**Table 3:** Semen parameters, fertilization, and embryo cleavage rates stratified by sperm concentration. Values are presented as medians with interquartile 25-75% in parentheses or percentage for fertilization and embryo cleavage rate.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sperm Concentration (M/ml)** | **Volume of ejaculate (ml)** | | **Sperm count (M/ml)** | | **Sperm motility (%)** | | **Fertilization rate (%)** | | **Cleavage rate (%)** | |
| **IVF** | **ICSI** | **IVF** | **ICSI** | **IVF** | **ICSI** | **IVF** | **ICSI** | **IVF** | **ICSI** |
| **0-19.9** | 2.5  (0.5-7.0) | 2.5  (0.6-12.0) | 14.7  (2.5-19.9) | 6.1  (0.1-19.9) | 66.0  (29.4-93.0) | 35.0  (0.1-100.0) | 61.84 | 53.36 | 94.10 | 96.50 |
| **20-99.90** | 3.0  (0.5-8.0) | 2.5  (0.1-8.0) | 50.0  (20.0-99.9) | 40.6  (20.0-98.7) | 69.0  (24.0-97.2) | 61.0  (1.0-92.0) | 63.57 | 52.77 | 96.48 | 96.97 |
| **100-150** | 2.3  (0.2-6.0) | 2.0  (0.3-9.0) | 119.8  (100.0-147.0) | 114.2  (100.0-149.0) | 82.0  (32.0-92.0) | 77.0  (2.0-95.0) | 64.18 | 56.62 | 95.02 | 95.65 |
| **> 150** | 2.3  (1.0-5.0) | 2.0  (1.0-6.0) | 168.3  (150.0-198.5) | 162.0  (151.8-197.5) | 84.0  (60.0-97.3) | 68.0  (12.0-92.0) | 61.17 | 53.05 | 93.68 | 95.40 |

IVF: *In Vitro* Fertilization group; ICSI: Intracytoplasmic Sperm Injection group.