

Joint ICTP-IAEA Training Course on Quality Assurance, Quality Control and Optimization of Equipment and Procedures Used in Fluoroscopically-Guided Interventional Radiology



9 - 13 October 2023
An ICTP - IAEA meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/10218/>
smr3884@ictp.it

Medical imaging plays a pivotal role in accurate disease diagnosis and improved treatment of the patient and has proven to be invaluable to the whole process. Its use is vital at all levels of health care, in preventive medicine, curative and palliative care. Specifically in fluoroscopically-guided interventional procedures, modern X ray angiography systems are equipped with numerous protocols and tools for comprehensive clinical evaluation of the patient problem and can be used for treatment without long hospitalization periods.

Unfortunately, the education and training of medical physicists on quality assurance, dosimetry and particularly on optimization of procedures with the use of modern angiography systems is limited.

Furthermore, existing training programs are often outdated and irrelevant to the requirements of modern imaging. It is vital to widen the scope of quality assurance and dosimetry to meet these needs. This is particularly important in less resourced countries where the presence of well trained medical physicists is lacking, jeopardizing the safety and quality of the clinical process as well as patient outcome.

The focused training of these professionals to meet the high demands of the systems and related clinical needs will help them take an active high level role in the relevant medical departments.

The specific training course will focus on topics such as:

- Quality assurance and dosimetry
- Image quality evaluation
- Performance testing and its added value in the everyday clinical practice
- Optimization of clinical procedures
- Various software tools for dosimetry, patient data collection and data analysis
- Artificial Intelligence applications

How to apply:

Online application:
<http://indico.ictp.it/event/10218/>

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.

Director:

V. TSAPAKI, IAEA

Local Organiser:

M. ESPOSITO, ICTP

Speakers:

P. BREGANT, Trieste Hospital, Italy
P. GILLIGAN, EFOMP, Ireland
C. HONG YEONG, IOMP, Malaysia
C. MACCIA, CAATS, France
F. MALCHAIR, CAATS, Belgium
B.A. SCHUELER, AAPM, USA
A. TRIANNI, EFOMP Working Group
Angiography QC Chair, Italy

Deadlines:

For applicants requesting financial and/or visa support:

1 July 2023

For all other applicants

15 July 2023



The Abdus Salam
International Centre
for Theoretical Physics
www.ictp.it
Trieste, Italy

