International Day of Medical Physics

Celebrated on 7th November 2022
At the Department of Medical Physics at MVR Cancer Center and Research Institute (MVRCCRI), Kerala, India

Mr. Arun Krishnan,
Senior Medical Physicist

On 7th November 2022, the Department of Medical Physics at MVR Cancer Center and Research Institute (MVRCCRI), Kerala, India celebrated the International Day of Medical Physics. The theme for the year is "Medical Physics for Sustainable Healthcare". The event was inaugurated by Dr. Anoop Nambiar, Chief Operating Officer of MVRCCRI by unveiling the caricature of Madame Curie, who pioneered the study of radioactivity. Dr.Dinesh Makuni, Head of Radiation Oncology moderated the session, recollected the everlasting memory of Madam Curie and her contribution to the evolution of Radiation Therapy. Mr. Arun Krishnan MP, Senior Medical Physicist delivered a talk about the importance of Medical Physics for Sustainable Healthcare. A creative poster was designed by Mr John Paul, Mr Anaz, and Ms Saveri, Medical Physicists at MVRCCRI and exhibited in hospital vitrine for giving awareness to the patients and public. It really conveyed the role and importance of the Medical Physicists in health sector. On this great day, MVRCCRI was also honoured by receiving best research paper award (AMPICON held at AIIMS, Delhi) to Dr. Niyas Puzhakkal, Chief Medical Physicist for the recent collaborative scientific work with National Institute of Technology, Calicut in Machine learning and Artificial Intelligence.

India

Congratulations ! Dr. Niyas Puzhakkal

Dr. Niyas Puzhakkal, Chief Medical Physicist & RSO at MVR Cancer Centre & Research Institute, Kerala, received the best research paper award in November 2022. This award was instituted by the Association of Medical Physicists of India (AMPI), and it was presented at the 43rd Annual Conference of the Association of Medical Physicists of India held at AIIMS, Delhi. Very innovative scientific research conducted in collaboration with the National Institute of Technology, Kozhikode, in machine learning and artificial intelligence has been selected for this award. The title of the research paper is "CT image synthesis from MR images using Wasserstein Generative Adversarial Network (WGAN) Architecture". This proposed model tries to generate good-fidelity synthetic CT images, which helps in radiation treatment planning. This study will support MR-only radiation therapy while minimizing uncertainty in image fusion, cost of treatments and extra radiation exposure in the process of CT simulation.