

# Krishna Vishwa Vidyapeeth

(Deemed to be University), Karad

Curriculum for Fellowship in

## Surgical Oncology

Duration 1 year

### GOALS

At the end of the course the candidate should have acquired knowledge, skills, aptitude and attitude to be able to function as an independent clinician/ consultant and a teacher.

### OBJECTIVES

The objectives of the clinical training are:

1. Perform cancer surgery within his/her specialty with high skill and quality
2. Manage postoperative care
3. Decide on and perform adequate follow-up

### ELIGIBILITY:

Any medical graduate with MS in General Surgery qualification recognized by Medical Council of India or equivalent

### CLINICAL EXPERIENCE AND TEACHING ACTIVITIES

The fundamental components of the teaching programme should include:

1. Case presentations & discussion
2. Seminar
3. Journal club
4. Grand round presentation (by rotation departments and subspecialties)
5. Faculty lecture teaching

A trainee in Surgical Oncology has to become familiar with the basic principles of:

1. Surgery
2. Radiotherapy
3. Chemotherapy
4. Endocrine therapy
5. Immunotherapy
6. Evaluation of the choices of treatments
7. Adverse effects with these treatments
8. Interactions of these treatment modalities with those of surgery

### SYLLABUS:

The trainee in Surgical Oncology must achieve knowledge and skills in performing complex cancer operations in her/his specialty. The final aim with surgical training is to develop skills in performing RO (radical) resections, adequate diagnostic procedures, lymph node dissections and meaningful

palliative procedures. The numbers of operations are not fixed but should be guidance to what is needed to accomplish relevant skills. The trainee should have experience in the following procedures:

### 1. Breast

- a. Interpretation of mammograms and ultrasound
- b. US guided core biopsy
- c. Sentinel node biopsy techniques
- d. Breast conserving surgery
- e. Modified radical mastectomy
- f. Skin sparing mastectomy
- g. Nipple sparing mastectomy
- h. Axillary lymph node dissection
- i. Autologous tissue-based breast reconstruction

### 2. Upper GI

- a. Gastroduodenoscopy – biopsy
- b. Esophagectomies – Transhiatal, Ivor Lewis, McKeown
- c. Gastric resections, D2 LN dissection and reconstruction techniques
- d. Total radical gastrectomy + reconstruction - Partial Radical gastrectomy + reconstruction – lower & upper

### 3. Genitourinary

- a. Radical Nephrectomy
- b. Radical cystectomy with reconstruction
- c. Partial cystectomy
- d. Radical Prostatectomy
- e. Pelvic lymphadenectomy
- f. Ureteric Tumor excision with reconstruction
- g. RPLND
- h. Radical/High Orchiectomy
- i. Hemi scrotectomy
- j. Penectomy
- k. Partial/Total
- l. Inguinal/Ilio-Inguinal lymphadenectomy

### 4. Thoracic Oncology

- a. Pneumonectomy (R) & (L)
- b. Lobectomy
- c. Segmental resection
- d. Non-Anatomical resection
- e. Hilar lymphadenectomy
- f. Mediastinal Tumors resection
- g. Transhiatal Esophagectomy
- h. RAO
- i. Ivor-lewis transthoracic Esophagectomy
- j. Mckeowns three stage Esophagectomy
- k. Total Esophagectomy with three field lymphadenectomy

## 5. Bone & Soft Tissue Oncology

- a. Amputations/Disarticulation
- b. Forequarter
- c. Shoulder Disarticulation
- d. Above and below elbow Disarticulation
- e. Above and below elbow Amputation
- f. Ray Amputation
- g. Hemipelvectomy
- h. Hind quarter Amputation
- i. Extended Hemipelvectomy
- j. Above/Below Knee Amputation
- k. Hip disarticulation
- l. Symes Amputation
- m. Transmetatarsal Amputation
- n. Limb conserving procedures
- o. Wide excision with reconstruction with or without Lymphadenectomy of soft tissue and skin tumors
- p. Compartmental excision with reconstruction

## 6. Head And Neck Oncology

- a. Tracheostomy
- b. Neck Dissections
- c. Radical Neck dissection
- d. Modified neck dissections
- e. Selective neck dissections
- f. Hemi mandibulectomy
- g. Marginal mandibulectomy
- h. Alveolectomy
- i. Total Glossectomy
- j. Hemi glossectomy
- k. Composite resections
- l. Partial Maxillectomy
- m. Total Maxillectomy
- n. Orbital tumors
- o. Enucleation
- p. Exenteration
- q. Skull Base surgeries
- r. Wide field laryngectomy
- s. Conservative laryngectomy
- t. Laryngopharyngo Oesophagectomy
- u. Trchio Esophageal Prosthesis (TEP)
- v. Superficial parotidectomy
- w. Radical parotidectomy
- x. Excision of submandibular gland tumors
- y. Hemi thyroidectomy
- z. Total thyroidectomy

- aa. Wide excision & reconstruction of scalp tumor & other skin tumor of Head and Neck

### 7. Gynec Oncology

- a. Cone excision/ LEEP
- b. Radical hysterectomy for ca cervix
- c. Staging laparotomy for ca ovary
- d. Anterior / Total exenteration

### 8. Endoscopic & Laparoscopic Procedures

- a. TURPT, TURBT, Polypectomy
- b. Diagnostic & therapeutic Laparoscopic procedures Laparoscopic surgery
- c. Staging laparoscopy for GI cancer
- d. Staging laparoscopy for malignant lymphoma
- e. Laparoscopic resection of malignant tumours

### 9. Colorectal

- a. Colonoscopy - biopsy
- b. Colon resections
  - i. Right hemicolectomy
  - ii. Extended right hemicolectomy
  - iii. Left hemicolectomy
  - iv. Low Anterior Resections
- c. Rectal surgery
  - i. Abdominal perineal resection
  - ii. Total mesorectal excision
- d. Hepatic resections for colon cancer metastases

### 10. Others

- a. Melanoma and sarcoma
- b. Excision of melanoma
- c. Regional node dissection
- d. Regional perfusion
- e. Surgery of abdominal sarcomas
- f. Surgery of trunk and limb sarcomas

### ASSESSMENT:

- Theory examination (200 marks): Two papers of 100 marks each
- Practical Examination (200 marks): Long case structured assessment, Short case structured assessment, OSCE/ OSPE examination,
- Oral structured viva voce examination
- Logbook



**Duration of the Program : 1 year**

**Tuition Fee of the Program : USD 2000**

