

Course-C



Embryology and Andrology Course content

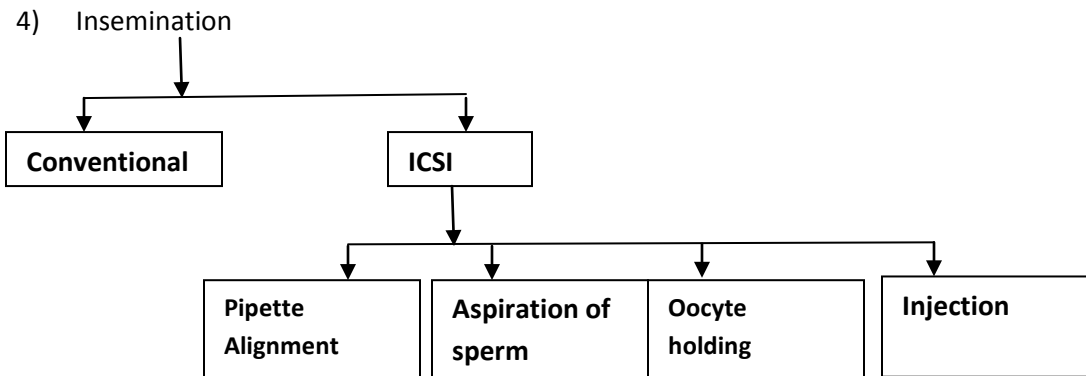
Starting from 16th July 2018

Theory Class of embryology training

- 1) Oogenesis
- 2) Oocyte Morphology
- 3) IVF Lab set up
- 4) Quality control & Quality Assurance of IVF Laboratory
- 5) Culture procedure from d0-d5
- 6) Assessment of Embryo/Blastocyst – Morphology
- 7) Trouble Shooting in the IVF Lab
- 8) Recent Advancement in the IVF Lab
- 9) Different Culture Media
 - a. When to use?
 - b. Why to use?
 - c. How to use?
- 10) Oocyte / Embryo Cryopreservation / Vitrification
- 11) How to select best quality oocyte/embryo or Blastocyst - describe different methods of selection
- 12) ICSI – How to proceed?
- 13) Assisted Hatching and Embryo Biopsy
- 14) PGD /PGS
- 15) Embryo Loading Techniques and measures to be taken during embryo transfer From Embryologist's point of view
- 16) In-vitro maturation – Its relation in current perspective

Hands on training in Embryology

- 1) Oocyte identification
- 2) Oocyte manipulation
- 3) Oocyte Denudation



- 5) Pronuclear Assessment on D1
- 6) Morphological Assessment of Embryos (d2 – d5)
- 7) Vitrification - Oocyte/Embryo/Blastocyst
- 8) Embryo loading practice

Theory Class of andrology training

- 1) Spermatogenesis
- 2) Human Sperm – An unique cell
- 3) Basic Semen Analysis
- 4) Different sperm function tests
- 5) DNA fragmentation and its implication
- 6) Different sperm preparation
Techniques - When to choose the specific method and why
- 7) Sperm Cryopreservation/Vitrification
- 8) How to select Best sperm for fertilization
- 9) Different surgical procedure for sperm retrieval before ICSI in Azoospermia
- 10) WHO Lab Manual – Importance of inclusion of ROS as one of the sperm parameters
- 11) Role of Antioxidants and nutraceuticals in protecting sperm health
- 12) Factors affecting sperm health – what are the solution?

Hands on training in Andrology

- 1) Semen Analysis by Makler's Chamber
- 2) Sperm preparation techniques
- 3) Different sperm function test
- 4) Halo Sperm Test
- 5) Sperm Cryopreservation

**Course Duration: 3 weeks (Monday to Friday Timing: 10AM – 5PM
Saturday Timing: 10AM – 1PM)**

Course Fees: Rs 50,000/-

Faculty Members

1. Dr B N Chakravarty
2. Dr Gita Ganguly Mukherjee
3. Dr Ratna Chattopadhyay
4. Dr Shakuntala Banerjee
5. Dr S.K Goswami
6. Dr Sanghamitra Ghosh
7. Dr N J Gupta
8. Dr Sunita Sharma

Guest Speaker

1. Dr Varsha Samson Roy
2. Dr Arup kumar Majhi

Hand-on

1. Dr Ratna Chattopadhyay
2. Dr Shakuntala Banerjee
3. Dr Protip Chakraborty
4. Ms Gunja Bose
5. Ms Manisha Goswami
6. Mr Sudin Roy

Please send your application along with CV mentioning the name of course name (embryology & andrology or Course-C) to the following email id:

irmtrainingcourse@gmail.com