

Fellowship in Gynecologic Oncology

Overview: This course will involve direct participation in the care of patients in outpatient (OPD) setting and inpatient. It will also allow the candidate to observe/ assist/ perform various procedures in the Operation Theatre. 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.

Learning Objectives: At the end of one year, 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
- Risk scoring and screening and diagnosis of gynecologic cancers: Pap test, VIV/VILI, HPV Testing
- Diagnosis of gynecologic cancers: Clinical, imaging (Transvaginal and abdominal ultrasound, CT/MRI), tumor markers, HPV, receptor studies, colposcopy, biopsies.
- Fertility sparing options
- Multidisciplinary approach in planning treatment (Tumor boards)
- Surgical techniques for management of various gynecologic cancers
- Radiotherapy
- Chemotherapy
- Counseling
- Follow up strategies
- Prevention: screening, treatment of premalignant lesions, HPV vaccine

Topic List:

Basics of Gynecology, Oncology, Oncogenetics and molecular biology, pathology

Gynecologic cancers: cervix, endometrium, ovaries, vulva, vagina, Fallopian tubes, sarcomas gestational trophoblastic tumors and miscellaneous

- Screening
- Risk identification
- Prevention
- Diagnosis
- Treatment: surgical, chemotherapy, radiotherapy, fertility sparing management, palliation
- Follow up

Clinical and academic activities:

- Gynecologic oncology clinic outpatients: excluding the months of speciality/ external postings
- Operation theatre postings where she will assist / do surgeries under supervision.
- Minor OT and colposcopy; cryocautery/ thermocoagulation procedures; Biopsies
- Research project activities
- **Weekly classes (detailed plan of curriculum which includes case discussions, clinicopathological meetings, journal activities and seminars)**

Research project: A research project (mostly retrospective studies) will have to be conducted and submitted one month before the exit examination

Peripheral Rotation

- **Department of Surgical Oncology:** Duration: 15 days
The fellow will assist the gynecologic oncology surgeries as per the case postings.
- **Department of Radiation Oncology:** Duration: 15 days
To learn the principles, technique and follow up of women who require radiotherapy for gynecologic malignancies. The fellow will learn technical and procedural aspects of intracavitary radiation as well as teletherapy. She will also learn regarding the follow up and management of toxicities related to the treatment.
- **Department of Medical Oncology:** Duration 15 days
To learn the principles, technique and follow up of women who require chemotherapy for gynecologic malignancies. She will also learn regarding the follow up and management of toxicities related to the treatment.
- **External postings:** Tata Memorial Hospital, Mumbai (2 month postings)
Surgical Gyn Onco and preventive Gyn Onco (Field screening/ colposcopy clinic), tumor board discussions

Exit 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