

**Table 1**

**Number of Gametes and Embryos Stored by RT Centres in 2018**

<b>Storage</b>	<b>as at 31 December 2018</b>
Embryos	27083
Eggs (oocytes)	3610
Semen Samples	5520

**Table 2**

**Number and Ages of Gamete Donors in 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

<b>Age Group</b>	<b>Female Donors</b>	<b>%</b>	<b>Male Donors</b>	<b>%</b>	<b>Total</b>
18-20	0	0.0%	1	3.1%	1
21-25	4	13.8%	9	28.1%	13
26-30	9	31.0%	10	31.3%	19
31-35	11	37.9%	9	28.1%	20
36-40	4	13.8%	2	6.3%	6
41-45	1	3.4%	0	0.0%	1
46-50	0	0.0%	1	3.1%	1
51-55	0	0.0%	0	0.0%	0
56 or above	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>29</b>	<b>100.0%</b>	<b>32</b>	<b>100.0%</b>	<b>61</b>

*Remark:*

*The number of donors refer to the number of donors whose donated gametes were used in 2018.*

**Table 3**

**Number and Ages of Embryo Donors in 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

<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	0	0.0%	0	0.0%	0
36-40	0	0.0%	0	0.0%	0
41-45	0	0.0%	0	0.0%	0
46-50	0	0.0%	0	0.0%	0
51-55	0	0.0%	0	0.0%	0
<b>Total no. of donors:</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</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 2018.*

**Table 4**

**Number of Gametes and Embryos Donation Made in 2018**

<b>Donated Material</b>	<b>Number of Donors</b>	<b>Number of Donations Made</b>
Semen	18	31
Eggs (oocytes)	15	15
Embryos	0	0

*Remark:*

*The number of donors refers to the number of donors who made donation in 2018.*

**Table 5****Live Birth Outcome Using DI in 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

Number of DI Patients	3
Number of DI Treatment Cycles	7
Clinical Pregnancies	1
Clinical Pregnancy Rate	14.3%
Ongoing Pregnancy	1
Ongoing Pregnancy Rate	14.3%
Total DI Live Birth	1
DI Live Birth Rate	14.3%
DI Singleton Birth	1
DI Twin Birth	0
DI Triple and Higher Order Birth	0
Multiple DI Live Birth Rate	0.0%
Total Number of Babies Born	1

**Table 6****Live Birth Outcome Using Donated Gametes and Embryos in 2018 (RT procedures other than DI)**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

	<b>Donated Sperm</b>	<b>Donated Eggs (oocytes)</b>	<b>Donated Embryos</b>	<b>Total</b>
Number of Patients	42	29	0	71
Number of Treatment Cycles	74	38	NA	112
Embryo Transfers	58	29	NA	87
Clinical Pregnancies	30	19	NA	49
Clinical Pregnancy Rate	40.5%	50.0%	NA	43.8%
Ongoing Pregnancy	23	16	NA	39
Ongoing Pregnancy Rate	31.1%	42.1%	NA	34.8%
Total Live Births	22	13	NA	35
Live Birth Rate	29.7%	34.2%	NA	31.3%
Singleton Birth	15	10	NA	25
Twin Birth	7	2	NA	9
Triple and Higher Order Birth	0	1	NA	1
Multiple Live Birth Rate	9.5%	7.9%	NA	8.9%
Total Number of Babies Born	29	17	NA	46

**Remarks:**

(1) NA = Not applicable

(2) RT Procedures include: IVF, IVF/ ICSI and FET.

## **Table 7**

### **Types of RT Procedures in 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

<b>Types of RT Procedures</b>	<b>No. of Patients</b>	<b>No. of Treatment Cycles</b>
IVF-ET	1085	1219
IVF+ICSI	3174	3836
GIFT	0	0
ZIFT/PROST	0	0
Frozen-thawed ET	3736	5050
AIH	2501	3776
Others	184	252
<b>Total:</b>	<b>10680</b>	<b>14133</b>

#### *Remarks:*

*(1) "Others" include 151 cycles of oocyte freezing (involving 104 patients), 94 failed cycles (involving 77 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE and 7 cycles (involving 3 patients) of donor insemination.*

*(2) Among 14,133 treatment cycles, 1,557 cycles involved other types of micromanipulation such as assisted hatching, PGT-M/SR, PGT-A, embryo biopsy, MESA, TESA, TESE, calcium activation and partial zona dissection (PZD).*

*(3) There are 383 treatment cycles involved more than one type of RT procedures, which included (a) IVF (with and without ICSI) - 320 cycles; (b) IVF (with ICSI) & Frozen-thawed ET - 60 cycles; (c) IVF (without ICSI) & Frozen-thawed ET - 3 cycles.*

**Table 8****Analysis of Live Birth Rates among Women by Different Age Group in IVF Cycles in 2018 (with or without ICSI)***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	31	3	9.7%	3	9.7%	21-25	5	1	20.0%	1	20.0%
26-30	252	17	6.7%	16	6.3%	26-30	76	10	13.2%	10	13.2%
31-35	1127	126	11.2%	110	9.8%	31-35	422	76	18.0%	64	15.2%
36-40	1483	148	10.0%	127	8.6%	36-40	531	81	15.3%	71	13.4%
41-45	856	32	3.7%	21	2.5%	41-45	169	15	8.9%	8	4.7%
46-50	86	2	2.3%	0	0.0%	46-50	16	0	0.0%	0	0.0%
51-55	1	0	0.0%	0	0.0%	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>3836</b>	<b>328</b>	<b>8.6%</b>	<b>277</b>	<b>7.2%</b>	<b>Total:</b>	<b>1219</b>	<b>183</b>	<b>15.0%</b>	<b>154</b>	<b>12.6%</b>

Age	IVF- all cycles				
	Treatment Cycles	Ongoing Pregnancy	Ongoing Pregnancy Rate	Live Births	Live Birth Rate
18-20	0	NA	NA	NA	NA
21-25	36	4	11.1%	4	11.1%
26-30	328	27	8.2%	26	7.9%
31-35	1549	202	13.0%	174	11.2%
36-40	2014	229	11.4%	198	9.8%
41-45	1025	47	4.6%	29	2.8%
46-50	102	2	2.0%	0	0.0%
51-55	1	0	0.0%	0	0.0%
56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>5055</b>	<b>511</b>	<b>10.1%</b>	<b>431</b>	<b>8.5%</b>

*Remarks:**(1) NA = Not applicable**(2) The age of wife has been used in calculating the age of patient.**(3) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.*



**Table 9****Analysis of Live Birth Rates among Women by Different Age Group in Different Type of RT Procedures in 2018***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	5	1	20.0%	1	20.0%	21-25	0	NA	NA	NA	NA
26-30	76	10	13.2%	10	13.2%	26-30	0	NA	NA	NA	NA
31-35	422	76	18.0%	64	15.2%	31-35	0	NA	NA	NA	NA
36-40	531	81	15.3%	71	13.4%	36-40	0	NA	NA	NA	NA
41-45	169	15	8.9%	8	4.7%	41-45	0	NA	NA	NA	NA
46-50	16	0	0.0%	0	0.0%	46-50	0	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>1219</b>	<b>183</b>	<b>15.0%</b>	<b>154</b>	<b>12.6%</b>	<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</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	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	21-25	11	3	27.3%	3	27.3%
26-30	0	NA	NA	NA	NA	26-30	369	51	13.8%	42	11.4%
31-35	0	NA	NA	NA	NA	31-35	1692	181	10.7%	155	9.2%
36-40	0	NA	NA	NA	NA	36-40	1370	149	10.9%	122	8.9%
41-45	0	NA	NA	NA	NA	41-45	289	10	3.5%	7	2.4%
46-50	0	NA	NA	NA	NA	46-50	17	1	5.9%	1	5.9%
51-55	0	NA	NA	NA	NA	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>Total:</b>	<b>3748</b>	<b>395</b>	<b>10.5%</b>	<b>330</b>	<b>8.8%</b>

**Remarks:***(1) NA = Not applicable**(2) 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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	19	26	9	34.6%	8	30.8%	1	3.8%	1	3.8%	1	3.8%	0	0.0%	9
26-30	201	242	117	48.3%	104	43.0%	3	1.2%	0	0.0%	0	0.0%	0	0.0%	104
31-35	1072	1378	537	39.0%	482	35.0%	8	0.6%	5	0.4%	5	0.4%	0	0.0%	487
36-40	1354	1719	543	31.6%	451	26.2%	11	0.6%	9	0.5%	9	0.5%	0	0.0%	460
41-45	395	501	85	17.0%	60	12.0%	1	0.2%	1	0.2%	1	0.2%	0	0.0%	61
46-50	24	30	1	3.3%	1	3.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>3065</b>	<b>3896</b>	<b>1292</b>	<b>33.2%</b>	<b>1106</b>	<b>28.4%</b>	<b>24</b>	<b>0.6%</b>	<b>16</b>	<b>0.4%</b>	<b>16</b>	<b>0.4%</b>	<b>0</b>	<b>0.0%</b>	<b>1122</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	17	19	9	47.4%	9	47.4%	2	10.5%	1	5.3%	1	5.3%	0	0.0%	10
26-30	139	156	87	55.8%	82	52.6%	30	19.2%	29	18.6%	28	17.9%	1	0.6%	112
31-35	596	705	334	47.4%	295	41.8%	99	14.0%	84	11.9%	83	11.8%	1	0.1%	380
36-40	925	1120	392	35.0%	342	30.5%	94	8.4%	77	6.9%	76	6.8%	1	0.1%	420
41-45	419	514	87	16.9%	58	11.3%	8	1.6%	5	1.0%	4	0.8%	1	0.2%	64
46-50	39	45	6	13.3%	3	6.7%	1	2.2%	1	2.2%	1	2.2%	0	0.0%	4
51-55	1	1	1	100.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>2136</b>	<b>2560</b>	<b>916</b>	<b>35.8%</b>	<b>789</b>	<b>30.8%</b>	<b>235</b>	<b>9.2%</b>	<b>197</b>	<b>7.7%</b>	<b>193</b>	<b>7.5%</b>	<b>4</b>	<b>0.2%</b>	<b>990</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	3	3	1	33.3%	1	33.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
31-35	14	14	7	50.0%	5	35.7%	2	14.3%	2	14.3%	2	14.3%	0	0.0%	7
36-40	64	68	17	25.0%	15	22.1%	2	2.9%	0	0.0%	0	0.0%	0	0.0%	15
41-45	87	96	13	13.5%	11	11.5%	4	4.2%	2	2.1%	2	2.1%	0	0.0%	13
46-50	7	8	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>175</b>	<b>189</b>	<b>38</b>	<b>20.1%</b>	<b>32</b>	<b>16.9%</b>	<b>8</b>	<b>4.2%</b>	<b>4</b>	<b>2.1%</b>	<b>4</b>	<b>2.1%</b>	<b>0</b>	<b>0.0%</b>	<b>36</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) In view of the analysis of embryos transferred on live birth rate and multiple pregnancy rate in IVF + ICSI cycles, the statistics of Table 10 (Fresh/Frozen Cycle) was independent from the statistics of Table 11(Fresh) and Table 12(Frozen) as one treatment cycle of a patient could have involved both fresh and frozen embryos transferred.
- (5) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	3	3	2	66.7%	2	66.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
26-30	33	33	13	39.4%	13	39.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	13
31-35	318	327	121	37.0%	105	32.1%	4	1.2%	2	0.6%	2	0.6%	0	0.0%	107
36-40	414	428	116	27.1%	102	23.8%	1	0.2%	1	0.2%	1	0.2%	0	0.0%	103
41-45	103	109	8	7.3%	4	3.7%	1	0.9%	1	0.9%	1	0.9%	0	0.0%	5
46-50	8	8	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>879</b>	<b>908</b>	<b>260</b>	<b>28.6%</b>	<b>226</b>	<b>24.9%</b>	<b>6</b>	<b>0.7%</b>	<b>4</b>	<b>0.4%</b>	<b>4</b>	<b>0.4%</b>	<b>0</b>	<b>0.0%</b>	<b>230</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	4	4	1	25.0%	1	25.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
26-30	22	22	13	59.1%	12	54.5%	2	9.1%	2	9.1%	2	9.1%	0	0.0%	14
31-35	152	158	65	41.1%	54	34.2%	16	10.1%	12	7.6%	12	7.6%	0	0.0%	66
36-40	319	338	100	29.6%	86	25.4%	17	5.0%	13	3.8%	13	3.8%	0	0.0%	99
41-45	178	193	34	17.6%	21	10.9%	2	1.0%	1	0.5%	1	0.5%	0	0.0%	22
46-50	12	14	2	14.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>687</b>	<b>729</b>	<b>215</b>	<b>29.5%</b>	<b>174</b>	<b>23.9%</b>	<b>37</b>	<b>5.1%</b>	<b>28</b>	<b>3.8%</b>	<b>28</b>	<b>3.8%</b>	<b>0</b>	<b>0.0%</b>	<b>202</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	18	19	5	26.3%	3	15.8%	1	5.3%	0	0.0%	0	0.0%	0	0.0%	3
41-45	37	38	3	7.9%	2	5.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2
46-50	1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>56</b>	<b>58</b>	<b>8</b>	<b>13.8%</b>	<b>5</b>	<b>8.6%</b>	<b>1</b>	<b>1.7%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>5</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) In view of the analysis of embryos transferred on live birth rate and multiple pregnancy rate in IVF + ICSI cycles, the statistics of Table 10 (Fresh/Frozen Cycle) was independent from the statistics of Table 11(Fresh) and Table 12(Frozen) as one treatment cycle of a patient could have involved both fresh and frozen embryos transferred.
- (5) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	16	23	7	30.4%	6	26.1%	1	4.3%	1	4.3%	1	4.3%	0	0.0%	7
26-30	176	209	104	49.8%	91	43.5%	3	1.4%	0	0.0%	0	0.0%	0	0.0%	91
31-35	830	1051	416	39.6%	377	35.9%	4	0.4%	3	0.3%	3	0.3%	0	0.0%	380
36-40	1030	1291	427	33.1%	349	27.0%	10	0.8%	8	0.6%	8	0.6%	0	0.0%	357
41-45	315	392	77	19.6%	56	14.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	56
46-50	16	22	1	4.5%	1	4.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>2383</b>	<b>2988</b>	<b>1032</b>	<b>34.5%</b>	<b>880</b>	<b>29.5%</b>	<b>18</b>	<b>0.6%</b>	<b>12</b>	<b>0.4%</b>	<b>12</b>	<b>0.4%</b>	<b>0</b>	<b>0.0%</b>	<b>892</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	14	15	8	53.3%	8	53.3%	2	13.3%	1	6.7%	1	6.7%	0	0.0%	9
26-30	119	134	74	55.2%	70	52.2%	28	20.9%	27	20.1%	26	19.4%	1	0.7%	98
31-35	463	547	269	49.2%	241	44.1%	83	15.2%	72	13.2%	71	13.0%	1	0.2%	314
36-40	666	787	292	37.1%	256	32.5%	77	9.8%	64	8.1%	63	8.0%	1	0.1%	321
41-45	273	329	53	16.1%	37	11.2%	6	1.8%	4	1.2%	3	0.9%	1	0.3%	42
46-50	28	31	4	12.9%	3	9.7%	1	3.2%	1	3.2%	1	3.2%	0	0.0%	4
51-55	1	1	1	100.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>1564</b>	<b>1844</b>	<b>701</b>	<b>38.0%</b>	<b>615</b>	<b>33.4%</b>	<b>198</b>	<b>10.7%</b>	<b>169</b>	<b>9.2%</b>	<b>165</b>	<b>8.9%</b>	<b>4</b>	<b>0.2%</b>	<b>788</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	3	3	1	33.3%	1	33.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1
31-35	14	14	7	50.0%	5	35.7%	2	14.3%	2	14.3%	2	14.3%	0	0.0%	7
36-40	47	49	12	24.5%	12	24.5%	1	2.0%	0	0.0%	0	0.0%	0	0.0%	12
41-45	55	58	10	17.2%	9	15.5%	4	6.9%	2	3.4%	2	3.4%	0	0.0%	11
46-50	7	8	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>126</b>	<b>132</b>	<b>30</b>	<b>22.7%</b>	<b>27</b>	<b>20.5%</b>	<b>7</b>	<b>5.3%</b>	<b>4</b>	<b>3.0%</b>	<b>4</b>	<b>3.0%</b>	<b>0</b>	<b>0.0%</b>	<b>31</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21-25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26-30	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31-35	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36-40	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41-45	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
51-55	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total:</b>	<b>0</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**Remarks:**

- (1) NA = Not applicable
- (2) Cases reported include all cycles of IVF, IVF+ICSI and Frozen-thawed ET.
- (3) The age of wife has been used in calculating the age of patient.
- (4) In view of the analysis of embryos transferred on live birth rate and multiple pregnancy rate in IVF + ICSI cycles, the statistics of Table 10 (Fresh/Frozen Cycle) was independent from the statistics of Table 11(Fresh) and Table 12(Frozen) as one treatment cycle of a patient could have involved both fresh and frozen embryos transferred.
- (5) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.

**Table 13****Live Birth Rate and Multiple Pregnancy Rate for Different Number of Embryo Transferred in 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

<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	3896	1292	33.2%	24	0.6%	1106	28.4%
2	2560	916	35.8%	235	9.2%	789	30.8%
3	189	38	20.1%	8	4.2%	32	16.9%
4 or above	0	NA	NA	NA	NA	NA	NA

**Remarks:**

*(1) NA = Not applicable*

*(2) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.*

**Table 14****Analysis on the Usage of Fresh / Frozen Oocytes and Live Birth Rate by Age Group in 2018***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

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	NA	NA	NA	NA	18-20	0	NA	NA	NA	NA
21-25	31	3	9.7%	0	0.0%	21-25	1	0	0.0%	0	0.0%
26-30	279	25	9.0%	3	1.1%	26-30	3	0	0.0%	0	0.0%
31-35	1358	184	13.5%	24	1.8%	31-35	15	0	0.0%	0	0.0%
36-40	1801	218	12.1%	157	8.7%	36-40	15	0	0.0%	0	0.0%
41-45	879	42	4.8%	189	21.5%	41-45	7	1	14.3%	1	14.3%
46-50	76	2	2.6%	27	35.5%	46-50	1	0	0.0%	0	0.0%
51-55	0	NA	NA	NA	NA	51-55	0	NA	NA	NA	NA
56 and above	0	NA	NA	NA	NA	56 and above	0	NA	NA	NA	NA
<b>Total:</b>	<b>4424</b>	<b>474</b>	<b>10.7%</b>	<b>401</b>	<b>9.1%</b>	<b>Total:</b>	<b>42</b>	<b>1</b>	<b>2.4%</b>	<b>1</b>	<b>2.4%</b>

**Remarks:***(1) NA = Not applicable**(2) Cases reported include all cycles of IVF and IVF+ICSI.**(3) 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 2018**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)

	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	1077	8	1085	0	0	0	0	0	0	3145	29	3174	0	0	0	0	0	0
No. of cycles started	1208	11	1219	NA	NA	NA	NA	NA	NA	3797	39	3836	NA	NA	NA	NA	NA	NA
No. of embryo transfer (ET)	542	6	548	NA	NA	NA	NA	NA	NA	1218	19	1237	NA	NA	NA	NA	NA	NA
No. of embryo transferred / cycle	1.34	1.17	1.34	NA	NA	NA	NA	NA	NA	1.56	1.53	1.56	NA	NA	NA	NA	NA	NA
- Fresh embryos	1.32	1.17	1.32	NA	NA	NA	NA	NA	NA	1.51	1.00	1.51	NA	NA	NA	NA	NA	NA
- Frozen embryos	0.02	0.00	0.02	NA	NA	NA	NA	NA	NA	0.05	0.53	0.06	NA	NA	NA	NA	NA	NA
No. of gamete transfer	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA
No. of oocyte transferred / cycle	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA
- Fresh oocytes	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA
- Frozen oocytes	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA
No. of clinical pregnancies	204	3	207	NA	NA	NA	NA	NA	NA	385	9	394	NA	NA	NA	NA	NA	NA
No. of no pregnancy@	1004	8	1012	NA	NA	NA	NA	NA	NA	3412	30	3442	NA	NA	NA	NA	NA	NA
No. of miscarriage (spont. abortion)	16	0	16	NA	NA	NA	NA	NA	NA	56	3	59	NA	NA	NA	NA	NA	NA
No. of hydatidiform mole	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	NA	NA	NA
No. of ectopic pregnancy	8	0	8	NA	NA	NA	NA	NA	NA	6	0	6	NA	NA	NA	NA	NA	NA
No. of heterotopic pregnancy	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	NA	NA	NA
No. of termination of pregnancy (TOP)	0	0	0	NA	NA	NA	NA	NA	NA	1	0	1	NA	NA	NA	NA	NA	NA
No. of ongoing pregnancy	180	3	183	NA	NA	NA	NA	NA	NA	322	6	328	NA	NA	NA	NA	NA	NA
Ongoing pregnancy rate*	14.9%	27.3%	15.0%	NA	NA	NA	NA	NA	NA	8.5%	15.4%	8.6%	NA	NA	NA	NA	NA	NA
No. of live births	151	3	154	NA	NA	NA	NA	NA	NA	271	6	277	NA	NA	NA	NA	NA	NA
Live birth rate	12.5%	27.3%	12.6%	NA	NA	NA	NA	NA	NA	7.1%	15.4%	7.2%	NA	NA	NA	NA	NA	NA
No. lost to follow up	0	0	0	NA	NA	NA	NA	NA	NA	0	0	0	NA	NA	NA	NA	NA	NA
Clinical pregnancy rate/ cycle started	16.9%	27.3%	17.0%	NA	NA	NA	NA	NA	NA	10.1%	23.1%	10.3%	NA	NA	NA	NA	NA	NA
Clinical pregnancy rate/ transfer	37.6%	50.0%	37.8%	NA	NA	NA	NA	NA	NA	31.6%	47.4%	31.9%	NA	NA	NA	NA	NA	NA
Ongoing pregnancy rate/ cycle started	14.9%	27.3%	15.0%	NA	NA	NA	NA	NA	NA	8.5%	15.4%	8.6%	NA	NA	NA	NA	NA	NA
Ongoing pregnancy rate/ transfer	33.2%	50.0%	33.4%	NA	NA	NA	NA	NA	NA	26.4%	31.6%	26.5%	NA	NA	NA	NA	NA	NA
Multiple pregnancy rate	0.7%	9.1%	0.7%	NA	NA	NA	NA	NA	NA	0.6%	5.1%	0.6%	NA	NA	NA	NA	NA	NA
-Twins	0.7%	9.1%	0.7%	NA	NA	NA	NA	NA	NA	0.6%	5.1%	0.6%	NA	NA	NA	NA	NA	NA
-Triplets	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA
- 4 or more fetuses	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA	0.0%	0.0%	0.0%	NA	NA	NA	NA	NA	NA

**Table 15 (continued)**

**Results and Outcome for Different Types of RT Procedures in 2018**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)

	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	3684	52	3736	37	1	38	180	1	181
No. of cycles started	NA	NA	4984	66	5050	42	1	43	244	1	245
No. of embryo transfer (ET)	NA	NA	4892	66	4958	13	1	14	0	0	0
No. of embryo transferred / cycle	NA	NA	1.42	1.53	1.42	1.69	2.00	1.71	NA	NA	NA
- Fresh embryos	NA	NA	0.00	0.05	0.00	1.69	0.00	1.57	NA	NA	NA
- Frozen embryos	NA	NA	1.42	1.48	1.42	0.00	2.00	0.14	NA	NA	NA
No. of gamete transfer	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA
No. of oocyte transferred / cycle	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA
- Fresh oocytes	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA
- Frozen oocytes	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA
No. of clinical pregnancies	NA	NA	2084	39	2123	1	0	1	NA	NA	NA
No. of no pregnancy @	NA	NA	2894	27	2921	41	1	42	NA	NA	NA
No. of miscarriage (spont. abortion)	NA	NA	334	7	341	0	0	0	NA	NA	NA
No. of hydatidiform mole	NA	NA	0	0	0	0	0	0	NA	NA	NA
No. of ectopic pregnancy	NA	NA	15	0	15	0	0	0	NA	NA	NA
No. of heterotopic pregnancy	NA	NA	0	0	0	0	0	0	NA	NA	NA
No. of termination of pregnancy (TOP)	NA	NA	5	0	5	0	0	0	NA	NA	NA
No. of ongoing pregnancy	NA	NA	1730	32	1762	1	0	1	NA	NA	NA
Ongoing pregnancy rate *	NA	NA	34.7%	48.5%	34.9%	2.4%	0.0%	2.3%	NA	NA	NA
No. of live births	NA	NA	1492	28	1520	1	0	1	NA	NA	NA
Live birth rate	NA	NA	29.9%	42.4%	30.1%	2.4%	0.0%	2.3%	NA	NA	NA
No. lost to follow up	NA	NA	6	0	6	0	0	0	NA	NA	NA
Clinical pregnancy rate/ cycle started	NA	NA	41.8%	59.1%	42.0%	2.4%	0.0%	2.3%	NA	NA	NA
Clinical pregnancy rate/ transfer	NA	NA	42.6%	59.1%	42.8%	7.7%	0.0%	7.1%	NA	NA	NA
Ongoing pregnancy rate/ cycle started	NA	NA	34.7%	48.5%	34.9%	2.4%	0.0%	2.3%	NA	NA	NA
Ongoing pregnancy rate/ transfer	NA	NA	35.4%	48.5%	35.5%	7.7%	0.0%	7.1%	NA	NA	NA
Multiple pregnancy rate	NA	NA	3.5%	12.1%	3.6%	0.0%	0.0%	0.0%	NA	NA	NA
-Twins	NA	NA	3.5%	10.6%	3.6%	0.0%	0.0%	0.0%	NA	NA	NA
-Triplets	NA	NA	0.1%	1.5%	0.1%	0.0%	0.0%	0.0%	NA	NA	NA
- 4 or more fetuses	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	NA	NA	NA

@ "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) NA = Not applicable

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

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

(4) "Others" include 151 cycles of oocyte freezing (involving 104 patients) and 94 failed cycles (involving 77 patients) at the time of oocyte retrieval or at the time of surgical sperm retrieval by MESA/TESE.

(5) More than one type of RT procedures are involved in some treatment cycles. Please refer to Remark (3) in Table 7 for details.



**Table 16****Results and Outcome for IUI with or without Ovarian Stimulation in 2018**

(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)

	AIH-IUI
No. of patients	2501
No. of cycles started	3776
No. of cycles which proceeded to IUI	3748
No. of clinical pregnancies	464
No. of no pregnancy	3283
No. of miscarriage (spont. abortion)	56
No. of hydatidiform mole	0
No. of ectopic pregnancy	9
No. of heterotopic pregnancy	0
No. of termination of pregnancy (TOP)	3
No. of ongoing pregnancy	396
Ongoing pregnancy rate	10.5%
No. of live births	331
Live birth rate	8.8%
No. of lost to follow up	29
Clinical pregnancy rate/ cycle started	12.3%
Clinical pregnancy rate/ cycle of IUI	12.4%
Ongoing pregnancy rate/ cycle started	10.5%
Ongoing pregnancy rate/ cycle of IUI	10.6%
Multiple pregnancy rate	1.0%
-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 2018***(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

Diagnosis	Age Group (by no. of patients)									All
	18-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56 and above	
Male factor	0	9	93	527	622	116	0	0	0	<b>1367</b>
Tubal problem	0	4	36	114	99	28	3	0	0	<b>284</b>
Endometriosis	0	0	8	55	70	11	0	0	0	<b>144</b>
Immunologic problem	0	0	0	1	4	2	0	0	0	<b>7</b>
Tubo-peritoneal problem	0	1	16	66	70	15	0	0	0	<b>168</b>
Ovulatory problem	0	1	15	51	66	13	0	0	0	<b>146</b>
Unexplained	0	2	53	230	346	76	4	0	0	<b>711</b>
Other Causes	0	6	44	153	254	267	39	1	0	<b>764</b>
Multiple factors-female plus male	0	13	101	474	759	375	37	1	0	<b>1760</b>
Multiple factors-female only	0	1	20	155	211	101	9	0	0	<b>497</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

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	3	88	411	285	35	1	0	0	<b>823</b>
Endometriosis	0	0	3	25	24	4	0	0	0	<b>56</b>
Ovulatory problem	0	3	35	127	66	11	0	0	0	<b>242</b>
Unexplained	0	1	48	249	216	37	1	0	0	<b>552</b>
Others	0	1	24	89	116	67	9	0	0	<b>306</b>
Multiple factors-female plus	0	2	55	181	145	36	0	0	0	<b>419</b>
Multiple factors-female only	0	0	10	42	41	8	2	0	0	<b>103</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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2018)*

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	3	0	0	0	0	0	3
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

**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 2018**

*(Based on the information on Data Collection Forms received from licensed centre up to 31 December 2019)*

<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	3524	737	20.9%	647	18.4%
Tubal problem	462	134	29.0%	116	25.1%
Endometriosis	317	70	22.1%	61	19.2%
Immunologic problem	10	4	40.0%	3	30.0%
Tubo-peritoneal problem	269	69	25.7%	62	23.0%
Ovulatory problem	690	117	17.0%	94	13.6%
Unexplained	2097	430	20.5%	367	17.5%
Other Causes	1903	247	13.0%	215	11.3%
Multitple factors-female plus male	3656	660	18.1%	555	15.2%
Multitple factors-female only	815	174	21.3%	138	16.9%
<b>Total:</b>	<b>13743</b>	<b>2642</b>	<b>19.2%</b>	<b>2258</b>	<b>16.4%</b>

*Remarks:*

*(1) 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 2018)**

<b>Materials</b>	<b>Cumulative no. stored for research</b>
Embryos	800
Eggs (oocytes)	0
Semen Samples	164

<b>Materials</b>	<b>Cumulative no. used for research</b>
Embryos	88

**Table 22****Past and Current Research Projects ending December 2018**

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	36 months	✓	
	(ii) Department of Obstetrics & Gynaecology, The University of Hong Kong	(ii) Effect of extracellular matrix on culture of human embryonic stem cells	36 months	✓	
2010	-	-	-	-	-
2011	(iii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong	(iii) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application	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	36 months	✓	
2013	(v) Department of Obstetrics & Gynaecology, The University of Hong Kong	(v) A study on extent of aneuploidy in preimplantation human embryos	36 months	✓	
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	(vi) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong	(vi) A case-series study to establish preimplantation genetic screening (PGS) and its clinical application	36 months		✓
	(vii) Assisted Reproductive Technology Unit (IVFHK), Prince of Wales Hospital/ The Chinese University of Hong	(vii) Molecular analysis of culture medium samples from embryos of in-vitro fertilisation (IVF) patients	36 months		✓
2017	-	-	-	-	-
2018	(viii) Department of Obstetrics & Gynaecology, The University of Hong Kong	(viii) Deviation of Human Expanded Pluripotent Stem Cells (EPSCs) from Human	36 months		✓
<b>Total:</b>	<b>8</b>	<b>8</b>		<b>5</b>	<b>3</b>

**Remark:**

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