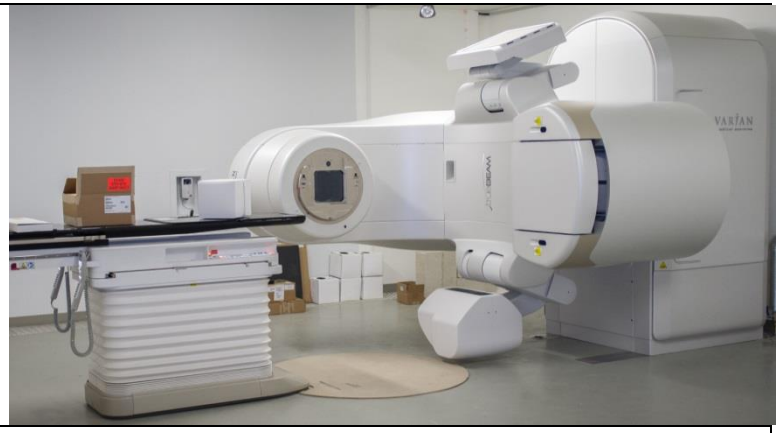
TrueBeam System – VARIAN

The TrueBeam accelerator is designed to deliver therapeutic beams of X-rays and electrons for a wide range of conventional and advanced radiotherapy techniques.
It is equipped with a 120 Multi-leaf Collimator and an embedded 3D kV CBCT imaging system.
It is equipped by a MV imager with 30x40 cm^2 amorphous silicon.
Truebeam system includes two High-Intensity modes at 6 and 10 MV.
The system includes a carbon radiotransparent patient support system.



X-ray Configuration			
Nominal Energy	Minimum output dose rates	Maximum output dose rates	Field sizes
6 MV	5 $cGy.min^{-1}$ at D_{max}	6 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
8 MV	5 $cGy.min^{-1}$ at D_{max}	6 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
10 MV	5 $cGy.min^{-1}$ at D_{max}	6 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
18 MV	20 $cGy.min^{-1}$ at D_{max}	6 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
6 MV high intensity mode	4 $Gy.min^{-1}$ at D_{max}	14 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
10 MV high intensity mode	4 $Gy.min^{-1}$ at D_{max}	24 $Gy.min^{-1}$ at D_{max}	5 mm^2 to 40x40 cm^2
Electrons Configuration			
Nominal Energy	Minimum output dose rates	Maximum output dose rates	Maximum static field size of 25x25 cm^2
6 MeV	0	10 $Gy.min^{-1}$	Electron applicators 6x6, 6x10, 10x10, 15x15, 20x20 et 25x25 cm^2
9 MeV	0	10 $Gy.min^{-1}$	
12 MeV	0	10 $Gy.min^{-1}$	
18 MeV	0	10 $Gy.min^{-1}$	
22 MeV	0	10 $Gy.min^{-1}$	