

Comprehensive Quality Management in Radiotherapy: Quality Assessment and Improvement

19 April 2021 - **ONLINE COURSE**

The course starts with Day 1 of live introduction and webinar lectures on 19 April at 1.30 pm. With Day 2 of Practical Discussions on the following week. End of course is on 17 May at 4. pm.

The schedule is set in Central European Summer Time (CEST).

Target group

Good quality is impossible to attain if quality standards are not embedded in the culture of the department/institution. Therefore, all staff contributing to the treatment chain are encouraged to attend. Obviously without a heavy involvement of team leaders a quality system will be difficult to set up and to maintain, consequently, all heads of departments and future leaders - should ideally be familiar with what this course will cover.

For the above reasons, the course is aimed at radiation oncologists, medical physicists, radiation therapists (RTTs) and hospital/department administrators. It is also of interest to any team member who might have embarked on a teaching programme with the aim of becoming head of department.

Course aim

The course aims to:

- Deliver a comprehensive overview of how to set up a quality system in a department, define useful quality indicators and learn different methods to monitor and improve quality
- Provide awareness of what clinical audits and clinical trials can contribute to a quality system

- Introduce techniques for technology assessment and algorithms to calculate staffing levels in a department, topics of outmost importance in this time of financial crisis.

Learning outcomes

By the end of this course participants should be able to set up or review the quality system in their department.

In particular they should be able to:

- Explain how risk management, quality monitoring and quality improvement are linked
- Construct a process chart from the different steps in the treatment
- Define quality indicators and quality standards
- Compare tools and methods to monitor quality, application to radiotherapy
- Apply LEAN method for quality improvement
- Explain how clinical audits are set up and how they contribute to quality assessment and improvement
- List different methods for technology assessment
- Perform staffing levels calculations.

COURSE DIRECTORS

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TEACHERS

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PROJECT MANAGER

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LANGUAGE

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

COURSE

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Teaching methods

The course has a blended learning approach where recorded lectures and web-based interactive sessions and feedback are combined.

The course includes:

- Lectures with Q&A sessions – live webinars
- Practical Workshops
- Case Discussions

Methods of assessment

- Evaluation form
- MCQ

Key words

Quality management, quality improvement, health economics, technology assessment, quality indicators.

Working schedule*

For this online edition the course will be extended to five weeks. The course sessions will be held on Monday and Tuesdays afternoons from 13:30 to 18h (Please find the exact time on the course Scientific Programme). They will include lectures and seminars where the practicals will be discussed. The participants will have a week to prepare each of the practical's individually and by groups with the help of a tutor. We aim to allow the participants to put to practice what will have been discussed in the lectures and to learn how to work in a multidisciplinary and international group.

19 April (13:30 – 18:10)

Introduction & Lectures

26 April (15:00 – 16:45)

Practical discussion

27 April (13:30 – 18:00)

Lectures

3 May (15:00- 16:45)

Practical discussion

4 May (13:30 – 17:15)

Lectures

10 May (15:00-16:45)

Practical discussion

11 May (13:30 – 17:00)

Lectures

17 May (13:30 – 15:00)

Practical discussion and wrap up

*PLEASE NOTE THE SCHEDULE IS PROVIDED IN CEST (Central European Summer Time) ZONE

For detailed schedule please follow the link: <https://estro.org/Courses/2021/Comprehensive-quality-management-in-radiotherapy>

PARTICIPANTS SHOULD REGISTER ONLINE AT:

To find further information and to register please visit:

<https://estro.org/Courses/2021/Comprehensive-quality-management-in-radiotherapy>
or send an email to education@estro.org.