

Programme - OPTIMIZE-RT dissemination event in Monza, Italy

Date: 16 October 2026, 9am-1.50pm CET

Venue: Fondazione IRCCS San Gerardo dei Tintori, Monza (room: TBA)

Time	Topic	Speaker	Moderator
0900	Welcome, Introduction of Partners	FSGT – Valerio Pisoni and Valeria Faccenda	
0910	Overview of the OPTIMIZE-RT project	UM - Guilherme Couto	
0930	What is optimisation? Results of the research: “What procedures are used in CBCT optimisation internationally?”	ICRP – Colin Martin	FSGT - Prof. Stefano Arcangeli
0950	- Evidence from the literature - Evidence from a European survey - Proposing a procedure for CBCT optimisation based on the evidence	ESSPP – Ana Cravo Sá & UM – Cláudia Aradas	ESTRO – Yat Tsang
1020	CBCT exposure parameters that can be optimised	IPOP – Luis Cunha	
1040	Coffee Break		
1100	CBCT dose metrics	IPOP – Anabela Dias	FSGT - Dr. Elena De Ponti
1120	CBCT quantitative image quality metrics	IPOP – Luis Cunha	EFOMP – Efi Koutsouveli
1140	CBCT qualitative image quality metrics	UM – Francis Zarb	
1200	Details about the CBCT optimisation course	UM – Francis Zarb	
1220	Final panel discussion	All speakers	UM – Guilherme Couto
1250	Networking (with standing lunch)		
1350	Closing		



Learning Outcomes of the OPTIMIZE-RT event in Monza

- Explain the concept of optimisation and its importance for patient safety
- Discuss the advantages and disadvantages of the procedures used to perform CBCT optimisation (in radiotherapy)
- Describe the CBCT exposure parameters that can be optimised
- Describe and discuss the dose and image quality metrics that can be used to compare protocols
- Discuss with peers the local practice and exchange stories of success and areas of improvement

Description

The OPTIMIZE-RT project aims to develop and validate a fully online course on optimisation of CBCT in Radiotherapy. The main importance of this project is that most RT centres in Europe use unnecessarily high CBCT doses and many have never optimised their protocols.

The course will be reviewed by experts from ESTRO, EFRS, EFOMP, and ICRP, and tested by at least 8 multidisciplinary teams (Medical Physicists, RTTs/Radiographers, Radiation Oncologists, Quality Managers, etc.) from hospitals across Europe (including partners and external hospitals). As part of the course, the multidisciplinary teams will learn how to optimise CBCTs and will implement the procedures in their own hospitals. The optimisation results will be presented at the final event in Porto in 2028.

This event will cover the very basics of optimisation and allow us to showcase the subjects to be covered in more detail during the online course.

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