Table S1 Cycle outcome data from donors using the number of stimulation cycles groups A and B

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Number of cycles | N | Mean ± SD | Median (min–max) | *P*-value |  |
| Total number of oocytes collected | Two or less  Three or more | 45  20 | 70.67 ± 10.49  90.8 ± 51.71 | 20 ( 6–51)  74 (37–243) | 0.00 | S |
| Immature oocytes | Two or less  Three or more | 32  20 | 3.031 ± 1.84  11.60 ± 5.97 | 2.5 (1–9)  10.5 ( 3–25) | 0.00 | S |
| Mature oocytes | Two or less  Three or more | 45  20 | 18.67 ± 9.89  79.2 ± 48.01 | 16 (4–46)  62.5 (28–225) | 0.00 | S |

N is the number of donors. Group A = oocyte donors with two or less stimulation. Group B = oocyte donors with three or more stimulation cycles. *P*-values <0.05, S = Statistical difference Mann–Whitney non-parametric test.

Table S2 Cycle outcome of donors according to the number of stimulation cycles

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Number of stimulation cycles | N | Mean ± SD | Median (min–max) | *P*-value |  |
| Fertilization rates | Two or less  Three or more | 45  20 | 12.86 ± 7.84  54.15 ± 33.83 | 11 (3–37)  42 (22–147) | 0.00 | S |
| G1 embryos | Two or less  Three or more | 44  20 | 6.79 ± 5.14  26.25 ± 20.82 | 6 (1–6)  15 (7–78) | 0.00 | S |
| G2 embryos | Two or less  Three or more | 39  20 | 3.31 ± 2.09  10.8 ± 6.53 | 3 (1–11)  10 (2–25) | 0.00 | S |
| G3 embryos | Two or less  Three or more | 28  20 | 3.14 ± 2.58  9.9 ± 7.12 | 2.5 (1–13)  8 (2–28) | 0.00 | S |
| G4 embryos | Two or less  Three or more | 8  12 | 2.75 ± 2.71  3.17 ± 3.13 | 1.5 (1–8)  2 (1–15) | 0.444 | NS |
| Arrested embryos | Two or less  Three or more | 19  19 | 2.42 ± 1.30  4.32 ± 4.39 | 2 (1–5)  3 (1–17) | 0.227 | NS |
| Implantation rates | Two or less  Three or more | 36  20 | 1.61 ± 0.67  5.0 ± 2.85 | 1 (1–4)  1 (1–14) | 0.00 | S |

N = is the number of donors. Group A = oocyte donors with two or less stimulation cycles. Group B = oocyte donors with three or more stimulation cycles. NS = No statistical difference; S = Statistical difference Mann–Whitney test.

Table S3 Cycle outcome data of donors using the number of oocytes collected, groups C and D

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Number of oocytes collected | N | Mean ± SD | Median (min–max) | *P-*value |  |
| Immature oocytes | Fifteen or less  Sixteen or more | 20  45 | 10.65 ± 2.62  49.13 ± 46.16 | 10 (5–15)  37 ( 14–225) | 0.00 | S |
| Mature oocytes | Fifteen or less  Sixteen or more | 12  40 | 2.17 ± 1.40  7.58 ± 5.98 | 2 (1–5)  5.5 ( 1–25) | 0.00 | S |
| Fertilization rate | Fifteen or less  Sixteen or more | 20  45 | 7.5 ± 2.37  3.62 ± 29.97 | 8 (3–12)  25 (7–147) | 0.00 | S |

N = number of donors, Group C = 15 or lesser, Group D = 16 or more, *P-*value 0.05, S = Statistical difference Mann–Whitney test.

Table S4 Cycle outcome data of donor using the number of oocyte collected, groups C and D

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Number of oocyte collected | N | Mean ± SD | Median (min–max) | *P-*value |  |
| G1 embryos | Fifteen or less  Sixteen or more | 19  45 | 4.32 ± 2.47  16.44 ± 16.88 | 4 (1–9)  10 (1–78) | 0.00 | S |
| G2 embryos | Fifteen or less  Sixteen or more | 15  44 | 2.13 ± 0.83  7.11± 5.77 | 2 (1–4 )  5.5 (1–25) | 0.00 | S |
| G3 embryos | Fifteen or less  Sixteen or more | 8  40 | 1.88 ± 1.13  6.75 ± 6.24 | 5.5 (1–25)  4 (1–28) | 0.00 | S |
| G4 embryos | Fifteen or less  Sixteen or more | 4  16 | 1.25 ± 0.5  3.44 ± 3.09 | 1 (1–2)  2 (1–12) | 0.061 | NS |
| Arrested embryos | Fifteen or less  Sixteen or more | 5  33 | 2.8 ± 1.79  3.45 ± 3.55 | 3 (1–5)  2 (1–17) | 0.982 | NS |
| Implantation rates | Fifteen or less  Sixteen or more | 12  44 | 1.42 ± 0.67  3.2 ± 2.58 | 1 (1–3)  2 (1–14) | 0.03 | S |

N = is the number of donors. Group C = Fifteen or lesser number of oocytes collected. Group D = Sixteen or higher number of oocytes collected. NS = No statistical difference, S = Statistical difference Mann–Whitney non-parametric test.