

**KRISHNA INSTITUTE OF MEDICAL SCIENCES
DEEMED UNIVERSITY, KARAD**

***Post - Doctoral Diploma
in Gynecological Endoscopy and Minimal Access Surgery***

Eligibility : *The candidate applying for the course should have successfully completed MD/MS/DGO/DNB in subject of gynaecology in MCI approved place or NBE approved place.*

Duration of course : 6 months

Role of endoscopy has rapidly advanced in last decade and the scope has extended beyond diagnostic procedures. Advanced endoscopic surgical procedures has made its use possible in large number of conditions. Minimal access surgery is now increasing and effectively used in place of routine conventional open surgical procedures. A basic and advanced training in this surgical arena is required for achieving excellence in gynaec practice.

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.*

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 anaesthetic 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.*
- *Anaesthetic 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*

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 (A) to perform under supervision (P)

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*

Training methods :

Regular training session for the candidates, as follows :-

- *Lectures*
- *Video demonstrations*
- *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.*

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 basis of checklists that evaluate these various parameters.

The following aspects will be assessed:-

A) Theoretical knowledge

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

B) Clinical work in ward, OPD and OT

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

C)Clinical and operative skill

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

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.

Assessment :-

Theory :- *Comprising of 2 question papers of 50 marks each.*

Paper 1 – MCQs (50 marks)

Paper 2 – 5 short questions (50 marks)

Practical examination : 1 internal and 1 external

(Total marks – 100)