/A | N/A | N/A | N/A | N/A | N/A | 2.26 | 1.38 | 2.25 | N/A | N/A | N/A | N/A | N/A | N/A |
| - Fresh embryos | 1.81 | 1.50 | 1.81 | N/A | N/A | N/A | N/A | N/A | N/A | 2.20 | 1.24 | 2.19 | N/A | N/A | N/A | N/A | N/A | N/A |
| - Frozen embryos | 0.00 | 0.00 | 0.00 | N/A | N/A | N/A | N/A | N/A | N/A | 0.06 | 0.14 | 0.06 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of gamete transfer | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of oocyte transferred / cycle | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| - Fresh oocytes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| - Frozen oocytes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of clinical pregnancies | 254 | 1 | 255 | N/A | N/A | N/A | N/A | N/A | N/A | 1082 | 10 | 1092 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of no pregnancy@ | 515 | 1 | 516 | N/A | N/A | N/A | N/A | N/A | N/A | 3044 | 13 | 3057 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of miscarriage (spont. abortion) | 39 | 0 | 39 | N/A | N/A | N/A | N/A | N/A | N/A | 177 | 0 | 177 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of hydatidiform mole | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of ectopic pregnancy | 5 | 0 | 5 | N/A | N/A | N/A | N/A | N/A | N/A | 13 | 0 | 13 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of heterotopic pregnancy | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | 1 | 0 | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of termination of pregnancy (TOP) | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | 6 | 0 | 6 | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of ongoing pregnancy | 210 | 1 | 211 | N/A | N/A | N/A | N/A | N/A | N/A | 885 | 10 | 895 | N/A | N/A | N/A | N/A | N/A | N/A |
| Ongoing pregnancy rate* | 27.3% | 50.0% | 27.4% | N/A | N/A | N/A | N/A | N/A | N/A | 21.4% | 43.5% | 21.6% | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of live births | 178 | 1 | 179 | N/A | N/A | N/A | N/A | N/A | N/A | 727 | 10 | 737 | N/A | N/A | N/A | N/A | N/A | N/A |
| Live birth rate | 23.1% | 50.0% | 23.2% | N/A | N/A | N/A | N/A | N/A | N/A | 17.6% | 43.5% | 17.7% | N/A | N/A | N/A | N/A | N/A | N/A |
| No. lost to follow up | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | 4 | 0 | 4 | N/A | N/A | N/A | N/A | N/A | N/A |
| Clinical pregnancy rate/ cycle started | 33.0% | 50.0% | 33.1% | N/A | N/A | N/A | N/A | N/A | N/A | 26.2% | 43.5% | 26.3% | N/A | N/A | N/A | N/A | N/A | N/A |
| Clinical pregnancy rate/ transfer | 40.8% | 50.0% | 40.9% | N/A | N/A | N/A | N/A | N/A | N/A | 32.6% | 47.6% | 32.7% | N/A | N/A | N/A | N/A | N/A | N/A |
| Ongoing pregnancy rate/ cycle started | 27.3% | 50.0% | 27.4% | N/A | N/A | N/A | N/A | N/A | N/A | 21.4% | 43.5% | 21.6% | N/A | N/A | N/A | N/A | N/A | N/A |
| Ongoing pregnancy rate/ transfer | 33.8% | 50.0% | 33.8% | N/A | N/A | N/A | N/A | N/A | N/A | 26.7% | 47.6% | 26.8% | N/A | N/A | N/A | N/A | N/A | N/A |
| Multiple pregnancy rate | 6.6% | 0.0% | 6.6% | N/A | N/A | N/A | N/A | N/A | N/A | 4.4% | 13.0% | 4.5% | N/A | N/A | N/A | N/A | N/A | N/A |
| -Twins | 6.4% | N/A | 6.4% | N/A | N/A | N/A | N/A | N/A | N/A | 4.1% | 13.0% | 4.1% | N/A | N/A | N/A | N/A | N/A | N/A |
| -Triplets | 0.3% | N/A | 0.3% | N/A | N/A | N/A | N/A | N/A | N/A | 0.3% | 0.0% | 0.3% | N/A | N/A | N/A | N/A | N/A | N/A |
| - 4 or more fetuses | 0.0% | N/A | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A | 0.0% | 0.0% | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A |

Table 15 (continued)

Results and Outcome for Different Types of RT Procedures in 2011

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| | RT procedures | | | | | | | | | | |
|--|---------------|-----|------------------|-------|-------|------------------------------|-------|-------|--------|-----|-----|
| | Surrogacy | | Frozen-thawed ET | | | IVF/ICSI with frozen oocytes | | | Others | | |
| | OWN | ALL | OWN | DON | ALL | OWN | DON | ALL | OWN | DON | ALL |
| No. of patients | 0 | 0 | 2344 | 57 | 2401 | 11 | 6 | 17 | 45 | 0 | 45 |
| No. of cycles started | N/A | N/A | 3036 | 79 | 3115 | 13 | 6 | 19 | 52 | N/A | 52 |
| No. of embryo transfer (ET) | N/A | N/A | 2995 | 79 | 3074 | 12 | 6 | 18 | 0 | N/A | 0 |
| No. of embryo transferred / cycle | N/A | N/A | 2.22 | 1.96 | 2.21 | 2.92 | N/A | 2.44 | N/A | N/A | N/A |
| - Fresh embryos | N/A | N/A | 0.05 | 0.02 | 0.04 | 0.00 | N/A | 0.00 | N/A | N/A | N/A |
| - Frozen embryos | N/A | N/A | 2.17 | 1.94 | 2.17 | 2.92 | N/A | 2.44 | N/A | N/A | N/A |
| No. of gamete transfer | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of oocyte transferred / cycle | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| - Fresh oocytes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| - Frozen oocytes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| No. of clinical pregnancies | N/A | N/A | 997 | 27 | 1024 | 2 | 1 | 3 | N/A | N/A | N/A |
| No. of no pregnancy @ | N/A | N/A | 2030 | 52 | 2082 | 10 | 5 | 15 | N/A | N/A | N/A |
| No. of miscarriage (spont. abortion) | N/A | N/A | 181 | 2 | 183 | 0 | 0 | 0 | N/A | N/A | N/A |
| No. of hydatidiform mole | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A | N/A |
| No. of ectopic pregnancy | N/A | N/A | 11 | 0 | 11 | 0 | 0 | 0 | N/A | N/A | N/A |
| No. of heterotopic pregnancy | N/A | N/A | 2 | 0 | 2 | 0 | 0 | 0 | N/A | N/A | N/A |
| No. of termination of pregnancy (TOP) | N/A | N/A | 2 | 0 | 2 | 0 | 0 | 0 | N/A | N/A | N/A |
| No. of ongoing pregnancy | N/A | N/A | 801 | 25 | 826 | 2 | 1 | 3 | N/A | N/A | N/A |
| Ongoing pregnancy rate * | N/A | N/A | 26.4% | 31.6% | 26.5% | 15.4% | 16.7% | 15.8% | N/A | N/A | N/A |
| No. of live births | N/A | N/A | 643 | 22 | 665 | 1 | 1 | 2 | N/A | N/A | N/A |
| Live birth rate | N/A | N/A | 21.2% | 27.8% | 21.3% | 7.7% | 16.7% | 10.5% | N/A | N/A | N/A |
| No. lost to follow up | N/A | N/A | 9 | 0 | 9 | 0 | 0 | 0 | N/A | N/A | N/A |
| Clinical pregnancy rate/ cycle started | N/A | N/A | 32.8% | 34.2% | 32.9% | 15.4% | N/A | 15.8% | N/A | N/A | N/A |
| Clinical pregnancy rate/ transfer | N/A | N/A | 33.3% | 34.2% | 33.3% | 16.7% | N/A | 16.7% | N/A | N/A | N/A |
| Ongoing pregnancy rate/ cycle started | N/A | N/A | 26.4% | 31.6% | 26.5% | 15.4% | N/A | 15.8% | N/A | N/A | N/A |
| Ongoing pregnancy rate/ transfer | N/A | N/A | 26.7% | 31.6% | 26.9% | 16.7% | N/A | 16.7% | N/A | N/A | N/A |
| Multiple pregnancy rate | N/A | N/A | 5.1% | 6.3% | 5.1% | 0.0% | 0.0% | 0.0% | N/A | N/A | N/A |
| -Twins | N/A | N/A | 4.9% | 6.3% | 4.9% | N/A | N/A | N/A | N/A | N/A | N/A |
| -Triplets | N/A | N/A | 0.2% | 0.0% | 0.2% | N/A | N/A | N/A | N/A | N/A | N/A |
| - 4 or more fetuses | N/A | N/A | 0.0% | 0.0% | 0.0% | N/A | N/A | N/A | N/A | N/A | N/A |

@ "No. of no pregnancy" are counted as those cycles which started and reported by the centre with an outcome of "no pregnancy", including those abandoned and those ending with elective cryopreservation of embryos.

* "On-going pregnancy rate" = No. of on-going pregnancy / No. of cycles started x 100%

Remarks:

(1) OWN means using own gametes/embryos, DON means using donated gametes/embryos.

(2) RT Procedures include: IVF, GIFT, ZIFT, PROST, ICSI, MIFT, ET. The above figures do not include AIH procedures.

(3) "Others" include 3 cycles of oocyte freezing and 49 failed cycles at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE.

Table 16**Results and Outcome for IUI with or without Ovarian Stimulation in 2011**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| | AIH-IUI |
|--|----------------|
| No. of patients | 3956 |
| No. of cycles started | 5791 |
| No. of cycles which proceeded to IUI | 5771 |
| No. of clinical pregnancies | 726 |
| No. of no pregnancy | 4994 |
| No. of miscarriage (spont. abortion) | 104 |
| No. of hydatidiform mole | 1 |
| No. of ectopic pregnancy | 7 |
| No. of heterotopic pregnancy | 8 |
| No. of termination of pregnancy (TOP) | 0 |
| No. of ongoing pregnancy | 606 |
| Ongoing pregnancy rate | 10.5% |
| No. of live births | 452 |
| Live birth rate | 7.8% |
| No. lost to follow up | 51 |
| Clinical pregnancy rate/ cycle started | 12.5% |
| Clinical pregnancy rate/ cycle of IUI | 12.6% |
| Ongoing pregnancy rate/ cycle started | 10.5% |
| Ongoing pregnancy rate/ cycle of IUI | 10.5% |
| Multiple pregnancy rate | 1.1% |
| -Twins | 1.0% |
| -Triplets | 0.1% |
| - 4 or more fetuses | 0.0% |

Table 17**Infertility Diagnosis by Age of Patients Receiving RT Procedures (other than DI and AIH) in 2011***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)*

| Diagnosis | Age Group (by no. of patients) | | | | | | | | | |
|-----------------------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------------|
| | 18-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56 and above | All |
| Male factor | 2 | 15 | 118 | 532 | 679 | 152 | 6 | 0 | 0 | 1504 |
| Tubal problem | 0 | 3 | 74 | 162 | 233 | 66 | 4 | 0 | 0 | 542 |
| Endometriosis | 0 | 1 | 16 | 68 | 104 | 17 | 0 | 0 | 0 | 206 |
| Immunologic problem | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| Tubo-peritoneal problem | 0 | 1 | 17 | 79 | 87 | 14 | 0 | 0 | 0 | 198 |
| Ovulatory problem | 0 | 0 | 19 | 49 | 78 | 25 | 4 | 1 | 0 | 176 |
| Unexplained | 0 | 9 | 38 | 208 | 325 | 107 | 9 | 0 | 0 | 696 |
| Other Causes | 0 | 1 | 20 | 51 | 148 | 226 | 26 | 0 | 0 | 472 |
| Multiple factors-female plus male | 0 | 2 | 57 | 359 | 576 | 293 | 28 | 0 | 0 | 1315 |
| Multiple factors-female only | 0 | 4 | 55 | 127 | 291 | 112 | 9 | 0 | 0 | 598 |

*Remark:**The age of wife has been used in calculating the age of patient.*

Table 18**Infertility Diagnosis by Age of Patients Receiving AIH Procedures in 2011**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Diagnosis | Age Group (by no. of patients) | | | | | | | | | |
|-----------------------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------------|
| | 18-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56 and above | All |
| Male factor | 0 | 6 | 101 | 543 | 454 | 84 | 9 | 0 | 0 | 1197 |
| Endometriosis | 0 | 0 | 15 | 65 | 67 | 7 | 1 | 0 | 0 | 155 |
| Ovulatory problem | 0 | 4 | 48 | 149 | 148 | 16 | 0 | 0 | 0 | 365 |
| Unexplained | 0 | 8 | 116 | 462 | 437 | 87 | 15 | 2 | 0 | 1127 |
| Others | 0 | 2 | 21 | 130 | 189 | 106 | 9 | 0 | 0 | 457 |
| Multiple factors-female plus male | 0 | 3 | 41 | 205 | 196 | 70 | 2 | 0 | 0 | 517 |
| Multiple factors-female only | 0 | 0 | 15 | 59 | 49 | 14 | 1 | 0 | 0 | 138 |

Remark:

The age of wife has been used in calculating the age of patient.

Table 19**Reasons for Treatment by Age of Patients - DI in 2011**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)

| Reasons | Age Group (by no. of patients) | | | | | | | | | |
|---|--------------------------------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|
| | 18-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56 and above | All |
| Obstructive azoospermia | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| Nonobstructive azoospermia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| Severe deficits in semen quality in couples who do not wish to undergo intracytoplasmic sperm injection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Genetic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Infectious disease in the male partner (such as HIV) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe rhesus isoimmunisation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark:

The age of husband has been used in calculating the age of patient.

Table 20**Live Birth Rates among Women who had RT Cycles by Diagnosis in 2011***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2011)*

| Diagnosis | Treatment Cycles | Ongoing Pregnancy | Ongoing Pregnancy Rate | Live Births | Live Birth Rate |
|-----------------------------------|-------------------------|--------------------------|-------------------------------|--------------------|------------------------|
| Male factor | 3814 | 758 | 19.9% | 630 | 16.5% |
| Tubal problem | 709 | 189 | 26.7% | 146 | 20.6% |
| Endometriosis | 493 | 85 | 17.2% | 68 | 13.8% |
| Immunologic problem | 3 | 1 | 33.3% | 1 | 33.3% |
| Tubo-peritoneal problem | 279 | 72 | 25.8% | 71 | 25.4% |
| Ovulatory problem | 788 | 143 | 18.1% | 110 | 14.0% |
| Unexplained | 2648 | 400 | 15.1% | 323 | 12.2% |
| Other Causes | 1459 | 187 | 12.8% | 144 | 9.9% |
| Multiple factors-female plus male | 2600 | 497 | 19.1% | 378 | 14.5% |
| Multiple factors-female only | 991 | 198 | 20.0% | 154 | 15.5% |
| Total: | 13784 | 2530 | 18.4% | 2025 | 14.7% |

*Remark:**Cycles of DI are not included in this table as the above types of diagnosis are not applicable to DI patients.*

Table 21

Number of Gametes / Embryos Stored / Used for Research (as at end December 2011)

| Materials | Cumulative no. stored for research |
|------------------|---|
| Embryos | 973 |
| Eggs (oocytes) | 7 |
| Semen Samples | 26 |

| Materials | Cumulative no. used for research |
|------------------|---|
| Embryos | 23 |

Table 22**Past and Current Research Projects ending December 2011**

| Year | Name of Licensed Centre | Name of Project | Project Duration (no. of months) | Project Report Submitted | |
|---------------|--|---|-------------------------------------|--------------------------|-------------------|
| | | | | Yes | No |
| 2008 | - | - | - | - | - |
| 2009 | (i) PGD Centre, The University of Hong Kong – Queen Mary Hospital, Department of Medicine | (i) PGD of Spinal Muscular Atrophy | (i) 36 months | ✓ (see Remark) | |
| | (ii) Department of Obstetrics & Gynaecology, The University of Hong Kong | (ii) Effect of extracellular matrix on culture of human embryonic stem cells | (ii) 36 months | ✓ (see Remark) | |
| 2010 | - | - | - | - | - |
| 2011 | (iii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong | (iii) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application | (iii) 36 months | | ✓ (see Remark) |
| Total: | 3 | 3 | | 2 | 1 |

Remark:

Report of the outcome of the research project is to be submitted to the Council within 3 months after completion of the project.

as at 17/03/2014