



ESTRO

11th AROI-ESTRO

**Teaching Course on
Advanced Technologies in
Radiation Oncology**

**Theme:
Closing the gap with advancing technology**

**5TH - 8TH DECEMBER 2024
Auditorium, AIIMS, Patna**



PRESIDENT'S MESSAGE

Dear Guests, Faculty and Participants,

It is with great pleasure and honour that I invite you to the **AROI-ESTRO Teaching Course Advanced Technologies in Radiation Oncology with theme “Closing the Gap with Advancing Technology”**, taking place from **December 5th to 8th, 2024, at the AIIMS Patna.**

The course that is being organised at Patna is a testament to our collective commitment in bringing the benefits of advanced radiation techniques to this part of the world. It is indeed the result of a collaborative effort of the AROI-ESTRO and AROI-Bihar Chapter and AIIMS Patna.

As the president of the AROI-Bihar Chapter, it is my honour and privilege to welcome distinguished international and national faculty and radiation oncologists from different parts of the world for this course. I am sure that at the end of the course, the participants will immensely benefit from the teachings and deliberations of the course. The course has been designed by leading experts to cover the topic of advanced technologies in radiation therapy, with lots of emphasis on the clinical aspects. It is expected that at the end of the courses, the participants will be able to acquire knowledge of the topics covered and be confident in implementing these technologies in their respective departments.

I extend my deepest gratitude to the faculties of the course, the office bearers of the AROI, India, and AROI-Bihar chapters, and the local organizing committee, particularly Dr Pritanjali Singh, Head of the Department of Radiation Oncology, AIIMS, Patna for their efforts in organizing the course at the AIIMS Patna.

The city of Patna is an ancient city, and there are many important historical places, museums, and tourist attractions to visit as well. I, along with the members of the AROI Bihar Chapter and the local organizing committee, look forward to welcoming you to Patna and wish that the course will be an enriching experience for the participants.

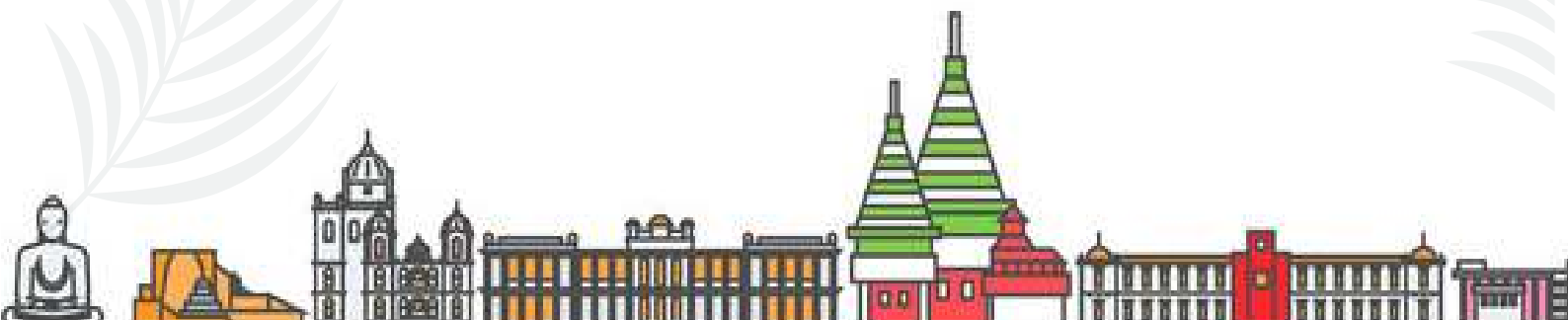
Warm regards,

Dr Rajiv Ranjan Prasad

President, AROI-Bihar Chapter and

Director- Radiation oncology Cancer Institute

JP Medanta Hospital, Patna, India





Prof. (Dr.) Gopal Krushna Pal
Chief Patron
Director, AIIMS, Patna



Dr. B Sanyal
Patron



Dr. J K Singh
Patron



Prof. Dr. Prem Kumar
Patron



Dr. P N Pandit
Patron



Prof. Dr. Sadhana Sharma
Patron



Dr. Rajesh Vashista
Chair - AROI



Dr. Manoj Gupta
President - AROI



Dr. V Srinivasan
Secretary - AROI



Dr. S N Senapati
President Elect-AROI



Prof. Ben Heijmen
ESTRO Course Director



Dr. Indranil Mallick
AROI Course Director



Dr. Pritanjali Singh
Course Coordinator



Dr. Rajiv Ranjan Prasad
President AROI Bihar Chapter



Dr. Prof. Rajesh Singh
Secretary AROI Bihar Chapter



Chief Patron

Prof.(Dr) Gopal
Krushna Pal
Director AIIMS Patna

Patrons

Dr B Sanyal
Dr J K Singh
Dr P N Pandit
Dr Prem Kumar
Dr Sadhana Sharma

Mentors

Dr Sudhakar Singh
Dr Seema Devi
Dr Shekhar Kesari
Dr Anita Kumari
Dr Mukesh Bharti

Scientific Committee

Dr Vineeta Trivedi

Dr Dinesh Kumar Sinha
Dr Richa Chauhan
Dr Rita Rani
Dr Usha Singh
Dr Ravi Byahut
Dr Sneha Jha
Dr Richa Madhavi
Dr Kunal Kishor
Dr Shraddha Raj
Dr Mukesh Bharti
Dr Amrita Rakesh
Dr Shiv Mishra

Transport & accommodation

Dr Anil Jaiswal
Mr Sourab Kumar
Mr Abu Musa Shah
Mr Saurabh Kumar

Registration

Committee

Dr Nilesh Mani
Dr Kanchan
Dr Shanmuga Priya
Dr Deepan S
Mr Ranjan Kumar
Mr. Rajhans Kumar

Hall Management

Dr Harikesh Bahadur
Singh,
Dr Meenakshi Mishra
Dr Ravind kumar Yadav
Mr Samyak Chauhan
Dr Ritesh
Ms Gazala Parveen

Food & Beverage

Committee

Dr Ravi Roushan
Dr Kodela Jahanvi



TARGET GROUP

The course is primarily aimed at:

- Radiation oncologists, medical physicists and radiation therapists/technologists early in their career who are implementing or planning to implement advanced technologies in their practice
- Trainees in radiation oncology or radiation physics

The course is also suitable for:

- Experienced clinicians and physicists who are eager to update their knowledge on new technical aspects of radiotherapy.
- Radiation technologists having a strong interest in the application of physics and technology in radiotherapy.
- Researchers in radiotherapy, radiotherapy physics and radiotherapy technology, e.g. pursuing a Master or PhD degree.

As the focus is on clinical application, the teachers' team consists of radiation oncologists, medical physicists and technologists.

COURSE DIRECTORS

ARO: Dr Indranil Mallick, Sr. Consultant Radiation Oncologist, Tata Medical Center, Kolkata

ESTRO: Prof Ben Heijmen, Professor of Medical Physics, Erasmus MC, Rotterdam, the Netherlands



COURSE AIM

The course will be a combination of didactic lectures and interactive clinical sessions

The overall aim of this course is to explore how new technologies can be best used for patient benefit, with a focus on scientific evidence.

- The lectures aim to provide multidisciplinary knowledge and understanding of:
- The clinical rationale for the use of advanced technologies in radiation therapy
- Errors and uncertainties and how multimodality imaging, respiratory motion management, MR linacs, surface guidance and adaptive radiotherapy are used to mitigate these.
- IMRT delivery techniques and plan evaluation
- Principles and applications of stereotactic (body) radiotherapy, and particle therapy, use of automation and artificial intelligence in radiation oncology contouring and planning
- An outlook to possible future new technologies, like FLASH, heavy ions and grid therapy

Complimentary to the lectures, this course has interactive clinical sessions where expert oncologists, physicists and radiographers will discuss developing protocols for the clinical implementation of advanced technologies, including IGRT, adaptive RT, cranial SRS and SBRT.

LEARNING OUTCOMES

By the end of this course participants should be able to:

- Discuss and select modern treatment techniques based on their pros and cons
- Select physics and technical measures that enhance effective and safe application of radiation therapy.
- Discuss approaches for gathering scientific evidence for clinical application of novel technologies
- Get an understanding of the use and applications of novel emerging technologies.

COURSE CONTENT

Lectures on:

- Modern imaging for treatment planning
- Errors, Margins and Correction Strategies
- Respiratory Motion Management
- IMRT delivery and plan evaluation
- Stereotactic radiotherapy and radiosurgery
- Biophysical models
- Particle therapy
- Adaptive Radiotherapy
- Automation and Artificial Intelligence
- Health technology assessment
- Designing studies to assess new technology
- Novel emerging technologies (Heavy ions, Flash and Grid therapy)

COURSE CONTENT

Clinical sessions:

There will be five interactive multidisciplinary clinical sessions, where faculty will coordinate discussion on contouring, plan evaluation, patient specific QA, and imaging protocols in different clinical sites.

- How to develop site-wise protocols for PTV margins and image guidance in your department - Head and Neck Cancers, Gyne and Prostate Cancer
- Lung SBRT (indications, selected contours on Educase, patient selection and dose constraints)
- Cranial SRS (OARs and constraints, gamma-knife or Cyberknife vs linac based, QA)
- Breast DIBH and IMRT
- Liver SBRT (indications, liver toxicity and dose constraints, respiratory motion management during scanning and delivery)

INTERNATIONAL FACULTY

Ben Heijmen | Andrew Hope | Mairead Daly

NATIONAL FACULTY

**Tejpal Gupta | Anil Anand | Tharmar Ganesh
Rakesh Jalali | Santam Chakroborty | Pritanjali Singh
Jyotirup Goswami | Indranil Mallick | Prakash Umbarkar
Sai Subramaniam | Supriya Chopra | Tanveer Shahid**



COURSE FEE

EARLY BIRD extended till 31st October 2024

	Indian Delegate	Foreign Delegate	PG
Physician (AROI Member)	INR 12000*	USD 250	
Physicist	INR 10000*	USD 250	
Radiotherapy Technologist	INR 8000*	USD 200	INR 10000*
Team (Physician & Physicist)	INR 18000*	USD 400	
Team (Physician, Physicist & Radiotherapy Technologist)	INR 25000*	USD 550	
* Inclusive of 18% GST			

LATE REGISTRATION after 1st November 2024

	Indian Delegate	Foreign Delegate
Physician (AROI Member)	INR 14000*	USD 270
Physicist	INR 12000*	USD 270
Radiotherapy Technologist	INR 10000*	USD 220
Team (Physician & Physicist)	INR 22000*	USD 420
Team (Physician, Physicist & Radiotherapy Technologist)	INR 30000*	USD 570
* Inclusive of 18% GST		

HOTELS NEAR BY

Hotel Name	Rate	Distance from Venue	Contact Number
Hotel G Diamond	From 1500 Onwards	0.5 km (Click to view map)	
Hotel Royal Bihar	From 2500 Onwards	1.4 km (Click to view map)	Mr. Shad (+91 6299702440)
Hotel Patliputra Continental	From 5000 Onwards	7.8 km (Click to view map)	Mr. Shad (+91 6299702440)
Hotel Lemon Tree	From 7500 Onwards	20.2 km (Click to view map)	
The Red Velvet Hotel	From 3500 Onwards	9 km (Click to view map)	Mr. R K Ranjan (+91 7004672663)
Golden Crown	From 3000 Onwards	10 km (Click to view map)	
AVR Hotels & Banquets	From 3000 Onwards	10 km (Click to view map)	
Vatika Premier	From 5500 Onwards	10 km (Click to view map)	Mr. Rahul Mishra (+91 7765030303)



REGISTRATION

The course is aimed for the Radiation Oncologists/Physicists/RTT, involved in advanced treatment planning in their daily routine. One Physicist, one Physician and one Technologist from as institution are encouraged for team participation.

Please visit the website for registration.

Website - www.aroiestropatna.com

The last date of the early bird registration extended till 31st October 2024.

As the number of available seats are limited, registration will be first come first serve basis.

Mailing Address - aroiestropatna@gmail.com

Contact Person

Dr. Pritanjali Siingh

Mob: 9334931395

Application for CME recognition submitted to the Bihar Medical Council



BODH GAYA



PATNA SAHIB
GURUDWARA



NALANDA UNIVERSITY



RAJGIR GLASS BRIDGE



SCAN HERE
TO REGISTER

Account Details:

Account Name: AROICON

Account Number: 579320110000317

IFSC Code: BKID0005793

Bank Name: Bank of India

Branch: Phulwari Sharif Branch

Event Partner



Ravindra Purohit

+91 79842 98960

ravindra@mightyduo.com