



Patron

Dr. (Prof.) Vivek Choudhary
Dean & Director HOD, Radiation Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur



Course Director

Dr. (Prof.) Manoj Gupta
President - AROI
Ex. Dean AIIMS, Rishikesh
Head - Radiation Oncology



Co-Patron

Dr. (Prof.) A. K. Gupta
Surgical Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur



Co-Patron

Dr. (Prof.) Manjula Beck
Radiation Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur



Course Coordinator

Dr. (Prof.) Pradeep Chandrakar
Radiation Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur

EXECUTIVE MEMBER



Dr. Rajeev Ratan Jain
Radiation Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur



Dr. Rahul Swaroop Singh
Radiation Oncology
Regional Cancer Center, Raipur
Pt. J.N.M. Medical College Raipur

Dr. Divya Francis Raxe
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Dr. Awadhesh Bharat
Dr. Sania Taneja

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Regional Cancer Center, Raipur Pt. J.N.M. Medical College Raipur

Indian College of Radiation Oncology
(ICRO)

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

20th AROI ICRO Radiobiology 2023
(Intas)

TEACHING COURSE
(West Zone)

Clinical Radiobiology for
Radiation Oncologists
on
Saturday 1st July 2023
9.00 am to 5.30 pm

VENUE

Regional Cancer Center
Pt. J.N.M., Medical College,
Raipur (C.G.)

Application

I would like to participate in the
"Clinical Radio biology for
Radiation Oncologists"
on 1st July 2023

Name

Designation : Consultant/Student

Qualification

DMRT MD DNB

Year

AROI Membership

Mobile No.

E-mail

Name & Address of Institute
.....
.....

City State

Pin Code

Signature



For accommodation and travel
Dr Umesh Dewangan
Mob.: 7999488088

For Registration Please Scan
<https://docs.google.com/forms/d/e/1FAIpQLSc2KEmtaAw67oGqMemBmDry11vzPwecBCWhwUz3anr1IA/viewform?vc=0&c=0&w=1&l=0&gclid=8203366>

Course Aim

- 1) To understand radio-biological principles of radiation therapy.
- 2) To know clinical applications and its implication in practice.

Course Aim

1. 1st, 2nd, 3rd year MD/DNB/DMRT (Radiation Oncology) Post Graduate, Senior Resident and Consultants.
2. Travel & Accommodation to be borne by participants.
3. The course is Free without any registration fee.



For any queries contact

Dr. (Prof.) Pradeep Chandrakar 9907980612
Dr. Rahul Swaroop Singh (Asso. Prof.) 9479884343
Dr. Sania Taneja (S.R.) 7000061868

Program Schedule

09:00-09:30 am	Registration
09:30-11:15 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)
11:15-11:30 am	Tea-Break
11:30-01:15 pm	Module 3 (Clinical Applications of L-Q Models, Normal Tissue injury with emphasis on spinal cord BED and its clinical applications, Altered fractionation and its Radiobiological basis)
01:15-01:30 pm	Inauguration
01:10-02:30 pm	Lunch
02:30-03:45 pm	Module 4 (Radiobiology of Hypo-Fraction, SRS & SBRT, factors affecting cell survival curve, HRS & IRR, Dose Rate Effect, Oxygen Effect, Radiobiology of fractionated RT. Intrinsic Sensitivity and sft.
03:45-04:00 pm	Tea Break
04:00-05:15 pm	Module 5 (4Rs of Radiobiology, Role of 4 Rs in SRS & SRT, TCP, NTCP, therapeutic ratio, LET and RBE)