

LECTURE TOPICS FOR FELLOWSHIP PROGRAMME

1) Anatomy: (Male and Female genital tract) & Physiology: (Menstrual cycle/ Ovulation)
2) Endocrinology: Relevant to human reproduction–Pituitary hormones/ Thyroid function/ Control of reproduction and Implantation/ Hirsutism
3) Andrology: (Spermatogenesis, Semen Analysis Components, Sperm function tests)
4) Embryology: (Cell cycle, Gametogenesis, Fertilization & cleavage structure of sperm and oocytes)
5) Work up of infertile couple : History taking, examination, investigation, imaging
6) Tubal factor infertility
7) Anovulation with stimulation protocol
8) Endometriosis
9) Uterine factors : Fibroid, mullerian anomaly
10) Drugs used in infertility (At least 2 lectures)
11) Unexplained infertility and IUI (At least 2 lectures)
12) IVF: protocols , monitoring , trigger (At least 2 lectures)
13) Problems in IVF : empty follicle syndrome, fertilization failure, stalling of growth, OHSS
14) OPU and ET
15) Frozen embryo transfer & Luteal phase support (At least 2 lectures)
16) Poor ovarian responders and adjuncts
17) Recurrent implantation failure and adjuncts
18) Setting up of IVF lab
19) Equipment of IVF lab
20) Culture system
21) Semen analysis and sperm function tests , Semen preparation techniques
22) Male factor: evaluation & management
23) Azoospermia and severe male factor infertility
24) Fertility preservation
25) Immunofertility
26) Advances in embryology
27) COC grading, zygote and embryo grading
28) Embryology part of OPU, ICSI, ET
29) Ethics in ART, ART bill, Surrogacy

Total 32 lectures.

