



กรมสนับสนุนบริการสุขภาพ
Department of Health Service Support

รายงานสรุปข้อมูลการให้บริการเทคโนโลยีช่วยการเจริญพันธุ์ทางการแพทย์ ประจำปี ๒๕๖๐
(National Summary Report)

กองสถานพยาบาลและการประกอบโรคศิลปะ
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ART CYCLE PROFILE

Type of ART and Procedural Factors	Initiate	Aspirate	Transfer		ART success rate/Transfer (%)	
			Fresh	Frozen	Fresh	Frozen
IVF	254	249	100	403	29.00%	35.98%
ICSI	13112	15016	2967	11521	28.92%	42.31%
GIFT	14	14	14		14.29%	
Donor Oocyte/ Recipient	230	227	298			
Total case	13610	15506	15303		28.92%	42.09%
ART SUCCESS RATES						
Type of Cycle	Age of Woman				Total	
	≤ 29	30-34	35-39	≥ 40		
Fresh Embryo From Nondonor Eggs						
Number of initiated Cycle	1261	3433	5124	3562	13380	
Number of aspiration Cycle	1345	3811	5890	4233	15279	
Number of transfer	194	709	1228	950	3081	
Average number of embryos transferred	1.80	1.85	1.84	1.91	1.86	
Percentage of transfers resulting in singleton live birth (%)	22.16%	23.27%	18.97%	7.47%	16.62%	
Percentage of transfers resulting in live birth (%)	37.63%	28.77%	22.48%	8.21%	20.48%	
Percentage of transfers resulting in pregnancies (%)	43.30%	38.08%	30.46%	16.95%	28.85%	
Frozen Embryo from Nondonor Eggs						
Number of initiated Cycle	1057	2750	3633	2339	9779	
Number of aspiration Cycle	818	2372	3516	2149	8855	
Number of transfer	1210	3327	4638	2749	11924	
Average number of embryos transferred	1.64	1.67	1.72	1.77	1.71	
Percentage of transfers resulting in singleton live birth (%)	28.02%	27.23%	25.53%	16.70%	24.22%	
Percentage of transfers resulting in live birth (%)	37.19%	33.78%	29.86%	19.68%	29.35%	
Percentage of transfers resulting in pregnancies (%)	54.46%	48.30%	41.68%	29.83%	42.09%	
Number of Donor Egg/Recipient Cycles						
Donor Egg						
Number of initiated Cycle	123	61	21	25	230	
Number of aspiration Cycle	127	68	16	16	227	
Recipient	Age of Woman				Total	
	≤ 29	30-39	40-49	≥ 50		
Number of transfer	7	79	179	33	298	
Average number of embryos transferred	1.29	1.62	1.67	2.06	1.69	
Percentage of transfers resulting in singleton live birth (%)	28.57%	35.44%	22.91%	24.24%	26.51%	
Percentage of transfers resulting in live birth (%)	28.57%	41.77%	27.37%	27.27%	31.21%	
Percentage of transfers resulting in pregnancies (%)	57.14%	56.96%	38.55%	42.42%	44.30%	



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Indications for Aspiration Cycles, Excluding FET and Oocyte Donation	IVF	ICSI	GIFT	Oocyte donor
Tubal, only	46	857	0	
Endometriosis, only	19	902	0	
Ovulation disorder, only	17	1459	13	
Other female factor, only	28	1541	0	
Male factor only	6	2051	0	
Multifactor (Both male and female)	4	455	0	
Infertility of unknown origin	99	2744	1	
Pre-implantation genetic diagnosis	0	1005	0	
Other factors	0	428	0	
Complications				
OHSS	3	62	3	0
Complications of oocyte retrieval total	2	11	1	0
Bleeding	0	10	1	0
Infection	2	2	0	0
Maternal death relate to ART	0	0	0	0
Other	0	0	0	0
Number of congenital abnormalities				
Gestational Age in Relation to Treatment and Pregnancies, at Birth < 37 week (%)	Singleton	Twins	Triplets	Quadruplet or higher
Standard IVF	0.00 %	0 %	0 %	0 %
ICSI	10.86 %	53.70 %	100.00 %	0 %
Frozen embryo transfer after IVF	0 %	0 %	0 %	0 %
Frozen embryo transfer after ICSI	12.54 %	46.89 %	75.00 %	100.00 %
Oocyte donation	18.95 %	66.67 %	100.00 %	0.00 %
GIFT	0 %	100.00 %	0 %	0 %
Total	12.12 %	47.45 %	87.50 %	0.87 %