

# HERCA Inspector Workshop in Radiotherapy

## Program

7.-9. June 2023

Vantaa, Finland

Day 1 – Introduction and Presentations	
9:00	<b>Opening Information</b> (Petra Tenkanen-Rautakoski)
09:15	<b>Setting the Scene</b> (Eva Friberg, Philipp Trueb)
09:30 – 10:30	<b>Role and Task of a modern Radiation Protection Authority in Health Care</b> (Philipp Trueb)
10:30 - 10:50 – Coffee Break	
10:50 – 11: 20	<b>Challenges in Radiation Safety, Role of EFOMP in Radiation Safety, Role of Inspections by the Authority, future needs for regulations in RT</b> (Eeva Boman)
11:20 – 11:50	<b>Challenges in Radiation Safety, Role of ESTRO in Radiation Safety, Role of Inspections by the Authority, future needs for regulations in RT</b> (Mary Coffey)
11:50 – 12:10	Discussions
12:10 – 13:00 Lunch	
13:00 – 14:30	<u>Improving inspector competence 1</u> <ul style="list-style-type: none"> <li>• <b>Quality Assurance of External Beam Radiotherapy</b> Mohammed Ali Ghazal (Karolinska University Hospital)</li> <li>• <b>Dosimetry protocols of External Beam Radiotherapy</b> Ilkka Jokelainen (STUK)</li> <li>• <b>Technical documentation of Authorisation and Inspection</b> Jenia Vassileva (IAEA)</li> <li>• Discussions</li> </ul>
14:30 - 14:50 – Coffee Break	
14:50 – 16:20	<u>Improving inspector competence 2</u> <ul style="list-style-type: none"> <li>• <b>Sufficient staffing in a radiotherapy unit</b> Prof. Horton (EPA consultant)</li> <li>• <b>Safety in radiotherapy: responsibilities of health professionals</b> Jenia Vassileva (IAEA)</li> <li>• <b>Experience after Epinal, Risk assessment</b> Carole Rouse (ASN)</li> <li>• Discussions</li> </ul>
16:30 – 17:00	<b>Summary</b> of the day and introduction to working groups (Eva Friberg)
17:00	Welcome Reception – get together

Day 2 - Workshops	
08:30 – 10:00	<p>Session 1: How to inspect <b>radiation safety measures</b>?</p> <ul style="list-style-type: none"> <li>• Introduction to the working groups (Philipp Trueb)</li> <li>• Working Groups <ul style="list-style-type: none"> <li><u>WG1</u>: Use of technical support organisations (TSO) and other external bodies (Moderator1, Rapporteur1)</li> <li><u>WG2</u>: Imaging for treatment planning (Moderator2, Rapporteur2)</li> <li><u>WG3</u>: Safety culture (Moderator3, Rapporteur3)</li> </ul> </li> </ul>
10:00 - 10:30 – Coffee Break	
10:30 – 12:00	<p>Session 2: How to inspect the <b>patient dosimetry</b>?</p> <ul style="list-style-type: none"> <li>• Working Groups <ul style="list-style-type: none"> <li><u>WG4</u>: Therapy planning and dosimetry (M4, R4)</li> <li><u>WG5</u>: Verification of patient dosimetry calculations (M5, R5)</li> <li><u>WG6</u>: Phantom measurements and in-vivo dosimetry (M6, R6)</li> </ul> </li> </ul>
12:00 – 13:15 Lunch	
13:15 – 14:45	<p>Session 3: How to inspect the <b>quality assurance</b>?</p> <ul style="list-style-type: none"> <li>• Working Groups <ul style="list-style-type: none"> <li><u>WG7</u>: QA Handbook and Patient tracks description (M7, R7)</li> <li><u>WG8</u>: Technical quality assurance by staff and vendor (M8, R8)</li> <li><u>WG9</u>: Incident management (M9, R9)</li> </ul> </li> </ul>
14:45 - 15:15 – Coffee Break	
15:15 – 17:00	Summary and discussions on results from working group <b>radiation protection measures</b> (R1-3)
17:00	End
20:00	Official Workshop Dinner

Day 3 - Conclusions	
08:30 – 10:00	Summary and discussions on results from working group <b>patient dosimetry</b> (R4-6)
10:00 - 10:30 – Coffee Break	
10:30 – 12:00	Summary and discussions on results from working group <b>quality management</b> (R7-9)
12:00 – 13:00 Lunch	
13:00 – 14:00	Feedback, Conclusions and Outlook (Eva Friberg, Philipp Trueb)
14:00	End of Workshop