

Case requirements for a residency or individual training programme in Biotechnology of Reproduction
(*clinically oriented*)

| Procedure | Number of cases to be seen by resident |
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| Semen collection | 50 |
| Semen analysis (routinary spermiogram) | 70 |
| Analysis of functional integrity of spermatozoa (e.g. plasma membrane and acrosome) | 30 |
| In vitro sperm-oocyte interaction (Zona Binding assay etc.) | 10 |
| Semen cooling | 50 |
| Semen freezing | 50 |
| Determination of cycle stage, detection of oestrus and ovulation | 30 |
| Hormonal induction/synchronisation of oestrus and ovulation | 30 |
| Artificial insemination (technique, management) | 50 |
| Embryo collection | 30 |
| Embryo transfer | 30 |
| Ovum pick up | 10 |
| Collection and selection of oocytes | 50 |
| In vitro embryo production (IVM/IVF/IVC, ICSI) | 40 |
| Assessment of IVM and IVF rates | 30 |
| Assessment of developmental rates and embryo quality | 30 |
| Slow freezing oocytes/embryos | 30 |
| Vitrification oocytes/embryos | 30 |
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| <i>Total minimum number of cases to be seen by the resident</i> | 650 |