WELCOME

to

UNIT PERANCANGAN DAN RAWATAN RADIOTERAPI

Unit Perancangan dan Rawatan Radioterapi (UPRR) is located in the basement level of the Clinical Block at Hospital Canselor Tuanku Muhriz. The unit can be accessed via the elevator located outside the entrance of the Unit Rawatan Harian Onkologi (URHO).

Objective

- To provide radiotherapy and brachytherapy treatment services for cancer patients at HCTM for the purpose of radical or palliative cancer treatment.
- To ensure that radiotherapy and brachytherapy treatments are delivered accurately and in a timely manner.
- To establish HCTM as a recognized training center for radiotherapy and brachytherapy planning and treatment for clinical oncology postgraduate trainees and radiotherapy technologist (RTT) trainees.

What is Radiotherapy?

Radiotherapy is a medical treatment that uses high-energy radiation (X-rays) to destroy cancer cells or prevent their growth.

Purposes of Radiotherapy

- To destroy cancer cells.
- To shrink the size of a tumor before surgery.
- To treat symptoms (such as pain) caused by cancer.
- To treat internal bleeding.

Services Provided

- VMAT / IMRT Radiotherapy
- 3D-Conformal Radiotherapy
- 2D Radiotherapy
- Intracavitary Brachytherapy for Cervical Cancer
- Intracavitary Vaginal Vault Brachytherapy for Uterine Cancer

UPRR team consists of :

- Oncologist
- Radiation Therapist
- Physicist
- Nurse
- PPK

Our team is committed to providing full support in your fight against cancer alongside us.



CONTACT US

Operating Hours

Day	Time	Activities
Monday - Friday	8am - 5pm	Radiotherapy Session
Tuesday & Thursday	8am - 5pm	Simulation
Monday	9am - 11am	Weekly Review
Wednesday	2.30pm - 4pm	Weekly Review

Closing Time

Day	Time
Monday - Thursday	1pm - 2pm
Friday	12.15pm - 2.45pm
Sunday / Public Holidays	Close

Call us

Treatment Room : 03-91457958
CT Simulation 1 : 03-91455819
CT Simulation 2 : 03-91455672
Planning Room : 03-91455575
Review Room : 03-91455831
Counter UPRR : 03-91455668



Workflow

1 - Referral

-Patients are referred to the Jabatan Radioterapi dan Onkologi (JRO) at HCTM by clinical specialists such as surgeons, physicians, or oncologists.

2 - Consultation

-HCTM oncologists assess the case and discuss the treatment options.

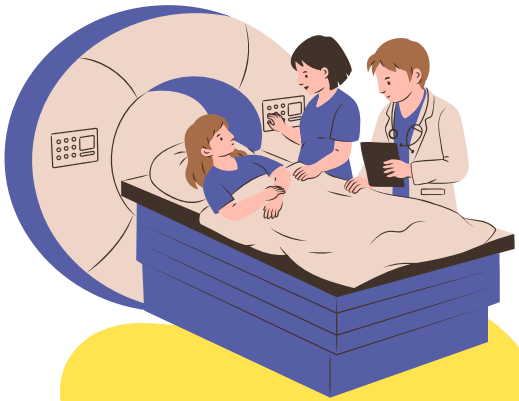
3 - Decision

-If radiotherapy is appropriate, treatment planning will begin. Patient or their next of kin who agree will sign the treatment consent form.

4 - CT - Simulation

-Radiation Therapist will obtain 3D images of the patient's body for accurate treatment planning.

- Positioning and Marking
- Immobilizer / Mold (if needed)
- CT Images will be taken



5 - Treatment Planning

-The medical physicist designs the treatment plan based on the patient's anatomy.

- Contouring (Target / Organs at Risk)
- Dosimetry / Dose Calculation
- Plan Quality Assurance (QA)
- Specialist Approval



6 - Treatment Implementation

-Radiation Therapist will manage the scheduling and administration of radiotherapy treatment.

- Processing Treatment plan
- Contacting the patient / scheduling treatment appointments
- Treatment delivery (usually over several sessions)
- Managing the patient and the machine throughout the treatment.



7- Follow-up Treatment

-To monitor the effects of the treatment and the progression of the disease.

- The patient is referred back to the JRO clinic.

