

Radiotherapy & Oncology Department, KMC, Manipal

1. Why to choose MD Radiotherapy at KMC Manipal?

The department of Radiotherapy & Oncology at KMC Manipal was established in 1974, and has been running the postgraduate program- MD Radiotherapy- since 1978. Eminent national and international faculty in the field have had associations with the department.

We are we equipped with modern technology, and routinely practice Volumetric Modulated Arc Therapy (a form of Intensity Modulated Radiotherapy) and stereotactic radiosurgery (SRS, SBRT) along with routine use of Image Guidance (IGRT) with on-board cone beam CT, and image guided brachytherapy. The department also practices concurrent, adjuvant and palliative chemotherapy for solid tumors. Our department treats around 1500 patients annually, and has an optimum number of patients to provide the best of both clinical exposure and academic endeavors. The department works in close collaboration with other disciplines including specialties of Medical and Surgical Oncology and Palliative medicine; this is a rich educational experience for the student interested in Oncology.

2. Core competencies pursued during postgraduate training at Manipal

- a.** Diagnosis, evaluation, counselling, treatment, follow up and supportive care for patients with cancer.
- b.** Teletherapy treatment planning and delivery, including use of conventional planning, image based radiotherapy planning on Treatment Planning systems (ranging from 3D-CRT to Stereotaxy), use of Deep Inspiratory Breath Hold (DIBH) technique for Stereotactic Body Radiotherapy, and use of Image Guidance for patient set-up.
- c.** Hands-on experience in planning and execution of HDR brachytherapy

by various techniques, including intracavitary, interstitial, intraluminal and surface-mold brachytherapy.

d. Practice of concurrent systemic chemotherapy along with radiotherapy.

e. Participation in Multi-disciplinary tumor boards, with rich inter-disciplinary interaction on optimum management of patients with cancer.

f. Understanding of principles and practice of allied specialties including Medical and Surgical Oncology, Palliative Medicine, Radiobiology and Nuclear Medicine.

3. Career opportunities after Post graduation

Following MD Radiotherapy, the candidate has several opportunities in pursuing further academics, education and research. As with several other health care disciplines, radiation oncology has diversified into highly specialized areas; the candidate could choose to take up fellowships after the course. Alternatively, if interested, the candidate could also pursue superspecialization- DM in Medical Oncology.

Also Visit:

<https://manipal.edu/kmc-manipal/department-faculty/department-list/radiotherapy-and-oncology.html>