

**5th AROI - ICRO Radiobiology (INTAS)
Teaching Course (East Zone) W.B. Chapter**

On

**Clinical Radiobiology for Radiation Oncologist
on Saturday, 21st April, 2018**

Venue : MCH Hub, 5th Floor Lecture Theater

PROGRAMME SCHEDULE

8.30am	Registration
9.15-9.30 am	Inauguration
9.30-11.15 am	Module 1 & 2 (Interaction with matter & Radiation Injury to Cells, Mechanism of action, Cell Survival Curve, Exponential relationship, D10 & D0, Multi Model, L-Q Model)
11.15-11.30am	Tea
11.30am-1.15pm	Module 3 (Clinical Applications of L-Q Models, Normal Tissue injury with emphasis to spinal cord BED and its clinical applications, Altered fractions and its radiobiological basis)
1.15-2pm	Lunch
2-3.15 pm	Module 4 (Radiology of Hyprofraction, SRS & SBRT, factors affecting cell survival curve, HRS & IRR, Dose Rate Effect, Oxygen effect, radiobiology of fractionated RT, Intrinsic Sensitivity and Sf2)
3.15-3.30pm	Tea
3.30-4.45pm	Module 5 (4Rs of Rediobiology, Role of 4 Rs in SRS & SRT, TCP, NTCP, Therapeutic ratio, LET and RBE)
4.45pm	Valedictory

