

**Tamil Nadu and Puducherry Chapter
Association of Medical Physicists of India
23rd Annual Conference**

(TN & PY – AMPICON 2019)

7th – 8th September, 2019

Venue: Hotel Tri Sea

Theme: Medical Physics in Healthcare



**Organised by
Department of Radiotherapy
International Cancer Centre
C.S.I Medical Mission, Neyyoor, Kanyakumari**



Dear Colleagues,

Greetings from **TN & PY - AMPICON 2019!**

On behalf of the Organizing Committee, we are extremely delighted to welcome you all to the 23rd Annual Conference of Tamil Nadu and Puducherry Chapter of Association of Medical Physicists of India (TN&PY –AMPICON 2019) to be hosted by International Cancer Centre, Neyyoor, Kanyakumari and Tamil Nadu & Puducherry Chapter of Association of Medical Physicists of India, (TN&PY-AMPI) on 7 and 8 September 2019, the first at Neyyoor, Kanyakumari. It is the southernmost city of Peninsular/ contiguous India.

The theme of the conference is **“Medical Physics in Healthcare”**.

The discipline of Medical Physics plays an integral part in modern medicine healthcare service to patients in medical institutions/hospitals. The Medical Physicists play a key role in the provision of the service as a whole in the management of cancer patients in the medical field such as Radiation oncology, Radiology & Imaging and Nuclear Medicine., especially in the design of best treatment plans, Equipment calibration and maintenance, In-vivo dosimetry to verify the dose delivered to patient, Assurance of the accuracy of treatment equipment parameters, calculation of shielding requirements from radiation safety point of view to house radiation equipment, development and administration of radiation safety program including compliance with all regulatory and certifying authority to ensure the correct and accurate delivery of all aspects of a treatment prescriptions and diagnostic procedures, continuing education of radiation staff .

The Clinical outcome of cancer patient's treatment solely relies on precious and accurate delivery of prescribed radiation dose to the target volume by using the state-of-art - radiation treatment equipment such as Linear Accelerator, Telecobalt, X-knife, Gamma knife, Cyber knife, Tomotherapy and latest addition of Proton therapy equipment, and radiation dosimetry devices, radiation field analyser (RFA), radiation measuring and monitoring instruments and also depends

on correct function of medical imaging equipment such as digital X-ray units, CT scan, MRI scan, US scan, Gamma camera, SPECT, PET-CT, PET-MR, Cyclotron etc., which has been ensured by Medical Physicists by performing the periodic quality assurance program in Radiology and Nuclear Medicine departments to ensure the correct functionality of equipment with least possible radiation exposure to patient and medical professionals.

The preparation of these equipment's for clinical use and to obtain regulatory approval from the Atomic Energy Regulatory Body (AERB), which is the National Regulatory Body in India, is the responsibility of Medical Physics expert who is serving as a Medical Physicists in the respective medical institutions/hospitals.

This conference aims to explore and discuss the current development in the protocol of equipment calibration, patient dosimetry with respect to challenges, complexity and uncertainty in measurement and modelling of beam data for treatment planning system (TPS) commissioning for various radiotherapy treatment modalities.

We believe that this conference will be an important and meaningful event in bringing together professionals and in contributing to a better understanding of importance and challenges faced by Medical Physicists in healthcare delivery system.

It gives us immense pleasure to extend this invitation on behalf of Tamil Nadu and Puducherry Chapter of Association of Medical Physicists of India and International Cancer Centre, for Annual Meeting (TN&PY-AMPICON 2019) on 7 & 8 September 2019 at Kanyakumari.

The organising committee solicits your cooperation and participation to make it a memorable event.

We look forward to welcome you in Kanyakumari.

Please visit our website for the details of registration and abstract submission:
www.ampi-tnpy.org.in

Contact email: tnpyampi2019@gmail.com

Mobile : 9443605856, 97134 88732, 94449 28451

With warm regards

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Joint Organising Secretary
TN&PY-AMPICON2019

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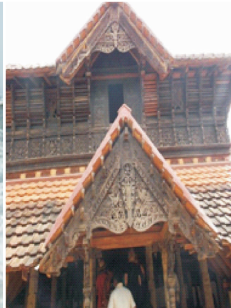
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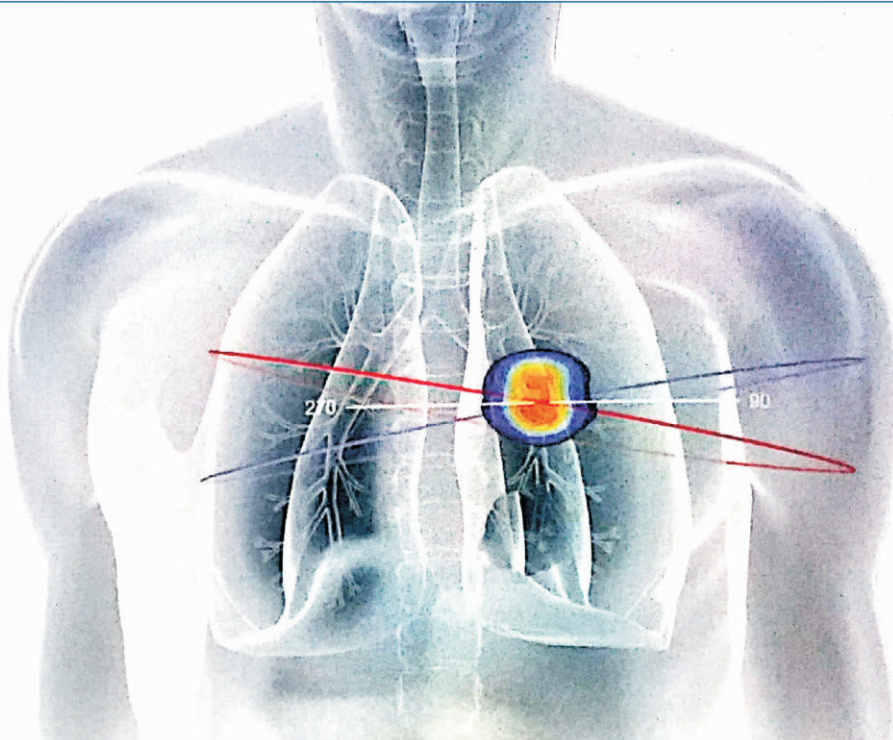
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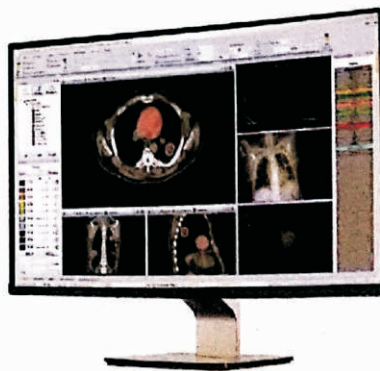
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