

## Intensity Modulated Radiation Therapy (IMRT) Complete System



**Brand:** VARIAN Medical Systems

**Model:** CLINAC CX6MV

### Technical specifications

#### 1. Medical Linear Accelerator

- Clinac CX Accelerator (Mid energy Clinac CX)
- High performance foundation for intensity modulated radiotherapy
- Standard beam performance per RAD 9510
- Dual independent collimators
- Dynamic arc photon treatment
- Accessory System, including Accessory Mount
- Mechanical Front Pointer
- Electron Beam shaping kit
- Drilled star trays
- EXACT Couch with Image Guided Radiation Therapy (IGRT) Couch Top with Serial No. 40792
- Ergonomic command center
- Digital gantry display
- Port film graticule
- Single Photon Energy: 6 MV, Dose Rate: 400 MU/ Min
- Four (4) Electrons: 6,9,12,16 MeV, Dose Rate: 400 MU/Min
- Electron Applicators and Upper wedges
- \*Millennium MLC, 80 Leaf (for repair)
- Portal Vision: aS500 II with Serial No. A077
- Enhanced Dynamic Wedge
- Four (4) Units LAP Astor Red Lasers, manually adjustable crosshair laser
- Three (3) units AVTech Ultra Resolution IR Camera made in Taiwan: Serial Nos. FA1E01176, FA1E01170 and FA1E01150
- Filtrine Water Chiller

## **2. Software**

- a. Eclipse Base Integrated with ARIA (TPC001001001), interactive IMRT Planning, portal dosimetry package, Calculation and Non-Calculation workstation (Dell Precision and Optiplex Workstation respectively) with the following licenses:
  - a. Varian database
  - b. DICOM 3.0 CT/MRI Image Import Server License
  - c. DICOM RT Server License
  - d. Integrated Health Enterprise Radiation Oncology
  - e. RTOG DICOM Export
  - f. DICOM print
  - g. Leaf Motion Calculation
  - h. Virtual Simulation Laser Interface

### **ARIA Oncology Information System**

#### **Patient Data Management Software**

- Varian System Database, ISC001003001
- With ARIA T-Box, with the following licenses
  - a. ARIA RO Smart Space Package
  - b. ARIA Disease Management Smart Space Package
  - c. Varian System Db
  - d. DICOM Print
  - e. Long Term Archive
- Small/Medium RO Rack Server Package

## **3. ARIA Hardwares**

#### **Location: Control Room**

- One (1) unit Monitor, TCL
- One (1) unit Varian Remote Service Computer, INZIO, P/N No. A1505B1120
- One (1) unit Varian 4DiTC Treatment Workstation, INZIO, P/N No. D1416B00403
- One (1) unit International Tower Uninterruptible Power Supply (UPS), HP T1500 G3
- One (1) unit Varian MLC Controller
- One (1) unit Varian Linac VI, Dell Optiplex XE
- One (1) unit Varian Console Computer, P/N No. 1100949-09
- One (1) unit Varian DKB Module
- Two (2) unit MultiSync LCD 2090Uxp Professional High-Resolution Desktop Monitor, NEC, 21"

Location: Treatment Planning Room

- Two (2) units Elite Desk 800 GI Small Form Factor (SFF), HP
- One (1) unit IPS LED Backlit Monitor, HP, 24" widescreen
- One (1) unit USB Keyboard, HP
- One (1) unit USB Optical Mouse, HP
- Two (2) units CPU, DELL, Precision T5600
- One (1) unit LED Backlit Desktop Monitor, NEC, 23" widescreen, with IPS LCD panel with Serial No. 41104044TA (Transferred to Doctors Lounge/ Consultation Room)
- One (1) unit USB keyboard, DELL
- One (1) unit USB 3-Button Optical Mouse, DELL
- One (1) unit International Tower Uninterrupted Power Supply (UPS), HP, T1500 G3
- Two (2) units Compaq dx20000MT, HP
- One (1) unit LCD Monitor, DELL

Location: Instrumentation Room

- One (1) unit Blue Phantom 2, IBA, Serial No. 13913
- One (1) unit Blue Phantom 2 Table Lift, IBA, Serial No. 13472
- One (1) unit Calibration Phantom, IBA, Serial No. 21058
- One (1) unit Matriz Evolution, IBA, Serial No. 21058
- One (1) unit Multicube, IBA

**4. Other Immobilization Devices/ Accessories**

**Location**

GF, Radiation Oncology Section, National Kidney Transplant Institute, Diagnostic Center, East Avenue, Quezon City

