

Radiation Oncology Department GMCH Nagpur

MBBS IIIrd professional part – I Lecture timetable

Sr no.	Topic name	Lecture/DOAP	Name of faculty	Date
1	Describe and discuss definition of radiation ,mechanism of action of radiation,types of radiation	Lecture	Dr.Diwan	
2	Describe and discuss interaction of radiation with matter and measurement of radiation	Lecture	Dr.Vijay	
3	Enumerate describe and discuss classification and staging of cancer(AJCC,FIGO)	Lecture	Dr.Diwan	
4	Describe and discuss radiation protection and personnel monitoring during radiation treatment	Lecture	Dr.Sushil	
5	Describe and discuss cell cycle and cell survival curve ,principleof radiobiology	Lecture	Dr.Vijay	
6	Describe and discuss synergism of radiation and chemotherapy	Lecture	Dr.Diwan	
7	Describe and discuss teletherapy machine(Co60/LINAC)	DOAP	Dr.Diwan	
8	Enumerate describe and discuss tyes of treatment plan ,basics workflow of 2D/3DCRT/IMRT/IGRT	DOAP	Dr.Diwan	
9	Describe and discuss Brachytherapy machine (remote after loading)	DOAP	Dr.Vijay	
10	Describe and discuss different radioactive isotopes and their use in cancer patient	Lecture	Dr.Sushil	
11	Describe and discuss role of radiation in management of common malignancies in India (region specific)	Lecture and bed side clinics	Dr.Vijay	
12	Describe and discuss radiotherapy for benign disease	Lecture	Dr.Vijay	
13	Counsel patient regarding acute and late effects of radiation and supportive care	bed side clinics, group discussion	Dr.Diwan	
14	Describe oncological emergencies and palliative care	Lecture, group discussion	Dr.Diwan	
15	Display empathy in care of patient with cancer		Dr.Sushil	
16	Describe and discuss cancer prevention ,screening ,vaccination,cancer registry	group discussion	Dr.Diwan	