



5th Annual National Conference Celebration & International Day of Medical Physics in Pakistan

Collaboration with POMP (Pakistan Organisation of Medical Physicist)
Organised by Department Of Radiotherapy - Dr. Ziauddin Hospital, Karachi.
Shared by: Asad Yousuf and Hamza Abbasi

Background History:

Since 2013, the 7th of November has been celebrated as the international day of medical physics (IDMP) in recognition of Madame Marie Sklodowska- Curie's contributions to the field of radioactivity, who was born on this day, in 1867, in Poland. Pakistan Organization of Medical Physicists (POMP) was founded in 2012 to promote the medical physics community in Pakistan as well as internationally. POMP believes to interact and gather the community of Pakistan's medical physicists (MPs), professionals and students under one umbrella and aims to deliver professional guidelines. Important aspects of MPs as associated part of the healthcare workforce professionals are stated by the international labour organization (ILO), the international standard classification of occupation (ISCO).

This year's theme of the IDMP set by the International Organization for Medical Physics (IOMP) is "Medical Physics for Sustainable Healthcare". This annual conference is 5th in a row. The thematic areas of the conference were radiation oncology, nuclear medicine, radiology and medical physics for sustainable health care. This year, Dr. Ziauddin Hospital, Karachi, hosted this event at their institute for the second time.

Insights Highlights:

The 5th annual national conference to celebrate the international day of medical physics (IDMP) was organized by the department of Radiotherapy, Dr. Ziauddin Hospital, in collaboration with the Pakistan organization of medical physicists (POMP) on the 19th of

November 2022. As to highlight the significance of the medical physics profession in healthcare, the subject and theme of the conference were "Medical Physics for Sustainable Healthcare". Various hospital professionals, medical physics faculty members of universities, students of physics, Ph. Ds, radiation oncologists and technologists from all over Pakistan participated in this conference and also presented their research works. This event was recognized by IOMP this year through the combined efforts of all medical physicists of Pakistan.

On the day of the conference, invited professional guests delivered their remarkable talks to highlight the importance of medical physics and their lifetime professional experiences as motivation for professionals and students.

The POMP's scientific committee played a significant role in this conference. Abstracts received from all over Pakistan were reviewed and selected by members of the scientific committee for oral presentation and poster competition. This committee evaluated the oral and poster presentation competition as well.

Lifetime achievement awards were presented every year to honour the services of scientists who have promoted the field of medical physics in Pakistan. This year, Mr. Asdar ul Haq, Chief Scientist, Pakistan Atomic Energy Cancer Hospital, KIRAN was honoured with this award. Chief Guest was Mr. Muhammad Rahman, Member (Executive), one of the two full-time members of the Pakistan Nuclear Regulatory Authority (PNRA), and has the overall responsibility of the Executive Wing. The technical directorates, Directorate of Nuclear Safety (NSD), Directorate of



Physical Protection and Nuclear Security (PPSD), Directorate of Radiation Safety (RSD) and Directorate of Transport and Waste Safety (WSD) are working under his supervision.

Many other activities related to medical physics were arranged in this event, such as; PNRA exhibiting their equipment, a career

counselling booth in which experts counselled and advised students about the future aspects and opportunities, a poster presentation competition, a live question-answer session with Prof Faiz M. Khan, PhD, Professor Emeritus, the University of Minnesota Medical School Minneapolis via zoom link. It was a very interactive session, and all the participants got the chance to interact with Prof Faiz M. Khan.

Members of the organizing team were Dr. Jawaid A. Mallick (Head Cancer Hospital), Mr. Asghar Hussain (Principal Medical Physicist) and their team from Dr. Ziauddin Hospital, Dr. Almas Farhan from CPE department and Mr. Syed Mishkat Ali Jafri from PNRA

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Congratulations ! Mr Asdar Ul Haque



SCMPCR congratulate Mr Asdar Ul Haque for receiving the lifetime achievement award the chief scientist at KIRAN hospital. He played a vital role in the revival of LINAC-based radiotherapy in Pakistan. When he started to work in a medical centre, Co-60-based radiotherapy was common in Pakistan. He not only successfully commissioned and installed the new LINACS at the Atomic energy Cancer Hospital (KIRAN), Karachi but also efficiently functioning it for a long time. He also provided technical support to other medical centres where LINAC-based radiotherapy would start in the 2000s.

Congratulations ! Mr Bharath P



SCMPCR Congratulate Mr Bharath P for receiving the Best Oral Presentation Award at the IDMP 2022 symposium on 12th November 2022, organized by AMPI- Karnataka chapter & JSS academy of higher education and research institute, Mysuru. Mr Bharath is a medical physicist at the Department of Radiotherapy, Bangalore Baptist Hospital, Bangalore, India. The title of the abstract is A phantom study on the feasibility of manual field in clinical field implementation for total body irradiation and comparison of midplane dose with different bilateral TBI techniques.