



**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**

***(POST GRADUATE)***

**FACULTY OF MEDICINE**

**Medical Oncology**

## **I. INTRODUCTION**

Surgical Oncology is a recognized Super-specialty in General Surgery. With the increasing incidence of cancer in our country and with improved methods of management of cancer in the last two decades, it has become very essential to have trained Surgical Oncologists for comprehensive care of the cancer patient.

## **II. AIMS & OBJECTIVES**

The main aim of the training program is to ensure that at the end of 3 years training, the candidate should be acquainted with comprehensive management, research methodology including medical statistics and must:

- 1) Be an independent Consultant / Clinician / Teacher in Surgical Oncology.
- 2) Be a teacher in the discipline, acquainted with current literature on relevant aspects of basic, investigation and clinical oncology.
- 3) Take up research projects in the discipline either clinical or basic aspects as applied to clinical trials with reference to common cancers in our country.
- 4) Render medical care to the individual and the community, integrating preventive, diagnostic, curative and palliative aspects with adequate understanding of socio-cultural aspects of the community and knowledge of the epidemiology of common neoplastic disorders in India.

## **III. NAME OF THE COURSE**

**M.Ch. (Surgical Oncology)**

## **IV. ELIGIBILITY**

M.S. (General Surgery)  
M.S. (ENT)  
M.S. (Orthopedics)  
M.D. (Gynaec)

## **V. DURATION OF COURSE**

Three Years.

## **VI. No of Seats**

As specified from time to time

## **VII Selection of Candidates**

An entrance test will be conducted by the Competent Authority and the admission to the course will be on the basis of merit list prepared on the basis of this test.

## **VIII Teacher**

All eligible faculty members as prescribed by Maharashtra University of Health Sciences, Nashik of the Dept of Surgical Oncology will be teachers in rotation, subject to approval by the University. One student will be registered under one teacher, in rotation.

## **IX Place of Course**

The course will be conducted at affiliated Medical Colleges / Recognized Institutes.

## **X. TYPE OF COURSE**

The selected candidates will undergo a three year residential training as Residents / Trainees at the affiliated Medical Colleges / Recognized Institutes as follows.

1. 1<sup>st</sup> year – 2 month rotation in the various major surgical specialty services in the Dept. of Surgical Oncology as a 1<sup>st</sup> year residents.
2. 2<sup>nd</sup> & 3<sup>rd</sup> year – 4 month rotation in six major surgical specialty services in the Dept. of Surgical Oncology as Senior Residents / Trainees.
3. In the 2<sup>nd</sup> & 3<sup>rd</sup> year the students will also rotate in the following specialties:
  - a) Medical Oncology – 3 Weeks
  - b) Radiation Oncology – 3 Weeks
  - c) Onco – Pathology – 1 Week
  - d) Radiology – 1 Week
  - e) Basic Research – 3 weeks
  - f) Stoma /Pain/ Rehabilitation Clinics – 1 weeks

## **XII. TEACHING SCHEDULE**

### **A. Clinical:**

- 1) **Outpatient Teaching Schedule:** The Post Graduate students will attend outpatient clinics as per the schedule of the unit assigned to them.
- 2) **Teaching Ward Rounds:** In addition to daily ward rounds will be conducted by the consultant.
- 3) **Operation Theatres:** The Post Graduate students will attend the operation theatres as per the schedule of the assigned unit where they will assist in or perform operations under supervision.

### **B. Academic:**

The Post Graduate will attend and actively participate in the following academic activities:

- 1) Formal course of lectures as fixed by the Dept. for the three-year course to cover the entire syllabus.
- 2) Case presentations.
- 3) Seminar / journal club of each specialty service.
- 4) Weekly Hospital Clinical Meetings.
- 5) Mortality meetings.
- 6) All Seminar / Conference / Workshop conducted by the Department.

### **XIII. INTERNAL ASSESSMENT**

- 1) A Postgraduate student Logbook will be maintained as prescribed by the University.
- 2) A Log book of operations assisted in and performed will be maintained & periodically signed by the teacher (computerized).

**Internal assessment will be carried out while student rotates through each subspecialty (Head/neck, breast, thoracic, Gastro-intestinal, genitourinary, gynecology, bone & soft tissue, neurosurgery and paediatric oncology services)**

### **XIV. SYLLABUS**

Syllabus shall comprise in three parts:

- 1) Basic principals in Oncology
- 2) Clinical practice of Surgical Oncology
- 3) Recent Advances in Oncology

### **XV. ELIGIBILITY FOR EXAMINATION**

The candidate will be eligible to appear for the M. Ch. Examination in Surgical Oncology conducted by the University only after certification of the following:

- 1) Completion of three years of Resident training.
- 2) Satisfactory attendance at Clinical / Academic sessions as duly certified on the logbook by the teacher. A minimum attendance of 85 % is mandatory.

### **XVI. EXAMINATION**

**1) Periodicity:** The M. Ch. Examinations will be held once or twice a year as prescribed by the University.

**2) Theory:** There will be Four theory papers & shall also consist of MCQ questions:

- a) Paper I : Basic Sciences.
- b) Paper II : Principles of Oncology
- c) Paper III : Clinical practice of Surgical Oncology.
- d) Paper IV : Recent Advance in Oncology.

**3) Clinical:**

- a) One long case : Discussions
- b) Two short case with clinical ward rounds : Discussions

**4) Board of Examiners:**

Four Examiners: Two internal & two external  
All examiners shall be Surgical Oncologists.

## **5) Assessments of candidates & Results:**

- a) Assessment of theory, clinical, practical and viva–voce examination shall be done jointly by all the examiners.
- b) A candidates shall be declared to have passed the examination if he /she has an adequate knowledge in all subjects as answered by Theory / clinical / practical and viva–voce examination and there shall be no classification or ranking of successful candidates. However, candidates of excellent performance could be recommended for award for distinction.
- c) A candidates who fails in an examination shall appear as a casual student for subsequent examination.
- d) The Board of examiners shall have the power to refer failed candidates for one year or to put in attendance for one term i.e. Six months before appearing for the ext examination.



**DETAILS OF ACADEMIC ACTIVITIES**  
**SUMMARY OF THESIS (FOR STUDENTS)**

**PROJECTS UNDERTAKEDN**

**CLINICAL**

**BASIC SCIENCE**

## **PRESENTATIONS**

**IN HOUSE (Dates & Topic)**

DEPARTMENTAL

INSTITUTIONAL\_

**NATIONAL MEETINGS (Dates & Topic)**

**INTERNATIONAL MEETINGS (Dates & Topic)**

## PUBLICATIONS (DETAILS)

### SUMMARY OF ACADEMIC ACTIVITIES

#### PRESENTATIONS

IN HOUSE  
NATIONAL MEETINGS  
INTERNATIONAL MEETINGS

TOTAL NUMBERS

#### PUBLICATIONS

ORIGINAL ARTICLES  
REVIEW  
CASE REPORTS

INDEXED    NON-INDEXED

**AWARDS AND HONORS**

**ANY OTHER INFORMATION RELEVANT TO YOUR SURGICAL TRAINING**









**ASSESSMENT**

<b><i>Annual Appraisal of clinical &amp; academic performance: First Year</i></b>
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	ATTRIBUTE	MEAN SCORE **
1	Breadth of knowledge	/ 5
2	Depth of knowledge	/ 5
3	Application of knowledge	/ 5
4	Keeness to learn more	/ 5
5	Logical thinking	/ 5
6	Decision making (speed)	/ 5
7	Decision making on difficult cases	/ 5
8	Overall reliability	/ 5
9	Practice of evidence based medicine	/ 5
10	Observational power	/ 5
11	Hard working	/ 5
12	Treatment planning procedures	/ 5
13	Assessment of patients	/ 5
14	Bedside procedures	/ 5
15	Surgical Techniques	/ 10
16	Beside manners & communication with patients	/ 5
17	Communication with seniors or colleagues	/ 5
18	Compassionate approach	/ 5
19	Common sense approach	/ 5
	<b>Total of the above mean scores</b>	<b>/ 100</b>
	<b>Annual Internal Assessment – Theory</b>	<b>/ 50</b>
	<b>Annual Internal Assessment – Practical</b>	<b>/ 50</b>
	<b>FINAL SCORE</b>	<b>/ 200</b>

**\*\* Mean Scores:** This is the calculated mean of the scores received for these attributes by the trainee from each consultant he /she worked during that year and the ward Incharge. The original scores used for calculating the mean are recorded in the confidential file for each trainee

	Name	Signature	Date
<b>TRAINEE</b>	_____	_____	_____
<b>TEACHER</b>	_____	_____	_____
<b>HEAD OF DEPT.</b>	_____	_____	_____

**Annual Appraisal of clinical & academic performance: Second Year**

	<b>ATTRIBUTE</b>	<b>MEAN SCORE **</b>
1	Breadth of knowledge	/ 5
2	Depth of knowledge	/ 5
3	Application of knowledge	/ 5
4	Keeness to learn more	/ 5
5	Logical thinking	/ 5
6	Decision making (speed)	/ 5
7	Decision making on difficult cases	/ 5
8	Overall reliability	/ 5
9	Practice of evidence based medicine	/ 5
10	Observational power	/ 5
11	Hard working	/ 5
12	Treatment planning procedures	/ 5
13	Assessment of patients	/ 5
14	Bedside procedures	/ 5
15	Surgical Techniques	/ 10
16	Beside manners & communication with patients	/ 5
17	Communication with seniors of colleagues	/ 5
18	Compassionate approach	/ 5
19	Common sense approach	/ 5
	<b>Total of the above mean scores</b>	<b>/ 100</b>
	<b>Annual internal Assessment – Theory</b>	<b>/ 50</b>
	<b>Annual internal Assessment – Practical</b>	<b>/ 50</b>
	<b>FINAL SCORE</b>	<b>/ 200</b>

**\*\* Mean Scores:** This is the calculated mean of the scores received for these attributes by the trainee from each consultant he /she worked during that year and the ward Incharge. The original scores used for calculating the mean are recorded in the confidential file for each trainee

	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>TRAINEE</b>	_____	_____	_____
<b>TEACHER</b>	_____	_____	_____
<b>HEAD OF DEPT.</b>	_____	_____	_____

**Annual Appraisal of clinical & academic performance: Third Year**

	<b>ATTRIBUTE</b>	<b>MEAN SCORE **</b>
1	Breadth of knowledge	/ 5
2	Depth of knowledge	/ 5
3	Application of knowledge	/ 5
4	Keeness to learn more	/ 5
5	Logical thinking	/ 5
6	Decision making (speed)	/ 5
7	Decision making on difficult cases	/ 5
8	Overall reliability	/ 5
9	Practice of evidence based medicine	/ 5
10	Observational power	/ 5
11	Hard working	/ 5
12	Treatment planning procedures	/ 5
13	Assessment of patients	/ 5
14	Bedside procedures	/ 5
15	Surgical Techniques	/ 10
16	Beside manners & communication with patients	/ 5
17	Communication with seniors of colleagues	/ 5
18	Compassionate approach	/ 5
19	Common sense approach	/ 5
	<b>Total of the above mean scores</b>	<b>/ 100</b>
	<b>Annual internal Assessment – Theory</b>	<b>/ 50</b>
	<b>Annual internal Assessment – Practical</b>	<b>/ 50</b>
	<b>FINAL SCORE</b>	<b>/ 200</b>

**\*\* Mean Scores:** This is the calculated mean of the scores received for these attributes by the trainee from each consultant he /she worked during that year and the ward Incharge. The original scores used for calculating the mean are recorded in the confidential file for each trainee

	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>TRAINEE</b>	_____	_____	_____
<b>TEACHER</b>	_____	_____	_____
<b>HEAD OF DEPT.</b>	_____	_____	_____

**Final Appraisal of clinical & academic performance**

	<b>Clinical / Academic Attributes</b>	<b>Internal Examination Theory</b>	<b>Internal Examination Practical</b>	<b>Log Book</b>	<b>Total Score</b>
<b>1<sup>st</sup> year</b>	<b>/ 100</b>	<b>/ 50</b>	<b>/ 50</b>	<b>-----</b>	<b>/ 200</b>
<b>2<sup>nd</sup> year</b>	<b>/ 100</b>	<b>/ 50</b>	<b>/ 50</b>	<b>----</b>	<b>/ 200</b>
<b>3<sup>rd</sup> year</b>	<b>/ 100</b>	<b>-----</b>	<b>-----</b>	<b>/ 100</b>	<b>/ 200</b>
<b>TOTAL SCORE FOR THREE YEAR TRAINING</b>					<b>/ 600</b>

**Remarks by the Teacher:**

**Remarks by the Department Head:**