

## **Indigo Womens Center Fellowship Programs:**

### **Laparoscopy and Reproductive Medicine 3 mth. fellowship program:**

3-month course

Maximum 2 candidates

Only for gynaecologists

Course fee 70,000 INR (1200 \$ for foreign delegates)

#### ***Details of course:***

Reproductive Medicine:

Observation in OP, learning protocols

Discussion on protocol usage

Observation in OT for Egg collection / Embryo transfer

Evening discussion on OT protocol (once a week)

Laparoscopy:

Observation in the OT

Washing up for vaginal end

Washing up for camera end

Structured sessions for OT training

## **Laparoscopy and Reproductive Medicine 6 mth. fellowship program:**

6-month course

Maximum 2 candidates

Only for gynaecologists

Course fee 1,50,000 INR ( 2000 \$ for foreign delegates)

Monthly stipend: 15,000 INR

Working hours 8 am to 5 pm

### ***Details of course:***

Attending surgery

Observation in the OT

Washing up for vaginal end

Washing up for camera end

Structured sessions for OT instrument training

Structured sessions for OT preparation

Laparoscopy sessions

History / Ergonomics / Equipment / Instrument introduction

Port placement

Suturing techniques

Energy Sources

Ergonomics

Hysteroscopy hands on for all patients for TLH

Handling parts of procedure individually.

Advanced Gynaec. procedures - step by step.

Management of complications

Introduction to Robotics

Basics in IVF

## **Reproductive Medicine and Laparoscopy 1 yr. fellowship program:**

1-year course

Maximum 1 candidate

Only for gynaecologists

Course fee 2,00,000 INR ( 2000 \$ for foreign delegates)

Monthly stipend: 35,000 INR

Training hours 8:00 am to 5:00 pm

(Trainees are expected to do 7 duties/mth and attend obstetric cases)

### ***Details of course:***

Observation/IVF history taking in OP

Detailed explanation of protocols (IUI/ICSI)

Observation for IUI

Handling IUI

Observation in OT for Egg collection / Embryo transfer

Observation in USG room for Follicular monitoring

Observation in Embryology room for ICSI and Clean room practices

Handling fertility enhancing surgeries

Handling diagnostic hystero-laparoscopies

Minimum requirement to complete the fellowship program:

2 Paper publications in National Journal

1 Paper publication in International Journal

Should pass the exit exam.

## **Reproductive Medicine fellowship objectives**

- 1.To assess student's basic understanding of ART (assisted reproductive technologies)
- 2.To assess student's interaction with patients and their potential to counsel patients regarding various treatment options in ART
- 3.To help students understand and handle OT and Embryology instruments
- 4.To assess student's understanding of the indications and contraindications of various ART procedures.
- 5.Ultrasound sessions to understand follicular monitoring and maturation studies.
- 6.Various investigations required for complete assessment of couples suffering from infertility
- 7.Andrology preparation of semen for analysis, washing and semen freezing
- 8.To assess student's understanding of various protocols and follicular monitoring.
- 9.To learn about prevention of OHSS and to manage it.
- 10.To learn about management of PCOS and stimulation of these patients.
11. To assess student's understanding of oocyte retrieval using conventional and aspirator methods.
- 12.To assess student's culture dish preparation.
13. To assess student's understanding in gamete handling and ICSI
- 14.Hands on loading of non-gamete cells into the catheter.
15. Luteal support protocols for ET.
- 16.Basic understanding of hormones and their interactions
17. Basics of male infertility
- 18.To assess student's handling of instruments in OT.
- 19.To assess student's handling of tissues
20. To assess student's knowledge of the various aspects involved in clinical establishment of an ART center.

## **Laparoscopy Fellowship Objectives**

- 1.To assess student's basic understanding of gynaecological surgery
- 2.To help the student's understanding of history taking and patient followup
- 3.To assess student's individual skill of handling laparoscopic equipment and using ergonomics to correct his/her surgical technique for maximum efficiency.
- 4.To assess student's post operative care and management.
- 5.To assess student's knowledge in the latest advancements and providing material to aid further learning.
- 6.To assess student's skill to guide newer fellows and students in minimal access surgery.
- 7.To explain to the students, the various indications, contraindications and complications which can be encountered during surgery and means to prevent them.
- 8.To assess student's understanding of ergonomics
- 9.To assess student's understanding of the insufflator , light source , camera head and camera system
- 10.To assess student's knowledge of the various aspects involved in establishing a full fledged OT .

## **Training Lectures for Laparoscopy:**

1. History of Laparoscopy
2. Advantages, Disadvantages and Errors in Laparoscopy
3. Ergonomics
5. Access techniques, port placement – Hasson, Scandinavian, Verress
6. Visiport, optical needle – Baseball diamond, the moving triangle
7. Instruments – graspers, dissectors, scissors
8. Instruments Special – Bipolar, monopolar, harmonic, thunderbeat , etc.
9. Camera, Light source, Optics – Rod lens, 1 chip, 3 chip, 6 chip, HD/SD ,3D – Xenon, halogen, LED light source.
10. Insufflator, Hysteroscopic, Cystoscopic infusion pump system.
11. Energy Sources
12. OT extras– pumps, stirrups, manipulators.
13. Tissue approximation – Roaders, Meltzers, Dundie, Figure 8,
14. Horizontal mattress, noodle stitch, extracorporeal knots.+ sutures and mesh
15. SILS / NOTES / Newer access techniques
16. Tissue retrieval techniques and port closure
17. Diagnostic lap and minor procedures – with dye injectors
18. Tubal reversal + cannulation
19. Total Laparoscopic Hysterectomy + Manipulation techniques
20. Myomectomy – cervical fibroid
21. Fistulas – VVF, RVF
22. TVT / TOT procedures
23. Ectopic
24. Oophorectomy
25. Endometriosis; Pre sacral neurectomy
26. Burch, para vaginal repair
27. Suspension procedures
28. Hysteroscopic procedures – Media, TCRE, polypectomy,
29. Hysteroscopic metroplasty , morcelation , Complications .
30. Laparoscopic (Gynec.) Disaster management – Bowel, bladder and
31. large vessel injuries.

- 32.Video editing workshop
- 33.ROBOTIC MASTERCLASS
- 34. ANATOMY + RETROPERITONEAL anatomy

**Training Lectures for Reproductive Medicine :**

- History of Fertility Medicine
- History taking
- Examination / Investigation
- Pt. Selection
- Counselling
- Ovulation Induction
- Protocols
- TVS – folliculometry
- Semen analysis
- CASA
- IUI
- Drugs in ART
- Immunology in Infertility
- ICSI
- FET
- PCOD
- OHSS Treatment & Prevention
- Donation –oocyte, sperm + Freezing
- Male infertility - SSR
- Fertility enhancing lap. surgeries
- Poor responders / recurrent ICSI failure
- PGD / PGS
- Time-lapse
- SETUP unit / air quality
- Intralipid / GCSF /Growth Hormone
- Three Parent IVF
- Surrogacy Laws in India

Certificate will be issued from our centre once the finishing criteria are met

Kindly mention your qualification and additional degrees if any and send it to [indigowomenscenter@gmail.com](mailto:indigowomenscenter@gmail.com)

Expenses for travel, stay and food is not included.

Accommodation can be arranged depending on your budget.

*Contact Details*

*Email:*

[indigowomenscenter@gmail.com](mailto:indigowomenscenter@gmail.com)

*Phone:*

*Dr. Surakshith (Program co-ordinator)*

*+919551091555*

*Indigo women's Center*

*no.995 B, H Block*

*2nd avenue*

*Anna nagar*

*Opp. To NAC Natella Jewellery*

*next to HDFC bank*

*Chennai- 40*

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