



The Abdus Salam
International Centre
for Theoretical Physics



College on Medical Physics 2024:

Medical Imaging Physics - Enhancing the capability of medical physics in the Developing Countries to contribute to more effective and safer diagnostic medical imaging procedures of the population

Description:

The Physics of Medical Imaging equipment is complex and the safe function of this equipment requires medical physicists trained in theory, imaging procedures and applications. The Directors/lecturers in the ICTP College-2024 are very experienced medical physicists with international reputation.

MORE DETAILS:

Physics of the following contemporary Medical Imaging Equipment, plus related theory, principles, safety, optimisation and education transfer will be covered:

- X-ray sources of radiation
- Digital radiography, fluoroscopy, mammography
- New radiation detectors;
- Multi Detector Computed Tomography
- Nuclear Medicine Imaging
- SPECT & PET
- Hybrid Imaging systems
- Magnetic Resonance Imaging;
- Safety and quality control;
- Systems for PACS
- Capacity Building Principles and organisation of Medical Physics activities
- Resources and Methods for Effective Learning

COORDINATING DIRECTOR:

S. TABAKOV, King's College London & IUPESM, UK

DIRECTORS/LECTURERS:

- L. BERTOCCHI, ICTP, Italy
- P. BREGANT, ASU GI Trieste, Italy
- F. MILANO, University of Florence, Italy
- J. OSHINSKI, Emory University School of Medicine, Atlanta, USA
- R. PADOVANI, ICTP, Italy
- P. SPRAWLS, Emory University Atlanta, USA
- M. STOEVA, Medical University Plovdiv, Bulgaria & IOMP, UK
- S. TABAKOV, King's College London & IUPESM, UK
- S. TIPNIS, Medical University of South Carolina, USA



9 - 27 September 2024



Trieste, Italy



Deadline:

6 May 2024

LOCAL ORGANISER:

R. PADOVANI, ICTP, Italy

FURTHER INFORMATION:



E-mail: smr3967@ictp.it

Web: <https://indico.ictp.it/event/10505/>

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

