

Radiation therapy for the treatment of cancer involves several stages of planning before a patient actually receives radiation doses on the Linear Accelerator machine or in the case of prostate brachytherapy, before the implantation of radioactive seeds. Below are equipment used in the planning and treatment of cancer patients at the Radiation Oncology Centre of Jamaica. The equipment used for the treatment of cancer in Jamaica at ROCJ is on par with similar centres in more developed countries. We consistently update our equipment in order to keep pace with changing technologies.



### **The Multi-Slice CT Scanner**

provides cross-sectional images for treatment planning and enables virtual simulation for 3-D conformal

### **The Simulator**

enables the team to visualise and determine the exact area of interest for treatment and is also used for



### **The Eclipse Planning System**

is used for comprehensive treatment planning for all cancer treatments including 3-D and IMRT treatments and the



### **The Brachytherapy Unit**

is used for the implantation of Radioactive Iodine 125 Seeds for the treatment of prostate cancer. The p



### **The Superficial Radiation Unit**

Is used for the treatment of keloids, skin cancer and surgical scars

### **The Linear Accelerator**

is the primary treatment modality used for External Beam Radiation Therapy.

