Clinical Audits in Radiation Oncology: Training for Auditors and Auditees

Enhancing Quality and Safety in Radiotherapy

Why Join the Course?

Radiotherapy is a critical component of cancer treatment, requiring strict quality assurance to ensure patient safety and treatment efficacy. Clinical audits are not just a regulatory requirement under the Basic Safety Standards Directive (BSSD 2013/59/Euratom); they are a fundamental tool for fostering a strong quality culture in radiotherapy. By systematically assessing adherence to best practices, clinical audits help identify areas for improvement, promote collaboration among professionals, and harmonize quality standards across different centers. The course provides specialized training to equip professionals with the skills to conduct and participate in clinical audits effectively. It also equips professionals with the necessary skills to drive continuous improvement, ensuring high-quality, equitable, and safe radiotherapy treatments for all.

Register at: http://docencia.recercasantpau.cat/ca/enllac-a-inscripcio/867

Course Overview

- **Title:** Clinical Audits in Radiation Oncology: Training for Auditors and Auditees.
- **Organized by:** CAT-ClinART Project (EU4Health Programme) under Sant Pau Docent.
- **Location:** Hospital Sant Pau, Barcelona, Spain (In-Person Only).
- **Dates:** 10th to 13th June 2025.
- **Course Directors:** Núria Jornet, Antonio Herreros and Gemma Sancho.
- **Target Audience:** Radiation oncologists, medical physicists, RTTs, and quality managers.
- **Duration:** 4 days.
- **Certification:** Continuing Professional Development for health professions (CPD) points have been requested.
- **Language:** English.
- **Endorsed by:** SEFM and SEOR

Course Objectives

- Understand the principles and benefits of clinical audits in radiotherapy.
- Learn the QUATRO methodology for comprehensive clinical audits in radiotherapy.
- Develop skills to conduct both internal and external clinical audits.
- Introduction to quality indicators, Quality standards and benchmarking.
- Gain hands-on experience through case studies and real-life audit simulations.
- Foster a culture of continuous quality improvement in radiotherapy departments.
- Understand the legal framework, including compliance with the **Basic Safety Standards Directive (BSSD 2013/59/Euratom).**

Benefits of Participation

- Improve quality and safety in radiotherapy treatments.
- Enhance collaboration between multidisciplinary teams.
- Learn from leading experts in clinical audits.
- Contribute to harmonizing radiotherapy practices in Catalonia and beyond.

What does the course fee include?

- Course material.
- Certificate of completion with CPD points
- Opportunity to connect with leading experts in the field
- 4 coffee breaks and 2 lunches.

Course Program

10th June

Time	Lecture	Faculty
8.30 - 9:00	**Registration**	
9:00 - 9:15	**Welcome address**	Gemma Sancho
9:15 - 9:45	**Introduction to the course** Frame the course within a Quality Management System and also introduce the CAT-ClinART Project	Antonio Herreros
9:45-10:15	**Current situation of Clinical Audits in RT: Summary of QUADRANT results** Explain the results of the QUADRANT report on Clinical Audits in RT	Núria Jornet
10:15-10:45	**Audit vs Inspection** Herca position statement on the differences between a clinical audit and an inspection	Núria Jornet
10:45-11:15	**QUATRO and B-QUATRO audits: Commonalities and differences** Overview of QUATRO and B-QUATRO focusing on the commonalities and differences	Aude Vaandering
11:15 - 11:45	*Coffee Break*	
11:45 - 12:15	**QUATRO terminology** Introduce the terminology used in QUATRO, including terminology used in the checklists	Primoz Strojan
12:15 - 12:45	**Audit components** Go through the different components such as infrastructure, Patient Procedures, Equipment Procedures, Quality Management Structure	Aude Vaandering
12:45 - 13:15	**Audit QUATRO team** Introduction to the components of the QUATRO team, importance of team work and the roles of each component and the role of the team leader	Núria Jornet
13:15-13:45	**Audit Structure** Introduction to the audit temporal structure; Preparation, Auditors vist and Final report	Primoz Strojan

11th June

TIme	Lecture	Faculty
9:00 - 9:30	**Audit methodology: Checklists, standardized forms, observation and interviews** Introduction to the different tools for auditing	Primoz Strojan
9:30 - 10:00	**Audit methodology B-QUATRO** B-QUATRO excel collection sheets and spider diagrams, the role of the Quality manager	Aude Vaandering
10:00 - 10:30	**Entrance and exit meetings** What should be covered in the entrance and exit meetings and to whom they are addressed	Dirk Verellen
10:30 - 11:00	*Coffee break*	
11:00-11:30	**The role of the MPE** Explain the role of the MPE including the dosimetry audits	Dirk Verellen
11:30-12:00	**The role of the RO** Explain the role of the RO, including the attendance to MDT meetings, clinical record review, etc	Primoz Strojan
12:00-12:30	**The Role of the RTT** Explain the role of the RTT, including the observation of practice at treatment units, education and training of RTTs, etc	Aude Vaandering
12:30 – 13:15	**Auditors code of conduct and required skills** Overview of the ethical principles, professional responsibilities, and key competencies required for auditors.	Primoz Strojan
13:15 - 14:15	*Lunch*	
14:15 - 15:00	**Dosimetry audit BQUATRO and QUATRO** Description of the dosimetry audits conducted during QUATRO audits and Dosimetry audits in BQUATRO through BeldART	Núria Jornet and Dirk Verellen
15:00 - 15:30	**Dosimetry audit CAT-ClinART** Introduction to the components of the QUATRO team, importance of team work and the roles of each component	WP4 Task group on dosimetry audits
15:30-16:30	**Clinical case audit** Demo on how the review of a clinical case would be performed	Primoz Strojan, Dirk Verellen, Aude Vaandering
20:00-22:00	**Faculty Dinner**	

12th June

Time	Lecture	Faculty
9:00 - 9:15	**Infrastructure checklists** Introduction to the practical exercice	Primoz Strojan
9:15 - 10:15	**Practical in groups: Infrastructure checklists** 45 min of team work filling in the checklist followed by a discussion	Primoz Strojan, Dirk Verellen, Aude Vaandering, Núria Jornet
10:15 - 10:45	*Coffee Break*	
10:45-11:00	**Patient related procedures checklists** Introduction to the practical exercice	Aude Vaandering
11:00-12:00	**Practical in groups: Patient related procedures checklists** 45 min of team work filling in the checklist followed by a discussion	Primoz Strojan, Dirk Verellen, Aude Vaandering, Núria Jornet
12:00-12:30	**What to do when we do not have standards?** Discussion on how to proceed when there are no standards	Dirk Verellen
12:30 - 14:30	*Lunch*	
14:30 - 14:45	**Equipment and IT related checklists** Introduction to the practical exercice	Dirk Verellen
14:45 - 15:45	**Practical in groups: Equipment and IT related checklists** 45 min of team work filling in the checklist followed by a discussion	Primoz Strojan, Dirk Verellen, Aude Vaandering, Núria Jornet
15:45-16:00	**Quality management related checklists** Introduction to the practical exercice	Aude Vaandering
16:00- 17:00	**Practical in groups: Quality management related checklists** 45 min of team work filling in the checklist followed by a discussion	Primoz Strojan, Dirk Verellen, Aude Vaandering, Núria Jornet

13th June

Time	Lecture	Faculty
9:00– 9:30	**Writing the final report: dos and don'ts** How the final report should look like including practical examples	Primoz Strojan
9:30 – 10:00	**Experience B-QUATRO** Explain lessons learnt from B-QUATRO audits and the feedback from auditors and auditees	Aude Vaandering
10:00-10:30	**How to maintain a permanent audit service** Experience from Belgium and B-QUATRO will be explained	Dirk Verellen
10:30 - 11:00	*Coffee break*	
11:00 - 12:30	**Quality Indicators** Introduce the concept of quality indicator, types and how they are defined.	Aude Vaandering
12:30 - 13:00	**Presentation of CAT-ClinART QI** Describe the QI that will be collected within CAT-ClinART clinical audit pilot	Xavier Maldonado
12:30 - 13:00	**Collection and benchmarking of QI in CAT-ClinART** Description and demonstration of the tools for QI reporting	Carles Muñoz
13:00-13:30	**Final conclusions** Wrap up and messages to take back home	Gemma Sancho

Faculty

Dr. Antonio Herreros

Medical Physics Expert.

Servei d'Oncologia Radioteràpica. Hospital Clínic, Barcelona. Professor Associat Universitat de Barcelona, Spain

Dra. Núria Jornet

Medical Physics Expert.

Servei de Radiofísica i Radioprotecció. Hospital de la Santa Creu i Sant Pau. Barcelona, Spain.

Dra. Aude Vaandering

RTT and Quality Manager

Radiotherapy Department Cliniques Universitaires St Luc, Brussels, Belgium.

Professor Dirk Verellen

Medical Physics Expert.

Director Medical Physics Department and Professor Biomedical Physics. Iridium Netwerk, GZA Ziekenhuizen, Antwerp University, Antwerp, Belgium

Professor Primoz Strojan

Radiation Oncologist

Consultant Radiation Oncologist. Head of the Multidisciplinary Head and Neck Tumor Board. Head of the Working Group for Proton Therapy Implementation. Institute of Oncology Ljubljana, Slovenia

Dr. Xavier Maldonado

Radiation Oncologist

Director del Servei d'Oncologia Radioteràpica. Hospital de la Valle Hebron, Barcelona, Spain.

Dra. Gemma Sancho

Radiation Oncologists

Directora del Servei d'Oncologia Radioteràpica. Hospital de la Santa Creu i Sant Pau, Barcelona, Spain.

Dr. Carles Muñoz

Medical Physics Expert

Director Servei de Radiofísica i Radioprotecció ICO. Institut Català d'Oncologia, Girona, Spain

Registration

Registration	Rate	Deadline
Early	240	15th May 2025
Late	350	6th June 2025

Registrations are limited to 35 participants.

Registration link :

http://docencia.recercasantpau.cat/ca/enllac-a-inscripcio/867

Curso Avalado por:

SEOR SOCIEDAD ESPAÑOLA DE ONCOLOGÍA RADIOTERÁPICA

SEFM SOCIEDAD ESPAÑOLA DE FÍSICA MÉDICA

Vanguardia Oncológica