

This educational programme is supported by an Unconditional grant from



INTAS PHARMACEUTICALS LTD.

Course Director:

Dr. Manoj Kumar Gupta
Dean

Professor & Head

Dept of Radiation oncology
All India Institute of Medical Sciences
Rishikesh, Uttarakhand

Mob: 9418470607, 9816137344

Email: mkgupta62@yahoo.co.in

Organizing Secretary

Dr Rameshwaram Sharma

Senior Professor & HOD
Radiation Oncology
Department

SMS Hospital, Jaipur

Mob: 9828299369

Email: icrojaipur2022@gmail.com

AROI

Chair

Dr. P. Vijaya Anand Reddy
Director

Apollo Cancer Hospital
Hyderabad – 500033

E-mail

vijayapreddy@hotmail.com

President

Dr. Rajesh Vashistha
Director Radiation

Oncology & Medical Advisor,
Max Super Speciality Hospital
Bathinda

E-mail: drvashistha@gmail.com

President Elect

Dr. Manoj Kumar Gupta
Dean

Professor & Head,
Dept of Radiotherapy
AIIMS, Rishikesh
Uttarakhand

Email: mkgupta62@yahoo.co.in

Secretary

Dr. G. V. Giri
Professor

Dept of Radiation Oncology
Kidwai Memorial Institute of
Oncology, Bangalore

E-mail: girinhuba@gmail.com

ICRO

Chairman

Dr. Satyajit
Pradhan
Professor

Dept. of Radiotherapy and
Radiation Medicine
Institute of Medical
Science, BHU, UP

E-mail:

atyajit.pr@gmail.com

Vice Chairman

Dr D. N. Sharma
Professor, AIIMS,
Delhi

E-mail

sharmadnaiims@gmail.com

Secretary

Dr. V Srinivasan Head of
Radiation Oncology
MIOT International Hospital,
Chennai

E-mail:

vsrinivasan09@gmail.com

Course Coordinator

Dr Shantanu Sharma

Senior Professor,

Radiation Oncology Department

SMS Hospital, Jaipur

Mob: 9828246180

Email: icrojaipur2022@gmail.com



Indian College of Radiation Oncology (ICRO)

Wing of

Association of Radiation Oncologists of India (AROI)

17th AROI ICRO Radiobiology 2022
(Intas)

Teaching Course (North Zone)

On

Clinical Radiobiology for
Radiation Oncologist

on

Saturday 24th September 2022
(Time - 8:30 AM to 4:45 PM)

Venue :

Robert Helling Library
& Seminar Hall
SMS Medical college & attached
hospital, Jaipur

Application

I would like to participate in the "Clinical Radiobiology for Radiation Oncologists" on 24th September 2022.

Name:

Designation : Consultant/Student

Qualification:

DMRT : MD:..... DNB:.....

Year:

Aroi Membership:

Mobile No.

E Mail.

Name & Address of Institute:

.....

.....

City..... State.....

Pincode

Signature

Organizing Secretary

Dr Rameshwaram Sharma

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Department
SMS Hospital, Jaipur
Mob: 9828299369

Course Coordinator

Dr Shantanu Sharma

Senior Professor,
Radiation Oncology
Department
SMS Hospital, Jaipur
Mob: 9828246180

E-mail : icrojaipur2022@gmail.com

For Registration Contact
Dr. Deepesh - 8764021946

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.

Advisors

**Dept. of Radiation Oncology
SMSMC, Jaipur
Dr. Rohitashwa Dana**
(Sr. Prof & Unit head)
Dr. Sandeep Jain
(Sr. Prof & Unit head)

Local Organising Committee

**Dept. of Radiation Oncology
SMSMC, Jaipur
Dr. R S Gothwal** (Sr. Prof)
Dr. Shivani Gupta (Assoc. Prof.)
Dr. Parul Gupta (Asst. Prof.)
Dr. Mukesh Sonkaria (Asst. Prof.)
Dr. Abhay Jain (Asst. Prof.)



Program Schedule

08:30 AM	Registration
9:00-9:30 AM	Inauguration
9:30-11:15AM	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)
11:15-11:30AM	High Tea
11:30-1:15PM	Module 3 (Clinical Applications of Q Models, Normal Tissue injury with emphasis to spinal cord BED and its clinical applications, Altered fraction and its radiobiological basis)
1:15-2:00PM	Lunch
2:00-3:15PM	Module 4 (Radiobiology of Hypofractionation, SRS & SBAT, factors affecting cell survival curve, HRS & IRR, Dose Rate Effect, Oxygen Effect, Radiobiology of fractionated RT. Intrinsic Sensitivity and S12)
3:15 -3:30PM	High Tea
3:30 -4:45PM	Module 5 (4Rs of Radiobiology, Role of 4 rs in SRS & SRT, TCP, NTCP Therapeutic ratio LET and RBE)
4:45 PM	Valedictory

SCAN THIS QR CODE TO REGISTER ONLINE OR USE THE LINK BELOW
<https://forms.gle/Dc1tzbyeU9jW6FbxZ>

