

ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA (AMPI)

National Workshop

**Adaptive Radiotherapy: Planning,
Delivery & Quality Assurance.**

**3rd & 4th
June 2023**

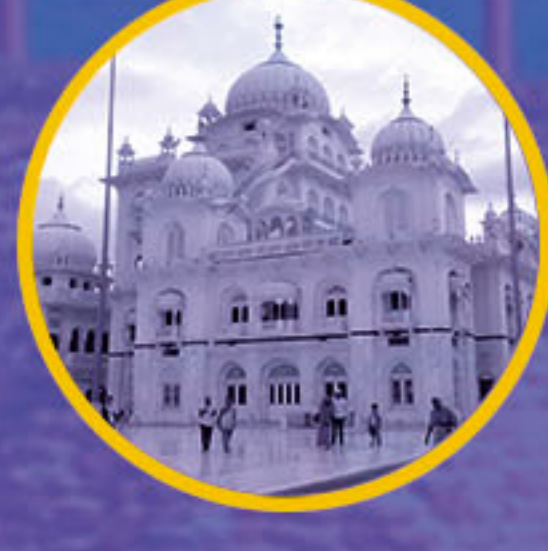
2nd Floor Auditorium,
IGIMS, Patna



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Organised by

Department of Medical Physics,
STATE CANCER INSTITUTE,
INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA- 800014

INVITATION

Dear Colleagues,

Adaptive Radiotherapy (ART) is an emerging tool used to counter morphologic changes in patients and tumor anatomy during a course of radiotherapy. This is achieved by creating new radiation plans during the course of treatment. The two most common causes of anatomic change prompting ART are excessive weight loss secondary to treatment side effects and tumor shrinkage from the response to therapy. When treating cancer, significant weight loss or dramatic shrinkage of malignant adenopathy may lead one to consider ART. Therefore, in modern radiotherapy, ART has to be considered in day-to-day treatment.

We are happy to intimate you that the Department of Medical Physics, State Cancer Institute, IGIMS, Patna is going to conduct AMPI's National Workshop on "Adaptive Radiotherapy: Planning, Delivery & Quality Assurance" on 2nd and 3rd June 2023. This workshop will have theoretical as well as practical demonstrations to ensure better understanding. Renowned faculties have agreed to participate and demonstrate the use of adaptive radiotherapy in their clinics in day-to-day practice.

Our State Cancer Institute (SCI), IGIMS has recently been equipped with state-of-the-Art facilities in all disciplines, especially in the Medical Physics and Radiotherapy Department. We have two high-energy medical linear accelerators (Make: Varian, Model: TrueBeam, and Clinac iX), one brachytherapy unit (Gamma Med plus iX) with all the modern facilities for the treatment of cancer. We also have a fully-fledged Nuclear Medicine Department, including PET-CT facilities, etc.

Indira Gandhi Institute of Medical Sciences, an institute under the State Legislature Act, was established on 19 November 1983 as an autonomous organization of the Government of Bihar. SCI was established in 1996 (formerly known as Cancer Treatment and Research Centre; CTRC, then Regional Cancer Centre; RCC). It is an apex center for the treatment of cancer in the State of Bihar. It is the only super-specialist institute of the Govt. of Bihar and tops the hierarchy in the patient referral chain. The institute provides education in medicine and conducts various health and medicinal research in Bihar. It was affiliated as a medical college by the MCI in September 2011. It has 120 recognized MBBS seats and the highest number of super-specialty seats of MD, MS, M.Ch., SR, JR & Trainee among Medical Colleges in Bihar.

You are all welcome to join the workshop to make it a grand success.

Organizing Secretary

Dr. Santosh Kumar

Organizing Chairman

Dr. (Prof.) Rajesh Kr. Singh

WORKSHOP TITLE

ADAPTIVE RADIOTHERAPY: PLANNING, DELIVERY AND QUALITY ASSURANCE

Proposed Date/Time

The course will start on Saturday, June 3rd, 2023 at 08:30 AM & Sunday, June 04th, 2023 at 9:00 A.M.

Workshop Description

The workshop aim to:
Provide comprehensive overviews of imaging and volume concepts in radiotherapy and adaptation.
Adaptive therapy (ART), in modern Radiotherapy techniques.
Adaptive RT from particle therapy and brachytherapy.
The case discussions aim at teaching physics & sharing knowledge by practical application in treatment planning of ART.

Target Participants

Medical Physicists, Radiation Oncologist, SR, JR, Trainee & RTT
Total number of participants will be 50 on first come first serve basis.

Registration

Please send your Registration request to Mr. Satya Kumar, mentioning details like AMPI Registration no., Name, Designation, Institution/Affiliation, Phone number, E-mail ID, and Address along with payment details

Bank details

A/c Name: SCI Academic Account
A/c No. 7399536604
IFSC Code: IDIB000I507
Indian Bank, Indira Gandhi Institute of Medical Science
CIF No. 10337186759

Registration Fee: Rs. 500/- Last Date for Registration: 15th May 2023.

Late registration fee Rs. 1000/-

For Registration, please contact:

Mr. Satya Kumar, Medical Physicist

State Cancer Institute, Indira Gandhi Institute of Medical Sciences

Patna - 800014 (Bihar), Mobile: +91 9661459189

e-mail: satyakumarigims@gmail.com

03-06-2023 (Saturday)

Schedule

08:00 - 09:00 Registration
09:00 - 10:00 Inauguration
10:00 - 10:30 High tea
10:30 - 11:30 Introduction and importance of ART
11:30 - 12:30 Clinical Aspect of ART
12:30 - 13:30 Physics of Modern Radiotherapy
13:30 - 14:30 Lunch
14:30 - 15:30 Physics of ion therapy
15:30 - 16:30 Physics of Modern Radiotherapy Techniques.
16:30 - 17:00 Tea break
17:00 - 18:00 ART by ion therapy
19:30 - Dinner

04-06-2023 (Sunday)

Schedule

09:00 - 10:00 ART treatment planning
10:00 - 11:00 Case presentation
11:00 - 11:30 Tea break
11:30 - 12:30 Regulatory requirement in Radiotherapy
12:30 - 14:00 Hands on training
14:00 - 14:30 Valedictory

NATIONAL TEACHING FACULTIES

DR. S. D. SHARMA

BHABHA ATOMIC RESEARCH CENTER, MUMBAI (INDIA)

MR. JIBON SHARMA

STATE CANCER INSTITUTE, GAUHATI MEDICAL COLLEGE, GUWAHATI, ASSAM, (INDIA)

DR. ALOK KUMAR,

NETAJI SUBHAS CHANDRA BOSE CANCER HOSPITAL, KOLKATA, (INDIA)

DR. DAYANAND SAMURALATPAM

APOLLO PROTON CANCER CENTER, CHENNAI, (INDIA)

DR. SAI SHANMUGA SUBRAMANIAN

YASHODA HOSPITALS, HYDERABAD, TELANGANA (INDIA)

DR. PRITANJALI SINGH

AIIMS, PATNA (INDIA)

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Office Secretariat

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