



The Abdus Salam  
International Centre  
for Theoretical Physics



# Joint ICTP-IAEA Workshop on Patient Radiation Exposure Monitoring in Medical Imaging

## DESCRIPTION:

Patient radiation exposure monitoring in medical imaging is a key component in optimizing the radiation protection of patients.

The workshop will address the technical aspects of patient exposure monitoring, as well as the challenges related to its full implementation and ongoing maintenance.

## MORE INFORMATION:

The primary objective of patient radiation exposure monitoring is to advance optimization at the individual patient level and the operational level and support the establishment of Diagnostic Reference Levels (DRLs) as a key tool for optimization.

To achieve this goal, radiation exposure monitoring in medical imaging must encompass not only dose metrics but also image quality indicators to ensure quantification of clinical outcomes.

In addition, patient exposure monitoring provides valuable insights into trends in medical imaging doses and practices. Systematic collection and reporting of patient radiation exposure data enable estimation of contributions to collective dose and facilitate reliable comparison across countries and regions.

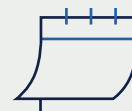
Furthermore, radiation exposure monitoring data can serve as a resource for epidemiological studies and other research initiatives on radiation effects and associated risks.

## TOPICS:

- Patient radiation exposure data and monitoring workflow
- Recording and collecting patient radiation exposure data
- Analyzing patient radiation exposure data
- Implementing of patient radiation exposure monitoring
- Future prospects of patient radiation exposure monitoring systems

## SPEAKERS:

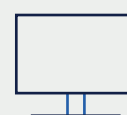
Dr. A. Trianni  
S. Chiara Hospital, Trento, Italy  
Dr H. Bosmans  
Katholieke Universiteit Leuven, Belgium  
Dr M. Steinberger  
LMU University Hospital, Munich, Germany  
Dr M. Brambilla  
Azienda Ospedaliero-Universitaria Maggiore della Carità, Novara, Italy  
Dr U. Zdesar  
ZVD Zavod za varstvo pri delu, Ljubljana, Slovenia



**09 - 13 Nov 2026**



**Trieste, Italy**



**Deadline:  
15 June 2026**

## DIRECTORS:

Vesna Gershan, IAEA, Austria  
Ola Holmberg, IAEA, Austria

## LOCAL ORGANIZER:

Marco Esposito, ICTP, Italy

## FURTHER INFORMATION:

E-mail: [smr4219@ictp.it](mailto:smr4219@ictp.it)

Web: <https://indico.ictp.it/event/11145/>

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.

