



South Asia Centre for Medical
Physics and Cancer Research

SCMPCR

Newsletter

A sister organization of Alo-BT

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QUALITY EDUCATION AND HEALTH SCIENCE FOR PATIENT BENEFIT

BMPS celebrates International Medical Physics Week (IMPW) 2025

Md Akhtaruzzaman, PhD

*Chief Medical Physicist, Evercare Hospital Chattogram
President, Bangladesh Medical Physics Society (BMPS)*

The Bangladesh Medical Physics Society (BMPS) successfully organized a series of webinars from May 5 to May 9, 2025, to celebrate International Medical Physics Week (IMPW). This annual event aims to enhance global engagement in medical physics education and discussions. The webinar series featured four insightful lectures delivered by distinguished national and international experts, attracting approximately 450 participants from 42 countries.

Bangladesh Medical Physics Society (BMPS)
Celebrating
International Medical Physics Week 2025
Webinar Series | May 5 – May 9, 2025
Four Inspiring Lectures | National and International Experts | Free Registration

PLATFORM
Zoom

REGISTER NOW!

Speakers

- Dr. Mary Joan**
Professor and RSO
Christian Medical College and Hospital, Ludhiana, India
- Dr. Md Anwarul Islam**
Coordinator Medical Physicist
Square Hospital Limited
Dhaka, Bangladesh
- Meher Nigar Sharmin**
Chief Medical Physicist
Khawaja Yunus Ali Medical College and Hospital, Sirajgonj, Bangladesh
- Dr. Duminda Satharasinghe**
Lecturer, University of Colombo, Sri Lanka

Lectures

- Lecture 1: Understanding the Radiobiology of Brachytherapy**
Date: 5th May 2025
Time: 7:30 PM (Bangladesh Standard Time)
- Lecture 2: Geometric and Dosimetric Impact of Bladder and Rectal Filling on Pelvic Radiotherapy Quality Using 3DCRT, IMRT, and VMAT**
Date: 6th May 2025
Time: 7:30 PM (Bangladesh Standard Time)
- Lecture 3: Pediatric Radiotherapy in Resource-Limited Countries: Addressing Setup Errors, Anesthesia Challenges, Stochastic-Deterministic Risks, and Late Toxicity Using IGRT, IMRT, SGRT, and Hypofractionation**
Date: 8th May 2025
Time: 7:30 PM (Bangladesh Standard Time)
- Lecture 4: Digital Image Formation in Medicine**
Date: 9th May 2025
Time: 7:30 PM (Bangladesh Standard Time)

Registration Link: <https://forms.gle/5CmWBYpjCcP2wbn86>
After successful registration, the Zoom link will be sent to your registered email address.
Join the sessions and receive a participation certificate.

jobairul55@gmail.com +880 1672-737453 <https://bmps.org.bd/>

Bangladesh Medical Physics Society (BMPS)
INTERNATIONAL MEDICAL PHYSICS WEEK (IMPW) 2025
UNDERSTANDING THE RADIOBIOLOGY OF BRACHYTHERAPY
05 MAY 2025 07:30 PM-08:30 PM Bangladesh Time

MODERATOR
Md. Jobairul Islam
Medical Physics & RSO
Labaid Cancer Hospital and Super Specialty Centre, Bangladesh
Secretary, BMPS

SPEAKER
Dr. Mary Joan
Professor and RSO
Christian Medical College and Hospital, Ludhiana, India

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Bangladesh Medical Physics Society (BMPS)
INTERNATIONAL MEDICAL PHYSICS WEEK (IMPW) 2025
GEOMETRIC AND DOSIMETRIC IMPACT OF BLADDER AND RECTAL FILLING ON PELVIC RADIOTHERAPY QUALITY USING 3DCRT, IMRT, AND VMAT
06 MAY 2025 07:30 PM-08:30 PM Bangladesh Time

MODERATOR
Abu Kausar
Sr. Medical Physicist
Delta Hospital Limited
Dhaka, Bangladesh

SPEAKER
Dr. Md Anwarul Islam
Coordinator Medical Physicist
Square Hospital Limited
Dhaka, Bangladesh

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Bangladesh Medical Physics Society (BMPS)
INTERNATIONAL MEDICAL PHYSICS WEEK (IMPW) 2025
PEDIATRIC RADIOTHERAPY IN RESOURCE-LIMITED COUNTRIES: ADDRESSING SETUP ERRORS, ANESTHESIA CHALLENGES, STOCHASTIC-DETERMINISTIC RISKS, AND LATE TOXICITY USING IGRT, IMRT, SGRT, AND HYPOFRACTIONATION
08 MAY 2025 07:30 PM-08:30 PM Bangladesh Time

MODERATOR
Dr. Munima Haque
Associate Professor and Director of Radiotherapy Engineering, BBAC University, Dhaka, Bangladesh

SPEAKER
Meher Nigar Sharmin
Chief Medical Physicist
Khawaja Yunus Ali Medical College and Hospital, Sirajgonj, Bangladesh

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Bangladesh Medical Physics Society (BMPS)
INTERNATIONAL MEDICAL PHYSICS WEEK (IMPW) 2025
DIGITAL IMAGE FORMATION IN MEDICINE
09 MAY 2025 07:30 PM-08:30 PM Bangladesh Time

MODERATOR
Md. Motiur Rahman (Mithu)
Chief Medical Physicist & Assistant Project Director, TAMS Cancer Center, TICCS, Bangladesh

SPEAKER
Dr. Duminda Satharasinghe
Lecturer, University of Colombo, Sri Lanka

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The webinars were conducted virtually via Zoom, allowing professionals, students, and researchers in medical physics to participate freely. Each session focused on important topics relevant to clinical practices and advancements in the field.

The sessions include the following diverse medical physics topics:

- Understanding the Radiobiology of Brachytherapy (5th May)
- Geometric and Dosimetric Impact of Bladder and Rectal Filling on Pelvic Radiotherapy Quality Using 3DCRT, IMRT, and VMAT (6th May)
- Pediatric Radiotherapy in Resource-Limited Countries: Addressing Setup Errors, Anesthesia Challenges, Stochastic-Deterministic Risks, and Late Toxicity Using IGRT, IMRT, SGRT (8th May)
- Hypofractionation, Digital Image Formation in Medicine (9th May)

BMPS's initiative in organizing these webinars fostered global collaboration, knowledge sharing, and professional development in medical physics. It provided a platform for medical physicists to discuss innovations, challenges, and emerging techniques in radiation therapy, imaging, and clinical applications. The IMPW 2025 webinar series was a resounding success, demonstrating BMPS's commitment to promoting medical physics education worldwide. The engagement of considerable participants from across the world highlights the increasing interest in the field and the importance of continued efforts to advance medical physics research and practice.