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Indian College of Radiation Oncology (ICRO)

Academic Wing of Association of Radiation Oncologists of India (AROI)

19th AROI ICRO Radiobiology 2023
(Intas)

Teaching Course (West Zone)
Clinical Radiobiology for
Radiation Oncologist

On

Saturday 18th FEBRUARY
2023

Time - (9.00 AM to 5.30 PM)

VENUE :- Sterling Gurukul
Auditorium, Basement, Sterling
Gurukul Hospital, Memnagar

Application

I would like to participate in the
"Clinical Radiobiology for Radiation
Oncologists" on 18th February 2023.

Name:

Designation : Consultant/ Student

Qualification:.....

DMRT: MD:..... DNB:

Year:

AROIMembership:

Mobile No.

E Mail.

Name & Address of Institute:

.....

.....

City:.....State:.....

Pincode

Signature:.....

Course AIM

- 1) To understand radio-biological Principles.
- 2) To know its clinical applications and implications

Course Eligibility

- 1st, 2nd & 3rd year MD/DNB/DMRT (Radiation Oncology) post graduate Sr. Residents & Consultant Radiation Oncologists.
- Travel & Accommodation to be borne by participants.
- The course is FREE without any Registration FEE.



SCAN THIS QR CODE TO REGISTER
ONLINE OR USE THE LINK BELOW
<https://forms.gle/RHSXBUj3Yhkd7W7AA>

For any query kindly contact
Manan Parikh 9825982525.



Program Schedule

9:00-9:30 AM	Registration
9:30-11:15 AM	Module 1 & 2 Interaction with matter & Radiation Injury to Cells, Mechanism of action Cell Survival Curve, Exponential relationship, D10 & DO, Multi Model. L-Q Model)
11:15-11:30 AM	High Tea
11:30-1:15 PM	Module 3 (Clinical Applications of L-Q Models, Normal Tissue injury with emphasis to spinal cord BED and its clinical applications, Altered fraction and its radiobiological basis)
1:15-2:15 PM	Lunch
2:15-2:30 PM	Inauguration
2:30-03:45 PM	Module 4 (Radiobiology of Hypofraction, SRS & SBRT, factors affecting cell survival curve, HRS & IRR, Dose Rate Effect, Oxygen Effect, Radiobiology of fractionated RT. Intrinsic Sensitivity and Sft)
3:45-04:00 PM	High Tea
4:00-05:15 PM	Module 5 (4Rs of Radiobiology, Role of 4 rs in SRS & SRT, TCP, NTCP Therapeutic ratio LET and RBE)
5:15-05:30 PM	Valedictory