

## Regulatory Control of Radiation Protection in Medical Applications

**Sessions:** Once or twice a year

**Registration deadlines:** 3 months prior to course

**Duration:** 5 days

Certificate of attendance will be issued to participants who attend the full course.

**Price:** €2,500 for participants

**Code:** CO1024

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### Contact

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### Online catalogue

[www.enstti.eu/training-catalogue](http://www.enstti.eu/training-catalogue)

### Examination:

Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.

### Teaching methods:

- Lectures, discussions and practical sessions are included.
- Working group exercises and technical visits are supervised by experienced TSO experts.

A USB stick containing the course material will be provided.

### OBJECTIVES

To improve knowledge in the activities of nuclear regulatory authorities and technical support organizations with respect to the regulatory control of radiation protection in medical applications (radiotherapy, nuclear medicine and diagnostic and interventional radiology).

### TARGET AUDIENCE

Professionals from nuclear regulatory authorities or technical support organizations involved in the licensing and inspection of medical activities or facilities utilizing sources of ionizing radiation.

### PREREQUISITES

Participants need basic knowledge of ionizing radiation physics, dosimetric quantities and radiation dose measurement.

### PROGRAM

The five-part course covers:

- Part 1.** The nuclear regulatory framework.
- Part 2.** Medical applications for ionizing radiation.
- Part 3.** Radiation protection in medical facilities.
- Part 4.** Elements of the regulatory program for radiation protection in medical applications.
- Part 5.** Practical exercises and technical visits to nuclear-medicine and radiotherapy services.

### LEARNING OUTCOMES

- A better understanding of the nuclear regulatory framework, the international safety standards for radiation protection, and related EU legislation.
- Knowledge of the main elements of a regulatory program in radiation protection in medical applications.
- Knowledge of the types, design & application of radiation sources and equipment used in radiotherapy, nuclear medicine & diagnostic and interventional radiology.
- An ability to assess radiation protection measures and documentation in medical applications.