



# ESTRO

# 11<sup>th</sup> AROI-ESTRO

Teaching Course on

Advanced Technologies in Radiation Oncology

Theme:

Closing the gap with advancing technology

5<sup>TH</sup> - 8<sup>TH</sup> DECEMBER 2024  
Auditorium, AIIMS, Patna

## TRADE BROCHURE



## 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.

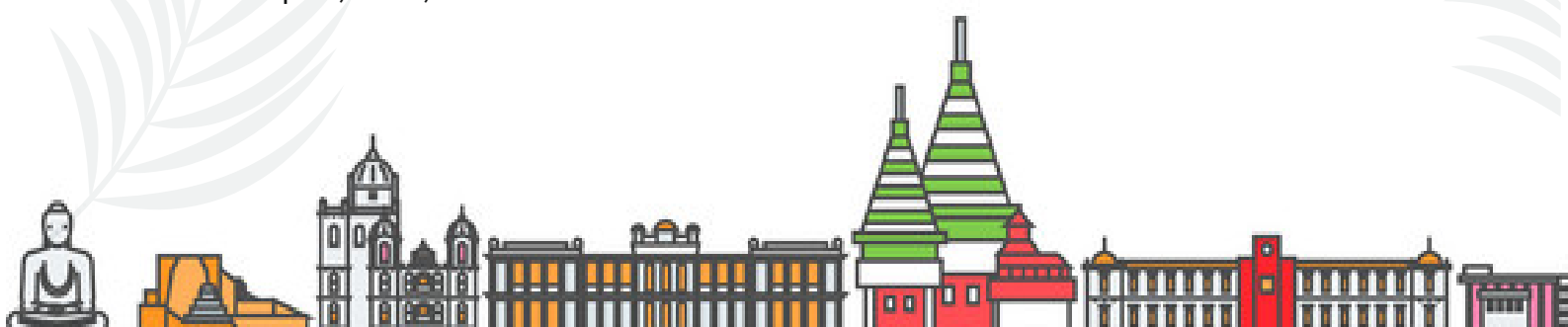
Warm regards,

Dr Rajiv Ranjan Prasad

President, AROI-Bihar Chapter and

Director- Radiation oncology Cancer Institute

JP Medanta Hospital, Patna, India





**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 Vashistha**  
Chair - AROI



**Dr. Manoj Gupta**  
President - AROI



**Dr. V Srinivasan**  
Secretary - AROI



**Dr. S N Senapati**  
President Elect-AROI



**Mr. 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

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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



## SPONSORSHIP OPPORTUNITIES

OPPORTUNITIES	SERVICES OFFERED	AMOUNT +GST (INR)
Platinum	Complimentary premium bare space for branding (Size: 3mX3m) 10 Trade delegates registrations Branding on pocket agenda - Back Cover Scientific Session	INR 10,00,000/-
Gold	Complimentary Stall (size 3mX2m) 6 Trade delegates registration Branding on pocket agenda - Back Cover	INR 7,50,000/-
Silver	Complimentary Stall (size 2mX2m) 2 Trade delegates registration Branding on pocket agenda	INR 5,00,000/-
Symposium Sponsorship	Dinner Symposium Lunch Symposium	INR 5,00,000/- INR 3,00,000/-
Session Sponsorship	Scientific Session + 1 Standee	INR 5,00,000/-
Registration Desk Management	Management of registration desk area as per space availability, Conference Kit, Mementoes & Certificates to be handed over from the same desk in exchange of feedback form Preview Room	INR 2,00,000/-
Exhibition Stall	Size : 2mX2m	INR 2,00,000/-
Conference Kit	This counter will be named after the sponsor, permission for branding inside the kit counter as per the design to be approved by the organizing committee, name and logo of the sponsor to be printed inside the kit.	INR 2,00,000/-

### Bank Account Details:

Account Name: AROICON  
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#### Note:

1. Kindly send your request with your preferences in order to book the sponsorship opportunity.
2. All major sponsorships will be acknowledged during the conference.
3. All branding opportunities will be allocated on first come, first serve basis
4. The organizing committee reserves the right to rearrange the floor plan or sponsorship opportunities or any part thereof at any time.
5. The organizers reserve the right to change the date of conference/conference venue in case of unavoidable circumstances.

\*GST extra as applicable

## 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:

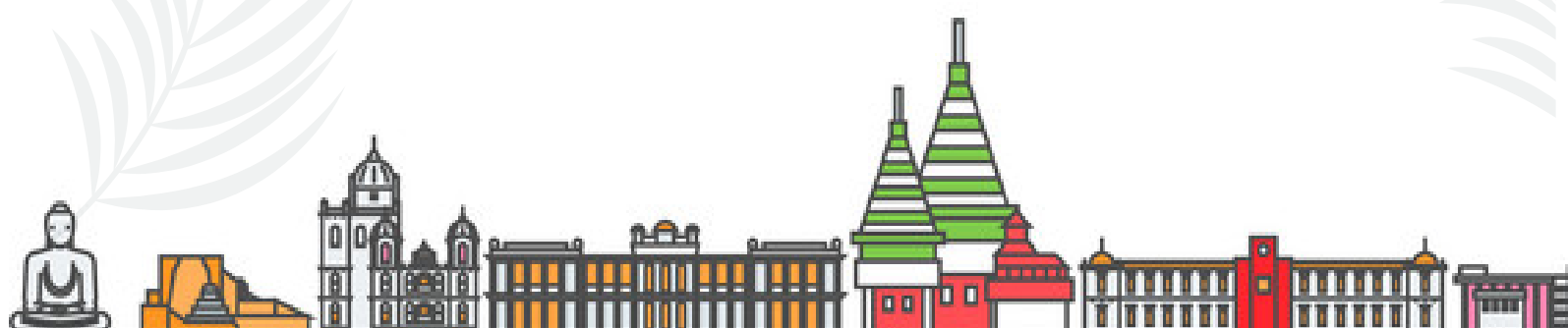
- Experienced clinicians and physicists who are eager to update their knowledge on new technical aspects of radiotherapy.
- Radiation technologists having a strong interest in the application of physics and technology in radiotherapy.
- Researchers in radiotherapy, radiotherapy physics and radiotherapy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

**AROJ:** 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.

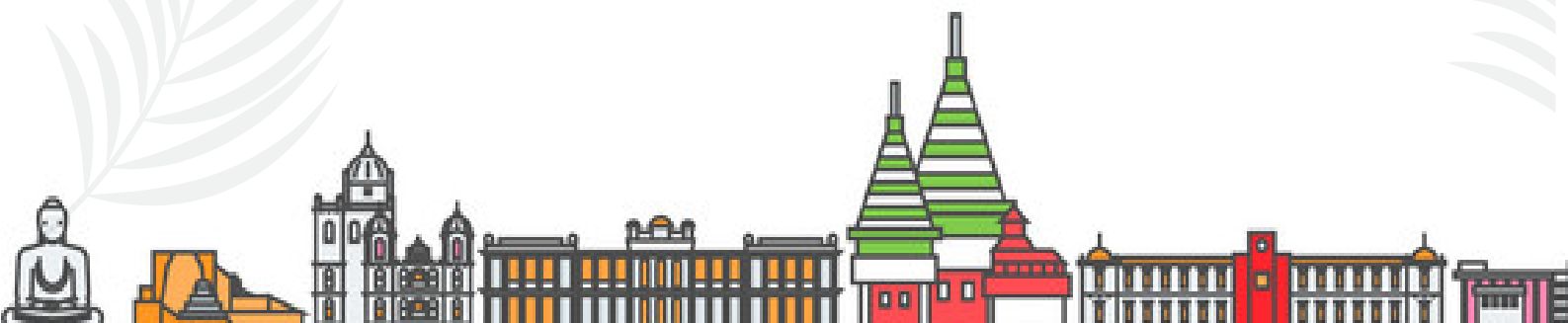
- How to develop site-wise protocols for PTV margins and image guidance in your department - Head and Neck Cancers, Gyne and Prostate Cancer
- Lung SBRT (indications, selected contours on Educase, patient selection and dose constraints)
- Cranial SRS (OARs and constraints, gamma-knife or Cyberknife vs 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**



## 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.arioestropatna.com](http://www.arioestropatna.com)

The last date of completion of the early bird registration process shall be 31st August 2024.

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

Mailing Address - [arioestropatna@gmail.com](mailto:arioestropatna@gmail.com)

Contact Person

Dr. Pritanjali Siingh

Mob: 9334931395

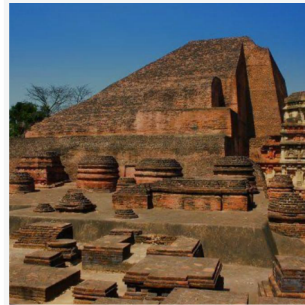
Application for CME recognition submitted to the Bihar Medical Council



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