

Comprehensive Quality Management in Radiotherapy – Risk Management and Patient Safety 19-22 June 2022 | Lisbon, Portugal

Safety management is deeply embedded in the culture of radiation therapy, in the daily attitude of staff members, within the team and also with the patients. What exactly is the level of risk? How can we measure it? How can we manage patient safety in daily radiotherapy? These are the main topics of this course.

Target group

The course is aimed at radiation oncologists, medical physicists, radiation technologists, (quality/safety) managers and any other health professional interested in risk management and patient safety.

Background

This course is part of a two-year cycle on quality management in radiotherapy, consisting of two complementary modules:

- Risk management and patient safety
Quality improvement and indicators.

Industrial and medical activities expose operators, patients and the general public to the risk of accidents that cause corporeal or environmental damage (or both). Harm to operators is very uncommon in radiotherapy, but harm to patients does happen and has had considerable press coverage in many European countries. These widely publicised accidents have focused the attention of both the radiotherapy community and the regulatory authorities on the appropriate preventive actions that could be taken to avoid their repetition. Fortunately, accidents that actually result in harm to patients are rare. Conversely, small irregularities in the radiotherapy process are very frequent, many hundreds per year in every department. A key to the understanding of the genesis of accidents is the fact that these small irregularities (called precursors), as benign as they seem to be when considered in isolation, can mesh together to result in a fully developed accident. An accident is not the result of very uncommon irregularities; it is the coincidence of very common irregularities that unfortunately occur at a given point in time.

Course aim

Though accidents are rare and, above all, difficult to prevent, this course aims to identify their precursors. Actively working on these precursors (registration, description, classification), and working on improvements in the radiotherapy process (prevention) is an efficient way to substantially decrease the risk of accidents. In some European countries it is even mandatory to record and report on precursors. In addition, the course will also discuss preventive analysis that can be done on any radiotherapy process, by trying to identify critical elements that need specific monitoring or quality controls (failure mode analysis). An efficient incident recording system presupposes a good communication both within and sometimes outside the department. Elements of communication are therefore also discussed during the course with a final role-play as an illustration.

COURSE OVERVIEW

Learning outcomes

By the end of this course participants should be able to:

- Understand the cause, frequency and effects of incidents/accidents in a radiotherapy department
- Understand the principles of reactive management to incidents (registration, analysis and feed back to the Quality Management System) and of proactive management of safety (incident prevention)
- Know how to communicate around radiotherapy incidents, with the patient and his/her relatives, within the department itself and with the media.

ROADMAP

- ♦ RADIO THERAPY TREATMENT PLANNING AND DELIVERY
- RADIATION ONCOLOGIST, MEDICAL PHYSICIST, RADIATION THERAPIST, OTHER SPECIALIST

COURSE DIRECTORS

Brendan McClean (IE)
Petra Reijnders-Thijssen (NL)

TEACHERS

Tommy Knöös (SE)
Nicolas Pourel (FR)
Marcel Stam (NL)
Aude Vaandering (BE)

WORKING SCHEDULE

The course starts on Sunday, 19 June at 09:00 and ends on Wednesday, 22 June 2022 at 13:00.

LANGUAGE

The course is conducted in English. No simultaneous translation will be provided.

COURSE ORGANISATION

For any further information, contact ESTRO Office (BE): Agnès Delmas, Project Manager, adelmas@estro.org, M +32 470 300 448

COURSE VENUE

Ramada Lisbon****, Avenida Eng. Arantes Oliveira nº 9, 1900-221 Lisbon, Portugal
Tel: 00351 21 843 43 13 Fax: 00351 21 846 08 37

ACCOMMODATION

Participants should contact the [project manager](#) to receive the hotel booking form and benefit from special rates until 31/03/2022. After this date, participant reservation will be based upon the hotel availability and different rates.

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities during this teaching course should contact Agnès Delmas, adelmas@estro.org, M +32 470 300 448



Course content

- What is risk? Psychology of making mistakes
 - Ethics for radiation medicine professionals. A just reporting culture
 - Example of the genesis of an accident (take a recent example, relevant to radiotherapy of today)
 - ROSEIS: the precursor in Europe. Frequency of incidents (who reports and what type of incidents are reported)
 - Taxonomy and classification, distinction between incident and accident
 - Analysis and return on experience (root cause analysis)
 - PRISMA as example (The Netherlands)
 - Benchmarking
 - Bowtie, scenario analyses
 - Health failure mode and effect analysis (HFMEA), a prospective risk management method
 - Practical exercises (hands on)
- Communication:
- to the patient
 - to the media
 - to the organisation (departmental, hospital level)
 - Specific training of staff, internal and external (team management)
 - National systems for reporting to regulatory authorities (France)
 - Comprehensive quality management in Radiotherapy Legal aspects of incident reporting
 - Performance indicators.

Prerequisites

The two courses on Quality Management, Risk Management and Quality Assessment, have been designed to be complementary and it is recommended to attend both to get a complete picture of quality management. However, the order in which they are taken does not matter. To fully profit from the course it is recommended that participants have at least three years' experience in a radiation oncology or medical physics department to have a complete picture of the radiotherapy process.

Teaching methods

- 16.5 hours of lectures
- 4.5 hours of practical workshops

Methods of assessment

- Evaluation form

PARTICIPANTS SHOULD REGISTER ONLINE [HERE](#)

These pages offer the guarantee of secured online payments. The system will seamlessly redirect you to the secured website of OGONE (see www.ogone.be for more details) to settle your registration fee.

If online registration is not possible, please contact us.
ESTRO OFFICE: education@estro.org

Registration fees

Please check the early deadline date on our website.

	EARLY FEE	LATE FEE
In-training members *	€ 450	€ 625
Members	€ 600	€ 725
Non members	€ 750	€ 850

*Radiation Therapist (RTT) members are eligible for the in-training fee.

The fee includes the course material, coffees, lunches, and the social event.

REDUCED FEES are available for ESTRO members working in economically less competitive countries. Check the eligible countries and the selection criteria on the website [HERE](#)

ESTRO GOES GREEN Please note that the course material will be available online. No printed course book will be provided during the courses.

Advance registration and payment are required. On-site registration will not be available.

Since the number of participants is limited, late registrants are advised to contact the ESTRO office before payment, to inquire about availability of places. Access to homework and/or course material will become available upon receipt of full payment.

Insurance and cancellation

The organiser does not accept liability for individual medical, travel or personal insurance. Participants are strongly advised to take out their own personal insurance policies.

In case an unforeseen event would force ESTRO to cancel the meeting, the Society will reimburse the participants fully the registration fees. ESTRO will not be responsible for the refund of travel and accommodation costs.

In case of cancellation, full refund of the registration fee minus 15% for administrative costs may be obtained up to three months before the course and 50% of the fee up to one month before the course. No refund will be made if the cancellation request is postmarked less than one month before the start of the course.

WWW.ESTRO.ORG/COURSES

