

Krishna Institute of Medical Sciences Karad.

Programme name: Fellowship in Minimal Access Surgery (Gynecology)

Programme code: 1718

Course code: 1718-11

- **Title of the course:**

Fellowship in Minimal Access Surgery (Gynecology)

- **Preamble:**

Traditionally all surgeries in Gynecology were done by open method. There are many disadvantages of open surgery like more blood loss, prolonged surgeries, more post operative pain. All these disadvantages can be overcome with endoscopic or minimal access surgery. Minimal access surgery can be used in almost all the gynecological conditions. Now robotic endoscopic surgery is a recent addition to this. Advanced training in this surgical area is required for achieving excellence in gynecology practice. Hence, the Fellowship program in Minimal Access Surgery is started.

- **Objectives:**

- 1) To gain knowledge of basic and advanced endoscopic procedures and various technology of minimal invasive therapy.
- 2) To perform safe laparoscopic and hysteroscopic surgeries
- 3) To learn role of diagnostic laparoscopy and hysteroscopy in various clinico pathological conditions vis -a – vis conventional surgeries.
- 4) To practice ethical and evidence based medicine.

- **Duration:** One Year

- **Annual Intake:** One Fellow

- **Eligibility:**

The candidate applying for the course should have successfully completed MD/MS, DNB in subject of Gynaecology in MCI / NBE approved institution.

- **Fee:** As per University policy

- **Selection method:** Entrance Examination conducted by the University
- **Faculty:** Dr. Pravinchandra Hendre, Dr. Digvijay Kadam
- **Infrastructure:** well equipped endoscopy O.T., Lecture hall, Clinical Demo room
- **Contributing department:** Obstetrics and Gynecology
- **Medium of Instruction:** English
- **Attendance:** 75%
- **Syllabus/Course content:**
 - Theoretical basis of various laparoscopic and hysteroscopic surgeries.
 - Surgical anatomy of pelvis and abdomen.
 - Surgical techniques of various operative procedures.
 - Indications, contraindications and limitation of the procedures.
 - Knowledge of all endoscopic instruments and equipments along with proper sterilization, maintenance and proper usage.
 - Physical and kinetic changes associated with various procedures including usage of anesthetic agents.
 - Documentation, assessment and evaluation of data.
 - Ethical, legal and social implications.

I. Theory:

List of topics to be covered:-

- Historical aspects.
- Details of surgical instruments and equipment.
- Access routes and its physical implications.
- With special reference to pneumo peritoneum.
- Sterilization techniques.
- Principals of Electrocautery and Electrosurgery including newer devices e.g. harmonic scalpel, lasers, endosutures etc.

- Anesthetic agents and techniques.
- Detection and management of complications.
- Diagnostic hysteroscopy.
- Hysteroscopic surgeries.
- Laparoscopic diagnosis of various gynaec pathologies.
- Laparoscopic diagnosis of malignancy.

II. Endoscopic surgical procedures:

- Diagnostic laparoscopy
- Laparoscopic adhesiolysis
- Laparoscopic tubal ligation.
- Laparoscopic tubal reconstructive surgery.
- Laparoscopic management of ectopic pregnancy
- Laparoscopic management of ovarian cysts.
- Laparoscopic treatment of endometriosis.
- Laparoscopic ovarian drilling
- Laparoscopic management of adnexal mass.
- Laparoscopic surgery for pelvis pain
- Laparoscopic myomectomy,
- Laparoscopic hysterectomy
- Laparoscopic colposuspension
- Laparoscopic retrieval procedures.
- Diagnostic hysteroscopy .
- Hysteroscopic surgery for Intrauterine septum, adhesions, polyps,
- Hysteroscopic myomectomy.
- Hysteroscopic Endometrial ablation and resection.
- Hysteroscopic management of tubal block

III. Externship, If Applicable:

Dr. Pravinchandra Hendre,
Rangnath Hospital & Laparoscopic Academy,
Kolhapur.

IV. The required schedule recommended:

The following operative procedures should be done at least 5 in each categories.

- Diagnostic laparoscopy
- Laparoscopic tubal ligation
- Laparoscopic tubal / adnexal surgeries.
- Ovarian Cystectomy
- Ovarian drilling
- LAVH / TLH
- Laparo-hysteroscopy

- Teaching-learning method:

Regular training session for the candidates, as follows:-

- Lectures
- Clinical Demo
- Seminar & symposia
- Ward round and case presentations
- Journal club
- Paper presentation
- Research project
- Practical training with pelvi trainers, computerized modules, simulators.
- Assisting surgeries and performing surgeries under supervision.

- Log book:

Candidate is required to maintain proper record of teaching events and experiences obtained in log book. Internal assessment will be based on the evaluation of the log book. The record will include academic activities as well as the presentations and procedures carried out by the candidates.

- Performance:

The candidates will participate as per daily assignments and the performance will be recorded in Log Book in 3 categories, to observe (O) to assist to perform under supervision (P)

- **The required schedule recommended:**

The following operative procedures should be done at least 5 in each categories.

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- Ovarian drilling
- LAVH / TLH
- Laparo-hysteroscopy

- **Evaluation:**

There will be continuous monitoring and regular assessment of all academic activities of the candidate.

Formal evaluation is done by the staff of the department based on participation of students in various teaching/learning activities. The evaluation is structured on the basic of checklists that evaluate these various parameters.

The following aspects will be assessed:

A) Theoretical knowledge:

Parameters	Below average 1	Average 2	Good 3	Very good 4
Case presentation				
Understanding op subject				
Ability to answer question				
Overall performance				

B) Clinical work in ward, OPD and OT:

Parameters	Below average 1	Average 2	Good 3	Very good 4
Attendance				
Punctuality				
Maintenance of records				
Communication with Patients with counseling				

C)Clinical and operative skill:

Parameters	Below average 1	Average 2	Good 3	Very good 4
Selection of patients				
Setting up of equipment				
Creation of Pneumoperitoneum				
Port placement				
Proper usage of Instruments				
Dissection skill				
Achieving Haemostasis				
Usage of energy sources				
Endo Suturing				

Fellowship Examination:

Theory – 100 Marks

Practical – 100 Marks

Viva – 100 Marks

Total 300 Marks**Text Book & Reference books:**

1. Sudhir Shah, Manish Pandys,
Beena Trivedi, Dipal Solankhi : Step by step gynecological endoscopy surgery
2. Shella Mehra : Gynecological Endoscopy
3. Meena Agarwal : A manual of minimally invasive gynecological surgery
4. Sunita Tandulwadkar : Practical Endoscopy tips by expert
5. Thoralf Seholmeyer : Practical manual for Laparoscopic and Hysteroscopic gynecological surgery
6. Nutan Jain : Laparoscopic surgery in infertility and gynecological Japee Gold standard mini atlas series
7. Nutan Jain : Laparoscopic suturing in gynecological
8. The SAGES manual Vol.2 Adavanced Laparoscopy and Endoscopy
9. The SAGES manual Vol. 1 Basic Laparoscopy and Endoscopy
10. Telend operative Gynecological Text book