

### SCIENTIFIC PROGRAMME

#### Course Director

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<b>SUNDAY 23 April 23: Introduction / Set up a Quality System / Roles and responsibilities / Staffing levels</b>		
9:00 – 09:30	<b>Registration</b>	
9:30 – 10:00	Introduction, motivation of the course	NJ - NP
10:00 – 10:45	Why do we need to assess and improve quality in RO	NJ
10:45 – 11:15	<b>Coffee Break</b>	
11:15 – 11:45	The link between risk and quality management Example on prospective risk management	NJ
11:45 – 12:15	Setting up a Quality Management System: how to start	NP
12:15 – 13:00	Organization of a Radiotherapy Department: The writing Internal rules, assignment of responsibilities and roles, procedures and charts	NP
13:00 – 14:00	<b>Lunch</b>	
14:00 – 14:45	Quality indicators in Radiation Oncology The need, definition of quantitative and qualitative QI Radiotherapy resource levels: What are they and What should they be?	AC
14:45 – 15:30	Practical exercises • Quality Indicators in RT	AC-NJ
15:30 – 15:45	<b>Coffee Break</b>	
15:45 – 16:30	Practical exercises • Quality Indicators in RT	AC_NJ
16:30 – 17:00	Wrap up of the practical exercises and general discussion/evaluation	All

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<b>MONDAY 24 April 2023: Quality Assessment</b>		
09:00 – 09:45	<i>Methods for monitoring QI: Statistical Process Control</i>	SC
09:45 – 10:30	How to set action limits: How to link clinical tolerances, uncertainties and action limits	SC
10:30 – 11:00	<b>Coffee Break</b>	
11:00 – 11:45	Clinical trials credentialing methods	CH
11:45 – 12:30	How to set up a clinical audit	NJ
12:30 – 13:30	<b>Lunch</b>	
13:30 – 14:15	Real world data and QM (include patient related outcomes) QI	AA
14:15 – 15:00	Radiotherapy resource levels: What are they and What should they be?	AA
15:00 – 15:15	<b>Coffee Break</b>	
15:15 – 16:00	Practical exercise: Defining roles and responsibilities	NP-SC
16:00 – 17:00	Practical exercise: Provision of personnel	AC-AA

<b>TUESDAY 25 April 2023: Quality Improvement Tools</b>		
09:00 – 09:45	Creating a Culture of Continuous Improvement in a Radiation Therapy Department	NP
09:45 – 10:30	Peer review as a quality improvement tool	AC
10:30 – 11:00	<b>Coffee Break</b>	
11:00 – 11:45	The impact of performance measurement on quality improvement at the institution level	AA
11:45 – 12:30	Quality Tool Quality improvement tools: Methodology of Lean thinking Overview of different quality tools that can be used. Introduction to lean thinking	MvO
12:30 – 13:30	<b>Lunch</b>	
13:30 – 14:15	Quality improvement tools: Lean thinking in Radiation Oncology	MvO
14:15 – 15:00	Exercise on Lean management: Presentation of the results by groups	MvO-CH
15:00 – 15:15	<b>Coffee Break</b>	
15:15 – 16:00	Exercise on Lean management: Presentation of the results by groups	MvO-CH
16:00 – 16:30	Wrap up of the practical and general discussion/evaluation	All

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WEDNESDAY 26 April 2023: Quality Audits/Clinical trials		
08:00 – 08:45	Clinical trials methods: How to use lessons learned from clinical trials credentialing in day to day clinical practice	CH
08:45 – 09:30	Health technology assessment and value for money of Quality in RT How to set up a clinical audit	AA
09:30 – 10:00	<b>Coffee Break</b>	
10:00 – 10:45	EU and quality in RT; What is on?	CH
10:45 – 11:15	Wrap up: Message to take home	NJ - NP