

An overview of key departments at RCC

Medical Oncology



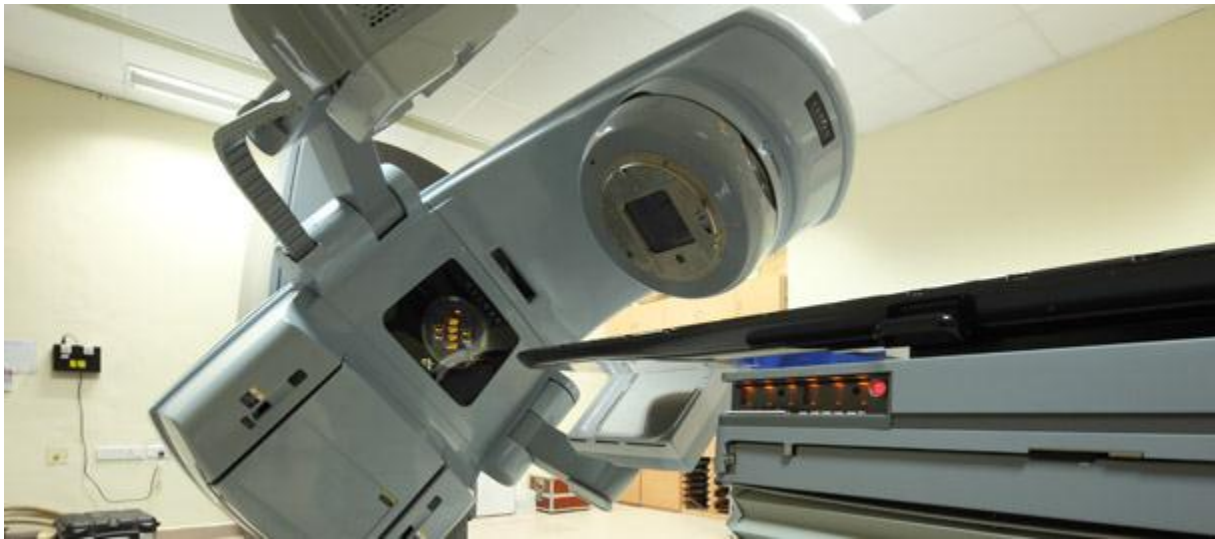
Responsible for the diagnosis and management of haematological and lymphoreticular malignancies and sarcomas under 'A' clinic. Medical Oncology specialist doctors are also responsible for the diagnosis and management of other solid tumors where chemotherapy is indicated in the Breast clinic (C), Gynaec and Genitourinary clinic (D) and Chest and Gastrointestinal clinic (E).

Anaesthesiology



The Department of Anaesthesiology plays a pivotal role in the peri-operative management of patients undergoing surgery at RCC for a variety of cancers. The department equipped with state-of-the-art equipment, provides anaesthetics for oncosurgeries of long duration including high risk cases of malignancies presenting with complications of chemotherapy and/or radiotherapy. A state-of-the-art simulation Lab has been set up with a grant from Department of Science and Technology, Govt. of India under FIST programme. Simulation based learning activities are also undertaken for both persons within the hospital and candidates from outside the institution.

Radiation Oncology



The department has the capability to plan and execute all modern radiotherapy techniques such as 3DCRT, IMRT & VMAT, IGRT, Respiratory Gating, Radio Surgery (SRS), Total Skin Irradiation, Prone breast Treatment, Deep Inspiratory breath hold technique, TBI, SRT and SBRT. It is equipped with a digital simulator, a 4D CT simulator, Five Linear Accelerators (One ring gantry Linear Accelerator, three C arm high energy and one C arm low energy Linear Accelerators) and one Tele-Cobalt machine. There is a dedicated brachytherapy suite with HDR (Microselectron) treatment facility.

Department of Surgical Services



The surgical services department houses the division of Head and Neck Surgery, Division of Surgical Oncology and Division of Gynaecological Oncology. The department is a specialized field of medicine that focuses on the surgical management of cancer. It involves the diagnosis, treatment, and prevention of various types of cancer through surgical procedures.

Department of Pathology



Pathology Department is one of the vital supportive facilities of RCC. It plays an essential role in the institution's mission to improve patient care and for early detection of cancers. Diagnostic Pathology Services include Surgical Pathology, Haematopathology and Cytopathology. In

addition to the routine laboratory services, this department is providing ancillary diagnostic techniques - Immunohistochemistry (IHC), Frozen Section reporting, Liquid Based Cytology (LBC), Flow cytometry, FISH tests and RT-PCR for diagnosis and prognostication.

Division of Cancer Epidemiology and Biostatistics



Overview

The Division of Cancer Epidemiology and Biostatistics applies, develops, and teaches the skills needed to understand the determinants of cancer and implements dedicated initiatives to :

- Increase knowledge and application of modern epidemiological and bio-statistical techniques among postgraduate students and researchers
- Increase the quality and output of research in RCC
- Provide bio-statistical consulting and statistical analysis for their scientific publication & thesis preparation
- Conduct Cancer Epidemiological Research projects in collaboration with Scientific Organizations.
- Provide reliable and a high quality cancer intelligence service through hospital and population-based cancer registries.
- Contribute methodological services to individual research projects from protocol development to project finalization

- Conduct Density mapping and environmental factors of cancer in South Kerala using Geographic Information System (GIS).

Division of Cancer Research



Division of Cancer Research is housed by a group of scientists with interdisciplinary proficiency working on different aspects of diagnostic, prognostic and therapeutic areas of oncology. Various laboratories in the Division of Cancer Research are carrying out active research in the fields of molecular and cellular aspects of tumor biology and related topics.