

# Joint ICTP-IAEA Workshop on Establishment and Utilization of Diagnostic Reference Levels in Medical Imaging



**18 - 22 November 2019**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/8729/>  
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Diagnostic Reference Levels (DRLs) are recognized as an important tool for optimization of radiation protection of patients in diagnostic imaging. Their utilization, however, is insufficient. Human resource limitations and lacking knowledge are recognized as challenges, particularly with respect to highly qualified medical physicists. The workshop will assist in overcoming this deficiency.

## Description:

The objective of the workshop is to contribute to the knowledge improvement on the concept of DRLs, in line with the requirement of the International Basic Safety Standards and the recommendations of the International Commission on Radiological Protection. Participants will learn about international experience and will perform practical exercises on steps in establishing DRLs and using them as an ongoing part of optimization of patient radiation protection. Proper patient dosimetry and use of automatic dose management systems will be also discussed.

Participants should be medical physicists or other clinical scientists who are involved in patient dose measurements and patient radiation protection in diagnostic imaging. They must be able to facilitate, motivate and cooperate with other persons in their own facility and in other facilities in their country, to carry out the necessary steps, after the workshop, to bring about the implementation of DRLs in their country.

## Topics:

- DRL concept and nomenclature
- Methodology of establishing DRLs
- Examples from different medical imaging modalities
- Application of DRLs in clinical practice
- Advanced concepts and applications
- Practical exercises with participants data

## How to apply:

Online application:  
<http://indico.ictp.it/event/8729/>

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:

J. Vassileva, IAEA

## Local Organizer:

R. Padovani, ICTP

## Lectures:

G. Bernardi, Italy  
M. Brambilla, Italy  
O. Ciraj-Bjelac, Serbia  
P. Colombo, Italy  
E. De Ponti, Italy  
S. Edyvean, UK  
R. Padovani, ICTP  
S. Riga, Italy  
E. Samei, USA  
A. Trianni, Italy  
J. Vassileva, IAEA

## Deadline:

**11 August 2019**



EFOMP



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