

## **Scope of Services**

### **Policy:**

The Director of Radiation Oncology and/or his/her designee(s), along with the assistance of all personnel within Radiation Oncology, will identify the scope of the patient care and/or services provided by Radiation Oncology.

### **Procedure:**

Primary care is to deliver a therapeutic dose of external and internal radiation with a goal of cure or palliation. Patients received for care consist primarily of patients with malignant condition. Service is provided for a few benign conditions such as heterotopic bone formation and keloid skin lesions. In the Radiation Oncology Department a certain quantity of radiation is given over a period of time in several fractions. Precisely administered radiation treatment is a basic requisite to achieve an optimum balance between the maximum probability of cure and an accepted level of complications. Ref. Criteria for Radiation Oncology in Multidisciplinary Cancer Management. NCI & NIH

All individuals who provide clinical services in Radiation Oncology have appropriate qualifications and training. Staff includes a Medical Director (board certified Radiation Oncologist), Staff Radiation Oncologist, Medical Physicist (board certified medical physicist), Medical Dosimetrist (board certified MDCB), Manager (board certified Radiation Therapist), staff Radiation Therapist, Simulation Technologist, two Practical Nurses, Information Specialist, and Administrative Assistant. This service interacts with other supporting departments providing care for cancer patients to form a multidisciplinary Oncology team. Participation in active hospital and SWOG or GOG protocols are initiated to provide care with the latest advanced therapeutic modalities and techniques.

This department provides service by the use of one linear accelerator Elekta 6 & 18 Mev unit with electrons, IMPAC Radiation Oncology Information System, External Beam & Brachytherapy Treatment Planning Systems, Gamma Knife Unit, CT Simulator (Philips), HDR (Varian), Brachytherapy Sources (Cs-137) and other radioactive sources as order by the Medical Director/ Radiation Oncologist.

Radiation Oncology Department houses the Gamma Knife Unit for the Department of Neurosurgery. Radiation Oncology also provides assistance to Neurosurgeon in treatments rendered by Neurosurgery for all Gamma Knife Procedures, Radiation Oncologist are listed as responsible authorized user. Radiation Physicists performs all equipment calibrations on the Gamma Knife unit.

Radiation Oncology Department provides services Monday through Friday, 7:30 AM to 4:30 PM with emergency service after hours, weekends, and all holidays. The medical director and a therapist are available 24 hours a day, on call after hours for any emergency situation related to the treatment of oncology patients.

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A monthly list of staff on call is available and maintained with the hospital operators.

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