



Cosmopolitan Hospital, TVM & Radiologic Physics Foundation, Chennai.

-Invitation for one day workshop-

-First time in the country-



Radiation safety workshop in Interventional Cardiology (RSIC)

(Experts including AERB scientists and Medical Physicists will deliver lectures.)

**On 09-02-2025 at Cosmopolitan Hospital, TVM, 8th Floor
9am to 5pm**

Leading Faculties

Dr Thayalan Kuppusamy

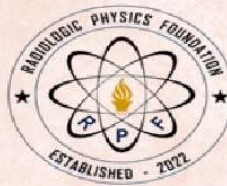
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With best wishes from AMPI Kerala Chapter.





Dear Friends ! Greetings to all !

We are happy to inform you that the Cosmopolitan Hospital and the Radiologic physics Foundation (RPF) are jointly organizing a one-day workshop on Radiation safety in International cardiology, for the first time in India. It is being organized at the Cosmopolitan Hospital, Thiruvananthapuram.

All of you are aware that Fluoroscopy is a real time imaging which employs a cath lab, C-Arm X-ray machines for medical application. It is known that Fluoroscopy is the highest contributor of radiation dose to both patients and occupational workers. It contributes about 30% of the total radiation dose though it is employed in 3% of patients. During the procedure all staffs; Cardiologists, Technicians, Nurses, and others are near the patients while X-ray beam on ON and the procedure may take from few minutes to hours. There is a chance that they may be exposed to higher level of radiation, that could exceed the occupational limits. Hence, it is decided to conduct a one-day workshop on interventional cardiology to emphasize radiation safety and standard operating procedures (SOP). Experts in the field will deliver lectures, including scientists, Physicists, in and around Kerala states.

The course is meant for radiation professionals of hospitals and health care institutions. Cardiologists, Radiologists, Post graduates of MD/DM course, Cathlab technicians, Nurses, Radiographers, Biomedical engineers, Medical physicist, and Graduates/Diplomas of Cardiac /Cath Lab Technology/ Radiography Technology course of Allied health sciences (AHS), Radiation Physics students can participate in the workshop.

This workshop shall create awareness on Radiological safety, especially in interventional cardiology procedures. It will provide immediate transfer of knowledge that can be used in clinical practice so that participants can carry out interventional radiation procedures with more confidence with minimal radiation exposure.

"Reduction of patient dose always reduces Occupational workers dose"

Only Sixty (60) participants will be enrolled as a first come-first serve basis. All participants are given certificates after the completion of the workshop which will be useful for NABH and NMC inspections and getting accreditation of hospitals or empanel of hospitals for treatment and insurance. In house practical demonstrations will also be planned.

The lecture topic includes:

- **Introduction to fluoroscopy**
- **Interaction of radiation with matter**
- **Radiological units & Operation limits**
- **Radiation detection & Measurements**
- **Biological effects of Radiation**
- **Planning a Radiological facility**
- **Regulatory requirements**
- **Quality assurance**
- **Personnel Monitoring**
- **Radiation Protection in Interventional Cardiology**



About Cosmopolitan Hospital, Thiruvananthapuram.

The Cosmopolitan Hospital is a leading private hospital in Thiruvananthapuram with full-fledged cathlab and state of art operation theatre complex and other facilities with experienced professionals with **Mrs.Chandrika Menon** as Chairperson and **Mr.Ashok P Menon** as Chief executive officer. **Dr.Abraham Thomas** is the Chief operating officer, **Dr.Srikumar Ramachandran** is the Medical superintendent and **Dr.R Biju MD.,DM.**, is the Head & Senior consultant, Interventional cardiology. The Hospital has an Educational and Research foundation which conducts Diplomate of National board (DNB) courses on various specialties. It also conducts CMEs for medical and paramedical staff regularly.

About Radiologic Physics Foundation

The Radiologic Physics Foundation (RPF) was started in April 2022 at Chidambaram,Tamil Nadu with a motto of promoting Radiologic physics education, Research and development, Training and Outreach in India and abroad by **Prof.K.Thayalan**. Its objectives include; to spread Radiologic physics application in medicine and Biology, organize academic activities and publish books/Guides to spread awareness. RPF already conducted a Radiation safety workshop in Dental radiology (2022) and Professional Certificate Program in Radiological Health and Safety (RaHaS, 2024-Chennai). First time RPF is joining hands with the Cosmopolitan Hospital to conduct a one-day workshop on Radiation safety in Interventional Cardiology (RSIC) in Thiruvananthapuram.

Advisors

- **Mrs. Chandrika Menon**, Chairperson, Cosmopolitan Hospital, Thiruvananthapuram
- **Mr.Ashok P Menon**, Chief executive officer, Cosmopolitan Hospital, Thiruvananthapuram.
- **Dr.R.Biju MD.,DM.**, Head, Senior consultant & interventional Cardiologist, Cosmopolitan Hospital, Thiruvananthapuram.
- **Dr.P.G.G.Kurup**, Former Chief Medical Physicist (Apollo Specialty Hospital, Chennai), Thiruvananthapuram.
- **Dr.Sushama P.** Associate Professor, Radiation physics, Government Medical College, Kozhikode & Chairman, AMPI, Kerala Chapter.

Faculties

- **Dr.G.Ramakrishnan**, Former Director, Directorate of Radiation safety, Kerala, Thiruvananthapuram (Mobile: 9447045874/ email: ramakrishnan212024@gmail.com)
- **Shri.V.S.Iyer**, Former Scientific Officer, Atomic Energy regulatory Board, C/o Conard Medical Solutions LLP, Mumbai (Email: vsiyer403t@gmail.com, Mobile: 9920717150).
- **Dr.Thayalan Kuppusamy**, Adjunct Faculty, Indian Institute of Technology-M,Chennai & Former Professor, Madras Medical College (Mobile: 9444157900/ Email: kthayalan@gmail.com)
- **Dr.P.Raghu Kumar**, Head, Department of Radiation physics, Regional cancer center, Thiruvananthapuram (Mobile: 9447237883/Email:raghu.rcc@gmail.com).
- **Dr.S.Senthil Kumar**, Assistant Professor of Radiological Physics, Madurai Medical College & Govt.Rajaji Hospital, Madurai (Mobile: 9787792090 / Email:senthilgh@gmail.com)
- **Dr.Praveen Kumar RD**, Associate Professor of Radiation Physics, Department of Nuclear Medicine, Govt.Medical College, Kozhikode. (mobile:9846237689/email: praveenkrd@yahoo.co.in)
- **Mr.Niju Thankachan T.** Assistant Professor of Radiation Physics, Govt. Medical College, Thiruvananthapuram (Mobile:9745057878/Email: tntniju@yahoo.co.in)
- **Mr.Mithun Sajeev**, Medical Physicist, Regional Cancer Center, Thiruvananthapuram (Mobile: 9869136447/Email:sajeevmithun@gmail.com)



Registration Fee ₹1000/- to all categories,
₹500/- for Students
It can be paid only through UPI. QR code attached.

For registration kindly click the link or scan the QR Code:

<https://forms.gle/CjPH8VfmWekdEjwL7#inbox/blank>

QR Code for Applying



QR Code for payment



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