

Sri Aurobindo University, Indore

Post Doctoral Fellowship in

Gynaecological Oncology

**(Including Endoscopic and
Robotic Surgery)**



**Sri Aurobindo Medical College and PG
Institute, Indore**

2-Year Gynecological Oncology Fellowship Curriculum

Program Overview: This course will involve direct participation in the care of patients in IPD and OPD settings. It will also allow the candidate to observe/ assist/ perform various procedures in the operation theatre. Hands on laparoscopic and robotic assisted cases is the highlight of this program.

Didactic sessions including lectures, small group discussions and teaching rounds will supplement the core clinical experience. Candidates will be encouraged to take part in short-term research projects.

Duration: 24 months

Structure: Rotational (monthly/quarterly blocks)

Eligibility criteria: MD/MS/DNB Obstetrics and Gynecology.

Work experience: with or without work experience but candidates with work experience will be preferred)

Learning Objectives: At the end of two years, the candidates will acquire knowledge and expertise in the following areas of gynecologic oncology:

- Surgical anatomy of pelvis and abdomen
- Oncogenesis, molecular biology, pathology related to cancer
- Prevention: screening, treatment of premalignant lesions
- Clinical, imaging (Transvaginal and abdominal ultrasound, CT/MRI),
- Fertility sparing surgeries
- Multidisciplinary approach in planning treatment (Tumor boards)
- Selection of surgical modality and surgical techniques for management of various gynecologic cancers
- Radiotherapy
- Chemotherapy
- Pain & Palliative care
- Counseling
- Follow up strategies

Year 1 – Foundation and Core Clinical Exposure

Quarter 1 (Months 1–3): Introduction & Surgical Fundamentals

- - Orientation & Core Didactics: Principles of oncologic surgery, Tumor biology, genetics, and staging
- - Clinical Rotations: Inpatient gynecologic oncology, Outpatient clinics, Pathology (2 weeks)
- - Surgical Training: Basic laparoscopic skills (dry lab & animal/cadaver lab), Introduction to robotic systems (simulation training)

Quarter 2 (Months 4–6): Open and Minimally Invasive Surgery I

- - Clinical Rotations: Operative gynecologic oncology (focus on staging laparotomies)
- - Surgical Training: Intermediate laparoscopic procedures, assistant in robotic cases
- - Didactics: Chemotherapy principles, case-based discussions

Quarter 3 (Months 7–9): Radiation & Medical Oncology

- - Rotations: Medical oncology (1 weeks), Radiation oncology (1 weeks), pain and palliation (2 week), surgical oncology (2 weeks). Weekly tumor board participation
- - Surgical Exposure: Continue robotic/laparoscopic assist, Begin simple robotic procedures
- - Teaching: Begin small group teaching for residents

Quarter 4 (Months 10–12): Surgical Immersion

- - Rotations: High-volume surgical service
- - Surgical Training: Perform advanced laparoscopic and robotic procedures under supervision
- - Assessment: Mid-year competency evaluation, Portfolio review and feedback

Year 2 – Advanced Practice, Research, and Leadership

Quarter 5 (Months 13–15): Advanced Surgery & Autonomy I

- - Clinical Rotations: Lead surgeon on selected laparoscopic and robotic cases
- - Surgical Training: Complex procedures (e.g., Radical hysterectomy, Pelvic exenteration)
- - Didactics: Molecular targeted therapy, Palliative care
- - Leadership: Supervise junior fellows/residents

Quarter 6 (Months 16–18): Research Block

- - Research: Dedicated time to finalize projects, prepare manuscript, present at conference
- - Workshops: Clinical trial design, Grant writing, Biostatistics

Quarter 7 (Months 19–21): Advanced Surgery & Autonomy II

- - Rotations: Complex case management, Outpatient chemotherapy management
- - Surgical Role: Primary surgeon in complex robotic procedures
- - Evaluation: Mock oral board, Surgical skills OSATS

Quarter 8 (Months 22–24): Transition to Practice

- - Rotations: Elective, Career mentorship
- - Capstone: Quality improvement project, Final grand rounds

Key Components Integrated Throughout

Robotic Surgery Curriculum:

- Simulator training milestones
- Cadaver/animal labs every 6 months
- Proficiency assessment logs (case volume, performance metrics)
- Mentor-supervised credentialing path

Academic Activities:

- Weekly didactics (multidisciplinary)
- Tumor board participation
- Journal clubs (monthly)
- M&M conferences (monthly)
- Annual in-service exam

Evaluation & Feedback:

- Quarterly evaluations (360-degree feedback)
- Surgical skills logbook
- Milestone progression review
- End-of-fellowship exam:
 - Theory: (200 marks): Two papers of 100 marks each (3 hours)
 - 2 case based questions (20 marks each)
 - 6 long questions (10 marks each)
 - Paper 1: Basics of Gynecology, Oncology, Onco genetics and molecular biology, onco-pathology, principles of radiotherapy, principles of chemotherapy and surgical skills
 - Paper 2: Gynecologic malignancies: Prevention, screening, diagnosis, management and follow-up

Practicals and viva: (100 marks)

50% marks for case discussion (2 cases)

30% viva-voice

Surgery spotters (5)

Colposcopy images (2)

Images (USG/ CT/MRI) (2)

Case scenario: Plan and Counseling 2

10% marks (Related to research activity undertaken) +10% continuous assessment

Minimum Case Volume Targets

Procedure Type	Minimum Number (Suggested)
Open surgeries	50
Laparoscopic	25
Robotic	25
Chemotherapy management	50 patients
Radiation planning/exposure	20 cases