

**Supplementary Table SIII Descriptives of the second fresh IVF/ICSI treatment.**

	Scratch (n = 467)		Control (n = 466)	
Second IVF/ICSI cycle				
Starting dose GnRH analogue <sup>a</sup>	200	(125–275)	225	(150–300)
Type of treatment (fertilization method) <sup>b</sup>				
IVF	192	(41.1%)	177	(38.2%)
ICSI	260	(55.7%)	268	(57.5%)
Did not start treatment	15	(3.2%)	21	(4.3%)
Pituitary downregulation <sup>c</sup>				
Agonist	392	(84.3%)	374	(81.3%)
Antagonist	59	(12.7%)	68	(14.8%)
Duration of ovarian stimulation <sup>a</sup>	11	(8–14)	11	(8–14)
Number of oocytes <sup>a</sup>	8	(1–15)	8	(2–14)
Number of embryos frozen <sup>d</sup>				
0	157	(33.8%)	146	(31.7%)
1	78	(16.8%)	55	(12.0%)
2	47	(10.1%)	67	(14.6%)
3	42	(9.0%)	40	(8.7%)
4	18	(3.9%)	25	(5.4%)
5	42	(9.0%)	49	(10.7%)
6	19	(4.1%)	21	(4.7%)
7	13	(2.8%)	8	(1.7%)
≥8	21	(4.5%)	14	(3.0%)
Third IVF/ICSI cycle <sup>e</sup>				
Type of treatment (fertilization method) <sup>f</sup>				
IVF	58	(12.4%)	58	(12.4%)
ICSI	103	(22.1%)	104	(22.3%)
Unknown IVF/ICSI	0	(0%)	1	(0.2%)
Did not start treatment	306	(65.5%)	302	(64.8%)
Number of oocytes per participant	8	(4–10)	7	(4–11)
Number of embryos frozen				
0	81	(17.3%)	73	(15.7%)
1	30	(6.4%)	29	(6.2%)
2	14	(3.0%)	21	(4.5%)
3	9	(19.3%)	15	(3.2%)
4	12	(0.9%)	10	(2.1%)
5	6	(12.8%)	5	(1.1%)
6	4	(0.9%)	5	(1.1%)
7	2	(0.4%)	0	(0.0%)
≥8	3	(0.6%)	4	(0.9%)

(continued)

Supplementary Table SIII Continued

	Scratch (n = 467)		Control (n = 466)	
Fourth IVF/ICSI cycle				
Type of treatment (fertilization method) <sup>g</sup>				
IVF	8	(1.7%)	4	(0.9%)
ICSI	18	(3.9%)	14	(3.0%)
Unknown IVF/ICSI	1	(0.2%)	0	(0.0%)
Did not start treatment	439	(94.2%)	447	(95.9%)
Number of oocytes	6	(2.5–9)	8	(4–14.5)
Number of embryos frozen				
0	17	(3.6%)	10	(2.1%)
1	6	(1.3%)	4	(0.9%)
2	2	(0.4%)	1	(0.2%)
3	1	(0.2%)	0	(0.0%)
4	1	(0.2%)	1	(0.2%)
5	1	(0.2%)	2	(0.4%)
...	...		...	
≥8	0	(0.0%)	1	(0.2%)
Fifth IVF/ICSI cycle				
ICSI	0	(0.0%)	1	(0.2%)
Did not start treatment	467	(100%)	465	(99.8%)
Number of oocytes	...		3	(3–3)
Number of embryos frozen				
0	...		1	(0.2%)
Overall: Full follow-up period				
Total number of embryo transfers (fresh and frozen) <sup>h</sup>				
0	35		44	
1	200		191	
2	108		107	
3	64		53	
4	32		38	
5	17		23	
6	8		7	
7	2		3	
8	1		0	
Total number of embryo transfers performed per group	891		894	

Data are presented as median (IQR) or number (%). NA, not applicable.

<sup>a</sup>Data are missing for n = 42 in the scratch group and n = 66 in the control group.

<sup>b</sup>Data are missing for n = 12 in the scratch group and n = 16 in the control group.

<sup>c</sup>Data are missing for n = 14 in the scratch group and n = 18 in the control group.

<sup>d</sup>Data are missing for n = 40 in the scratch group and n = 62 in the control group.

<sup>e</sup>Data on starting dose GnRH analogue, type of pituitary down regulation and duration of stimulation was not registered for this cycle.

<sup>f</sup>Data are missing for n = 1 in the control group.

<sup>g</sup>Data are missing for n = 1 in the scratch group and n = 1 in the control group.

<sup>h</sup>Data are presented as number of participants that underwent 0, 1, 2, etc. embryo transfers. Per transfer, only one or two embryos were transferred.