

**Table 1**

**Number of Gametes and Embryos Stored by RT Centres in 2016**

<b>Storage</b>	<b>as at 31 December 2016</b>
Embryos	23690
Eggs (oocytes)	1189
Semen Samples	4426

**Table 2**

**Number and Ages of Gamete Donors in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

<b>Age Group</b>	<b>Female Donors</b>	<b>%</b>	<b>Male Donors</b>	<b>%</b>	<b>Total</b>
18-20	2	5.3%	2	5.9%	4
21-25	8	21.1%	10	29.4%	18
26-30	15	39.5%	9	26.5%	24
31-35	10	26.3%	5	14.7%	15
36-40	3	7.9%	3	8.8%	6
41-45	0	0.0%	2	5.9%	2
46-50	0	0.0%	2	5.9%	2
51-55	0	0.0%	1	2.9%	1
56 or above	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>38</b>	<b>100.0%</b>	<b>34</b>	<b>100.0%</b>	<b>72</b>

*Remark:*

*The number of donors refers to the number of donors whose donated gametes were used in 2016.*

**Table 3**

**Number and Ages of Embryo Donors in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

<b>Age Group</b>	<b>Female Donors</b>	<b>%</b>	<b>Male Donors</b>	<b>%</b>	<b>Total</b>
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	1	100.0%	0	0.0%	1
36-40	0	0.0%	0	0.0%	0
41-45	0	0.0%	0	0.0%	0
46-50	0	0.0%	1	100.0%	1
51-55	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>1</b>	<b>100.0%</b>	<b>1</b>	<b>100.0%</b>	<b>2</b>

*Remarks:*

- (1) Both female and male donors will be counted for embryo donation.*
- (2) The number of donors refers to the number of donors whose donated gametes were used in 2016.*

**Table 4**

**Number of Gametes and Embryos Donation Made in 2016**

<b>Donated Material</b>	<b>Number of Donors</b>	<b>Number of Donations Made</b>
Semen	24	40
Eggs (oocytes)	17	17
Embryos	0	0

*Remark:*

*The number of donors refers to the number of donors who made donation in 2016.*

**Table 5****Live Birth Outcome Using DI in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

Number of DI Patients	12
Number of DI Treatment Cycles	17
Clinical Pregnancies	3
Clinical Pregnancy Rate	17.6%
Ongoing Pregnancy	3
Ongoing Pregnancy Rate	17.6%
Total DI Live Birth	3
DI Live Birth Rate	17.6%
DI Singleton Birth	17.6%
DI Twin Birth	0
DI Triple and Higher Order Birth	0
Multiple DI Live Birth Rate	0.0%
Total Number of Babies Born	3

**Table 6****Live Birth Outcome Using Donated Gametes and Embryos in 2016 (RT procedures other than DI)**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

	<b>Donated Sperm</b>	<b>Donated Eggs (oocytes)</b>	<b>Donated Embryos</b>	<b>Total</b>
Number of Patients	27	38	1	66
Number of Treatment Cycles	41	51	1	93
Embryo Transfers	33	47	1	81
Clinical Pregnancies	19	25	1	45
Clinical Pregnancy Rate	46.3%	49.0%	100.0%	48.4%
Ongoing Pregnancy	17	19	1	37
Ongoing Pregnancy Rate	41.5%	37.3%	100.0%	39.8%
Total Live Births	14	19	1	34
Live Birth Rate	34.1%	37.3%	100.0%	36.6%
Singleton Birth	13	13	1	27
Twin Birth	1	6	0	7
Triple and Higher Order Birth	0	0	0	0
Multiple Live Birth Rate	2.4%	11.8%	0.0%	7.5%
Total Number of Babies Born	15	25	1	41

*Remark:*

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

**Table 7**

**Types of RT Procedures in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

<b>Types of RT Procedures</b>	<b>No. of Patients</b>	<b>No. of Treatment Cycles</b>
IVF-ET	990	1128
IVF+ICSI	3393	4008
GIFT	0	0
ZIFT/PROST	0	0
Frozen-thawed ET	3690	4863
AIH	3092	4597
Others	117	140
<b>Total:</b>	<b>11282</b>	<b>14736</b>

*Remarks:*

*(1) "Others" include 59 cycles of oocyte freezing (involving 45 patients), 64 failed cycles (involving 60 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE and 17 cycles (involving 12 patients) of donor insemination.*

*(2) Among 14,736 treatment cycles, 1,422 cycles involved other types of micromanipulation such as assisted hatching, IVM, PGD, PGS, MESA, TESA or TESE.*

**Table 8**

**Analysis of Live Birth Rates among Women by Different Age Group in IVF Cycles in 2016 (with or without ICSI)**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	0	N/A	N/A	N/A	N/A	18-20	0	N/A	N/A	N/A	N/A
21-25	36	5	13.9%	1	2.8%	21-25	7	0	0.0%	0	0.0%
26-30	295	39	13.2%	37	12.5%	26-30	77	15	19.5%	14	18.2%
31-35	1196	224	18.7%	194	16.2%	31-35	334	87	26.0%	76	22.8%
36-40	1542	213	13.8%	171	11.1%	36-40	522	93	17.8%	67	12.8%
41-45	854	49	5.7%	32	3.7%	41-45	167	9	5.4%	6	3.6%
46-50	83	1	1.2%	1	1.2%	46-50	20	0	0.0%	0	0.0%
51-55	2	0	0.0%	0	0.0%	51-55	1	0	0.0%	0	0.0%
56 and above	0	N/A	N/A	N/A	N/A	56 and above	0	N/A	N/A	N/A	N/A
<b>Total:</b>	<b>4008</b>	<b>531</b>	<b>13.2%</b>	<b>436</b>	<b>10.9%</b>	<b>Total:</b>	<b>1128</b>	<b>204</b>	<b>18.1%</b>	<b>163</b>	<b>14.5%</b>

Age	IVF- all cycles				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	N/A	N/A	N/A	N/A
21-25	43	5	11.6%	1	2.3%
26-30	372	54	14.5%	51	13.7%
31-35	1530	311	20.3%	270	17.6%
36-40	2064	306	14.8%	238	11.5%
41-45	1021	58	5.7%	38	3.7%
46-50	103	1	1.0%	1	1.0%
51-55	3	0	0.0%	0	0.0%
56 and above	0	N/A	N/A	N/A	N/A
<b>Total:</b>	<b>5136</b>	<b>735</b>	<b>14.3%</b>	<b>599</b>	<b>11.7%</b>

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 2016***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	7	0	0.0%	0	0.0%	21-25	0	N/A	N/A	N/A	N/A
26-30	77	15	19.5%	14	18.2%	26-30	0	N/A	N/A	N/A	N/A
31-35	334	87	26.0%	76	22.8%	31-35	0	N/A	N/A	N/A	N/A
36-40	522	93	17.8%	67	12.8%	36-40	0	N/A	N/A	N/A	N/A
41-45	167	9	5.4%	6	3.6%	41-45	0	N/A	N/A	N/A	N/A
46-50	20	0	0.0%	0	0.0%	46-50	0	N/A	N/A	N/A	N/A
51-55	1	0	0.0%	0	0.0%	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
<b>Total:</b>	<b>1128</b>	<b>204</b>	<b>18.1%</b>	<b>163</b>	<b>14.5%</b>	<b>Total:</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

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	24	3	12.5%	3	12.5%
26-30	0	N/A	N/A	N/A	N/A	26-30	400	47	11.8%	37	9.3%
31-35	0	N/A	N/A	N/A	N/A	31-35	2065	251	12.2%	182	8.8%
36-40	0	N/A	N/A	N/A	N/A	36-40	1669	202	12.1%	127	7.6%
41-45	0	N/A	N/A	N/A	N/A	41-45	407	27	6.6%	13	3.2%
46-50	0	N/A	N/A	N/A	N/A	46-50	32	0	0.0%	0	0.0%
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
<b>Total:</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>Total:</b>	<b>4597</b>	<b>530</b>	<b>11.5%</b>	<b>362</b>	<b>7.9%</b>

*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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

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	N/A
21-25	19	23	8	34.8%	6	26.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
26-30	173	203	85	41.9%	76	37.4%	4	2.0%	4	2.0%	4	2.0%	0	0.0%	80
31-35	906	1109	474	42.7%	405	36.5%	7	0.6%	5	0.5%	5	0.5%	0	0.0%	410
36-40	969	1173	365	31.1%	287	24.5%	8	0.7%	5	0.4%	5	0.4%	0	0.0%	292
41-45	340	414	53	12.8%	30	7.2%	1	0.2%	1	0.2%	1	0.2%	0	0.0%	31
46-50	25	28	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	3	4	1	25.0%	1	25.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
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	N/A
<b>Total:</b>	<b>2435</b>	<b>2954</b>	<b>986</b>	<b>33.4%</b>	<b>805</b>	<b>27.3%</b>	<b>20</b>	<b>0.7%</b>	<b>15</b>	<b>0.5%</b>	<b>15</b>	<b>0.5%</b>	<b>0</b>	<b>0.0%</b>	<b>820</b>

**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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

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	N/A
21-25	19	25	19	76.0%	13	52.0%	3	12.0%	2	8.0%	2	8.0%	0	0.0%	15
26-30	233	266	148	55.6%	137	51.5%	60	22.6%	53	19.9%	53	19.9%	0	0.0%	190
31-35	921	1110	517	46.6%	462	41.6%	170	15.3%	151	13.6%	150	13.5%	1	0.1%	614
36-40	1287	1571	527	33.5%	431	27.4%	121	7.7%	93	5.9%	93	5.9%	0	0.0%	524
41-45	533	694	106	15.3%	80	11.5%	16	2.3%	8	1.2%	8	1.2%	0	0.0%	88
46-50	31	37	3	8.1%	3	8.1%	2	5.4%	2	5.4%	2	5.4%	0	0.0%	5
51-55	1	2	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
<b>Total:</b>	<b>3025</b>	<b>3705</b>	<b>1320</b>	<b>35.6%</b>	<b>1126</b>	<b>30.4%</b>	<b>372</b>	<b>10.0%</b>	<b>309</b>	<b>8.3%</b>	<b>308</b>	<b>8.3%</b>	<b>1</b>	<b>0.0%</b>	<b>1436</b>

**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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

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	N/A
21-25	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
26-30	14	14	3	21.4%	2	14.3%	1	7.1%	1	7.1%	1	7.1%	0	0.0%	3
31-35	30	31	12	38.7%	11	35.5%	4	12.9%	4	12.9%	4	12.9%	0	0.0%	15
36-40	132	144	39	27.1%	32	22.2%	9	6.3%	7	4.9%	7	4.9%	0	0.0%	39
41-45	134	155	27	17.4%	18	11.6%	4	2.6%	1	0.6%	1	0.6%	0	0.0%	19
46-50	9	9	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
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	N/A
<b>Total:</b>	<b>320</b>	<b>354</b>	<b>81</b>	<b>22.9%</b>	<b>63</b>	<b>17.8%</b>	<b>18</b>	<b>5.1%</b>	<b>13</b>	<b>3.7%</b>	<b>13</b>	<b>3.7%</b>	<b>0</b>	<b>0.0%</b>	<b>76</b>

**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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

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	N/A
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	N/A
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	N/A
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	N/A
36-40	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	N/A
41-45	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	N/A
46-50	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	N/A
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	N/A
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	N/A
<b>Total:</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

**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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
21-25	4	4	1	25.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
26-30	69	69	24	34.8%	22	31.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	22
31-35	317	328	127	38.7%	107	32.6%	4	1.2%	3	0.9%	3	0.9%	0	0.0%	110
36-40	318	325	87	26.8%	62	19.1%	3	0.9%	1	0.3%	1	0.3%	0	0.0%	63
41-45	130	136	14	10.3%	7	5.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	7
46-50	12	12	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
<b>Total:</b>	<b>851</b>	<b>875</b>	<b>253</b>	<b>28.9%</b>	<b>198</b>	<b>22.6%</b>	<b>7</b>	<b>0.8%</b>	<b>4</b>	<b>0.5%</b>	<b>4</b>	<b>0.5%</b>	<b>0</b>	<b>0.0%</b>	<b>202</b>

**Analysis on Effect of Two Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
21-25	6	6	4	66.7%	1	16.7%	1	16.7%	0	0.0%	0	0.0%	0	0.0%	1
26-30	54	54	25	46.3%	25	46.3%	14	25.9%	10	18.5%	10	18.5%	0	0.0%	35
31-35	313	325	168	51.7%	147	45.2%	68	20.9%	63	19.4%	63	19.4%	0	0.0%	210
36-40	575	616	198	32.1%	162	26.3%	43	7.0%	34	5.5%	34	5.5%	0	0.0%	196
41-45	224	243	30	12.3%	24	9.9%	4	1.6%	1	0.4%	1	0.4%	0	0.0%	25
46-50	14	15	1	6.7%	1	6.7%	1	6.7%	1	6.7%	1	6.7%	0	0.0%	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	N/A
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	N/A
<b>Total:</b>	<b>1186</b>	<b>1259</b>	<b>426</b>	<b>33.8%</b>	<b>360</b>	<b>28.6%</b>	<b>131</b>	<b>10.4%</b>	<b>109</b>	<b>8.7%</b>	<b>109</b>	<b>8.7%</b>	<b>0</b>	<b>0.0%</b>	<b>469</b>

**Analysis on Effect of Three Embryos Transferred (Fresh Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
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	N/A
26-30	3	3	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
31-35	7	8	4	50.0%	4	50.0%	1	12.5%	1	12.5%	1	12.5%	0	0.0%	5
36-40	36	39	13	33.3%	8	20.5%	3	7.7%	1	2.6%	1	2.6%	0	0.0%	9
41-45	49	52	9	17.3%	4	7.7%	1	1.9%	0	0.0%	0	0.0%	0	0.0%	4
46-50	2	2	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
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	N/A
<b>Total:</b>	<b>97</b>	<b>104</b>	<b>26</b>	<b>25.0%</b>	<b>16</b>	<b>15.4%</b>	<b>5</b>	<b>4.8%</b>	<b>2</b>	<b>1.9%</b>	<b>2</b>	<b>1.9%</b>	<b>0</b>	<b>0.0%</b>	<b>18</b>

**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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
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	N/A
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	N/A
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	N/A
36-40	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	N/A
41-45	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	N/A
46-50	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	N/A
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	N/A
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	N/A
<b>Total:</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
21-25	16	19	7	36.8%	6	31.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
26-30	116	134	61	45.5%	54	40.3%	4	3.0%	4	3.0%	4	3.0%	0	0.0%	58
31-35	649	781	347	44.4%	298	38.2%	3	0.4%	2	0.3%	2	0.3%	0	0.0%	300
36-40	712	848	278	32.8%	225	26.5%	5	0.6%	4	0.5%	4	0.5%	0	0.0%	229
41-45	228	278	39	14.0%	23	8.3%	1	0.4%	1	0.4%	1	0.4%	0	0.0%	24
46-50	14	16	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	3	3	1	33.3%	1	33.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
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	N/A
<b>Total:</b>	<b>1738</b>	<b>2079</b>	<b>733</b>	<b>35.3%</b>	<b>607</b>	<b>29.2%</b>	<b>13</b>	<b>0.6%</b>	<b>11</b>	<b>0.5%</b>	<b>11</b>	<b>0.5%</b>	<b>0</b>	<b>0.0%</b>	<b>618</b>

**Analysis on Effect of Two Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
21-25	16	19	15	78.9%	12	63.2%	2	10.5%	2	10.5%	2	10.5%	0	0.0%	14
26-30	190	212	123	58.0%	112	52.8%	46	21.7%	43	20.3%	43	20.3%	0	0.0%	155
31-35	660	786	349	44.4%	315	40.1%	102	13.0%	88	11.2%	87	11.1%	1	0.1%	404
36-40	816	960	329	34.3%	270	28.1%	78	8.1%	59	6.1%	59	6.1%	0	0.0%	329
41-45	365	466	76	16.3%	56	12.0%	12	2.6%	7	1.5%	7	1.5%	0	0.0%	63
46-50	21	24	2	8.3%	2	8.3%	1	4.2%	1	4.2%	1	4.2%	0	0.0%	3
51-55	1	2	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
<b>Total:</b>	<b>2069</b>	<b>2469</b>	<b>894</b>	<b>36.2%</b>	<b>767</b>	<b>31.1%</b>	<b>241</b>	<b>9.8%</b>	<b>200</b>	<b>8.1%</b>	<b>199</b>	<b>8.1%</b>	<b>1</b>	<b>0.0%</b>	<b>968</b>

**Analysis on Effect of Three Embryos Transferred (Frozen Cycle) on Live Birth Rate and Multiple Pregnancy Rate in IVF and IVF + ICSI cycles in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
21-25	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
26-30	11	11	3	27.3%	2	18.2%	1	9.1%	1	9.1%	1	9.1%	0	0.0%	3
31-35	23	23	8	34.8%	7	30.4%	3	13.0%	3	13.0%	3	13.0%	0	0.0%	10
36-40	100	110	27	24.5%	23	20.9%	6	5.5%	6	5.5%	6	5.5%	0	0.0%	29
41-45	98	112	18	16.1%	14	12.5%	3	2.7%	1	0.9%	1	0.9%	0	0.0%	15
46-50	7	7	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	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	N/A
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	N/A
<b>Total:</b>	<b>240</b>	<b>264</b>	<b>56</b>	<b>21.2%</b>	<b>46</b>	<b>17.4%</b>	<b>13</b>	<b>4.9%</b>	<b>11</b>	<b>4.2%</b>	<b>11</b>	<b>4.2%</b>	<b>0</b>	<b>0.0%</b>	<b>57</b>

**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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	N/A
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	N/A
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	N/A
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	N/A
36-40	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	N/A
41-45	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	N/A
46-50	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	N/A
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	N/A
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	N/A
<b>Total:</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

**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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

<b>No. of Embryos Transferred</b>	<b>Treatment Cycles</b>	<b>Ongoing Pregnancy</b>	<b>Ongoing Pregnancy Rate</b>	<b>Multiple Pregnancy</b>	<b>Multiple Pregnancy Rate</b>	<b>Live Births</b>	<b>Live Birth Rate</b>
1	2954	986	33.4%	20	0.7%	805	27.3%
2	3705	1320	35.6%	372	10.0%	1126	30.4%
3	354	81	22.9%	18	5.1%	63	17.8%
4 or above	0	N/A	N/A	N/A	N/A	N/A	N/A

**Table 14**

**Analysis on the Usage of Fresh / Frozen Oocytes and Live Birth Rate by Age Group in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	0	N/A	N/A	N/A	N/A	18-20	0	N/A	N/A	N/A	N/A
21-25	36	5	13.9%	1	2.8%	21-25	0	N/A	N/A	N/A	N/A
26-30	327	49	15.0%	47	14.4%	26-30	0	N/A	N/A	N/A	N/A
31-35	1372	287	20.9%	248	18.1%	31-35	7	2	28.6%	1	14.3%
36-40	1836	291	15.8%	228	12.4%	36-40	14	3	21.4%	3	21.4%
41-45	886	55	6.2%	37	4.2%	41-45	5	0	0.0%	0	0.0%
46-50	78	1	1.3%	1	1.3%	46-50	2	0	0.0%	0	0.0%
51-55	2	0	0.0%	0	0.0%	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
<b>Total:</b>	<b>4537</b>	<b>688</b>	<b>15.2%</b>	<b>562</b>	<b>12.4%</b>	<b>Total:</b>	<b>28</b>	<b>5</b>	<b>17.9%</b>	<b>4</b>	<b>14.3%</b>

*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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

	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	984	6	990	0	0	0	0	0	0	3368	25	3393	0	0	0	0	0	0
No. of cycles started	1122	6	1128	N/A	N/A	N/A	N/A	N/A	N/A	3981	27	4008	N/A	N/A	N/A	N/A	N/A	N/A
No. of embryo transfer (ET)	594	3	597	N/A	N/A	N/A	N/A	N/A	N/A	1750	16	1766	N/A	N/A	N/A	N/A	N/A	N/A
No. of embryo transferred / cycle	1.64	1.67	1.64	N/A	N/A	N/A	N/A	N/A	N/A	1.66	1.75	1.66	N/A	N/A	N/A	N/A	N/A	N/A
- Fresh embryos	1.57	1.67	1.57	N/A	N/A	N/A	N/A	N/A	N/A	1.60	1.44	1.60	N/A	N/A	N/A	N/A	N/A	N/A
- Frozen embryos	0.08	0.00	0.08	N/A	N/A	N/A	N/A	N/A	N/A	0.06	0.31	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	229	2	231	N/A	N/A	N/A	N/A	N/A	N/A	618	8	626	N/A	N/A	N/A	N/A	N/A	N/A
No. of no pregnancy@	893	4	897	N/A	N/A	N/A	N/A	N/A	N/A	3362	19	3381	N/A	N/A	N/A	N/A	N/A	N/A
No. of miscarriage (spont. abortion)	24	0	24	N/A	N/A	N/A	N/A	N/A	N/A	81	3	84	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	3	0	3	N/A	N/A	N/A	N/A	N/A	N/A	11	0	11	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	0	0	0	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	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A
No. of ongoing pregnancy	202	2	204	N/A	N/A	N/A	N/A	N/A	N/A	526	5	531	N/A	N/A	N/A	N/A	N/A	N/A
Ongoing pregnancy rate*	18.0%	33.3%	18.1%	N/A	N/A	N/A	N/A	N/A	N/A	13.2%	18.5%	13.2%	N/A	N/A	N/A	N/A	N/A	N/A
No. of live births	161	2	163	N/A	N/A	N/A	N/A	N/A	N/A	431	5	436	N/A	N/A	N/A	N/A	N/A	N/A
Live birth rate	14.3%	33.3%	14.5%	N/A	N/A	N/A	N/A	N/A	N/A	10.8%	18.5%	10.9%	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	1	0	1	N/A	N/A	N/A	N/A	N/A	N/A
Clinical pregnancy rate/ cycle started	20.4%	33.3%	20.5%	N/A	N/A	N/A	N/A	N/A	N/A	15.5%	29.6%	15.6%	N/A	N/A	N/A	N/A	N/A	N/A
Clinical pregnancy rate/ transfer	38.6%	66.7%	38.7%	N/A	N/A	N/A	N/A	N/A	N/A	35.3%	50.0%	35.4%	N/A	N/A	N/A	N/A	N/A	N/A
Ongoing pregnancy rate/ cycle started	18.0%	33.3%	18.1%	N/A	N/A	N/A	N/A	N/A	N/A	13.2%	18.5%	13.2%	N/A	N/A	N/A	N/A	N/A	N/A
Ongoing pregnancy rate/ transfer	34.0%	66.7%	34.2%	N/A	N/A	N/A	N/A	N/A	N/A	30.1%	31.3%	30.1%	N/A	N/A	N/A	N/A	N/A	N/A
Multiple pregnancy rate	3.2%	0.0%	3.2%	N/A	N/A	N/A	N/A	N/A	N/A	2.1%	3.7%	2.1%	N/A	N/A	N/A	N/A	N/A	N/A
-Twins	3.2%	0.0%	3.2%	N/A	N/A	N/A	N/A	N/A	N/A	2.1%	3.7%	2.1%	N/A	N/A	N/A	N/A	N/A	N/A
-Triplets	0.0%	0.0%	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
- 4 or more fetuses	0.0%	0.0%	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 2016**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)

	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	3640	50	3690	24	2	26	105	0	105
No. of cycles started	N/A	N/A	4801	62	4863	25	3	28	123	0	123
No. of embryo transfer (ET)	N/A	N/A	4731	62	4793	18	2	20	0	0	0
No. of embryo transferred / cycle	N/A	N/A	1.62	1.65	1.62	1.83	1.00	1.75	N/A	N/A	N/A
- Fresh embryos	N/A	N/A	0.01	0.00	0.01	1.61	1.00	1.55	N/A	N/A	N/A
- Frozen embryos	N/A	N/A	1.61	1.65	1.61	0.22	0.00	0.20	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	1932	35	1967	6	1	7	N/A	N/A	N/A
No. of no pregnancy @	N/A	N/A	2866	27	2893	19	2	21	N/A	N/A	N/A
No. of miscarriage (spont. abortion)	N/A	N/A	254	5	259	2	0	2	N/A	N/A	N/A
No. of hydatidiform mole	N/A	N/A	1	0	1	0	0	0	N/A	N/A	N/A
No. of ectopic pregnancy	N/A	N/A	25	0	25	0	0	0	N/A	N/A	N/A
No. of heterotopic pregnancy	N/A	N/A	0	0	0	0	0	0	N/A	N/A	N/A
No. of termination of pregnancy (TOP)	N/A	N/A	0	0	0	0	0	0	N/A	N/A	N/A
No. of ongoing pregnancy	N/A	N/A	1652	30	1682	4	1	5	N/A	N/A	N/A
Ongoing pregnancy rate *	N/A	N/A	34.4%	48.4%	34.6%	16.0%	33.3%	17.9%	N/A	N/A	N/A
No. of live births	N/A	N/A	1392	27	1419	3	1	4	N/A	N/A	N/A
Live birth rate	N/A	N/A	29.0%	43.5%	29.2%	12.0%	33.3%	14.3%	N/A	N/A	N/A
No. lost to follow up	N/A	N/A	3	0	3	0	0	0	N/A	N/A	N/A
Clinical pregnancy rate/ cycle started	N/A	N/A	40.2%	56.5%	40.4%	24.0%	33.3%	25.0%	N/A	N/A	N/A
Clinical pregnancy rate/ transfer	N/A	N/A	40.8%	56.5%	41.0%	33.3%	50.0%	35.0%	N/A	N/A	N/A
Ongoing pregnancy rate/ cycle started	N/A	N/A	34.4%	48.4%	34.6%	16.0%	33.3%	17.9%	N/A	N/A	N/A
Ongoing pregnancy rate/ transfer	N/A	N/A	34.9%	48.4%	35.1%	22.2%	50.0%	25.0%	N/A	N/A	N/A
Multiple pregnancy rate	N/A	N/A	4.5%	9.7%	4.5%	4.0%	0.0%	3.6%	N/A	N/A	N/A
-Twins	N/A	N/A	4.5%	9.7%	4.5%	4.0%	0.0%	3.6%	N/A	N/A	N/A
-Triplets	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	N/A	N/A
- 4 or more fetuses	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	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 59 cycles of oocyte freezing (involving 45 patients), 64 failed cycles (involving 60 patients) 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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

	<b>AIH-IUI</b>
No. of patients	3092
No. of cycles started	4597
No. of cycles which proceeded to IUI	4573
No. of clinical pregnancies	606
No. of no pregnancy	3936
No. of miscarriage (spont. abortion)	59
No. of hydatidiform mole	0
No. of ectopic pregnancy	17
No. of heterotopic pregnancy	0
No. of termination of pregnancy (TOP)	0
No. of ongoing pregnancy	530
Ongoing pregnancy rate	11.5%
No. of live births	362
Live birth rate	7.9%
No. lost to follow up	55
Clinical pregnancy rate/ cycle started	13.2%
Clinical pregnancy rate/ cycle of IUI	13.3%
Ongoing pregnancy rate/ cycle started	11.5%
Ongoing pregnancy rate/ cycle of IUI	11.6%
Multiple pregnancy rate	1.1%
-Twins	1.1%
-Triplets	0.0%
- 4 or more fetuses	0.0%

**Table 17****Infertility Diagnosis by Age of Patients Receiving RT Procedures (other than DI and AIH) in 2016***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	7	125	587	591	107	3	0	0	<b>1420</b>
Tubal problem	0	3	39	131	132	41	6	1	0	<b>353</b>
Endometriosis	0	0	6	60	72	20	0	0	0	<b>158</b>
Immunologic problem	0	0	0	2	7	5	0	0	0	<b>14</b>
Tubo-peritoneal problem	0	0	19	66	92	12	0	0	0	<b>189</b>
Ovulatory problem	0	2	19	60	73	15	2	0	0	<b>171</b>
Unexplained	0	7	51	233	358	73	1	0	0	<b>723</b>
Other Causes	0	9	32	110	200	249	31	1	0	<b>632</b>
Multiple factors-female plus male	0	13	112	493	715	369	33	1	0	<b>1736</b>
Multiple factors-female only	0	3	31	156	234	118	12	1	0	<b>555</b>

*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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	8	106	511	380	58	3	0	0	<b>1066</b>
Endometriosis	0	1	12	37	37	7	0	0	0	<b>94</b>
Ovulatory problem	0	3	42	138	88	14	2	0	0	<b>287</b>
Unexplained	0	2	58	337	252	43	4	0	0	<b>696</b>
Others	0	0	17	111	117	80	6	0	0	<b>331</b>
Multiple factors-female plus male	0	5	51	207	175	57	4	0	0	<b>499</b>
Multiple factors-female only	0	1	9	48	49	12	0	0	0	<b>119</b>

*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 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

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	0	0	0	0	0	0	0
Nonobstructive azoospermia	0	0	0	1	4	3	2	0	0	10
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	1	0	0	0	0	1
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	1	0	0	0	1
Others	0	0	0	0	1	2	0	0	0	3

**Remarks:**

- (1) The age of husband has been used in calculating the age of patient.*
- (2) Same patient might have more than one reason for treatment.*

**Table 20****Live Birth Rates among Women who had RT Cycles by Diagnosis in 2016**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2016)*

<b>Diagnosis</b>	<b>Treatment Cycles</b>	<b>Ongoing Pregnancy</b>	<b>Ongoing Pregnancy Rate</b>	<b>Live Births</b>	<b>Live Birth Rate</b>
Male factor	3873	870	22.5%	719	18.6%
Tubal problem	580	156	26.9%	126	21.7%
Endometriosis	407	79	19.4%	60	14.7%
Immunologic problem	29	5	17.2%	4	13.8%
Tubo-peritoneal problem	270	63	23.3%	59	21.9%
Ovulatory problem	736	132	17.9%	109	14.8%
Unexplained	2295	438	19.1%	344	15.0%
Other Causes	1769	234	13.2%	188	10.6%
Multitple factors-female plus male	3487	711	20.4%	569	16.3%
Multitple factors-female only	919	229	24.9%	178	19.4%
<b>Total:</b>	<b>14365</b>	<b>2917</b>	<b>20.3%</b>	<b>2356</b>	<b>16.4%</b>

*Remark:*

*Cycles of DI are not included in this table but reported in Table 19.*

**Table 21**

**Number of Gametes / Embryos Stored / Used for Research (as at end December 2016)**

<b>Materials</b>	<b>Cumulative no. stored for research</b>
Embryos	743
Eggs (oocytes)	7
Semen Samples	113

<b>Materials</b>	<b>Cumulative no. used for research</b>
Embryos	0

**Table 22****Past and Current Research Projects ending December 2016**

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	✓	
	(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	✓	
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	✓	
2012	(iv) Department of Obstetrics & Gynaecology, The University of Hong Kong	(iv) Role of microRNA lethal-7(let-7) on blastocyst formation in mice and human embryos	(iv) 36 months	✓	
2013	(v) Department of Obstetrics & Gynaecology, The University of Hong Kong	(v) A study on extent of aneuploidy in preimplantation human embryos	(v) 36 months	✓	
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	(vi) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong	(vi) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application	(vi) 36 months		✓
	(vii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong Kong	(vii) Molecular analysis of culture medium samples from embryos of in-vitro fertilisation (IVF) patients	(vii) 36 months		✓
<b>Total:</b>	<b>7</b>	<b>7</b>		<b>5</b>	<b>2</b>

Remark:

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