

## Workshop and training course on QA/QC in PET scanners

Oncology Centre Bydgoszcz, March 22-24, 2023

Information on the event: <https://www.kcor.gov.pl/pol9027>

Workshop language: English

From	to	Day 1 - 22.03.2023 (hybrid)	
		Topic	Lecturer
09:30	10:00	Welcome and Introduction of the POL9027 Project	Project representative
10:00	10:30	Participants' self-introduction	all
10:30	11:00	coffee break	
11:00	11:30	Introduction to PET in clinical routine and science (recorded lectures <sup>*)</sup> ) - summary talk	Ivo Rausch, IAEA expert
11:30	12:30	Questions & Answers to Lectures	Elena De Ponti, IAEA expert Ivo Rausch, IAEA expert all
12:30	13:30	lunch	
13:30	14:00	Quality control in PET/CT (recorded lectures <sup>*)</sup> ) - summary talk	Elena De Ponti, IAEA expert
14:00	15:00	Questions & Answers to Lectures	Elena De Ponti, IAEA expert Ivo Rausch, IAEA expert all
15:00	15:30	coffee break	
15:30	16:30	Discussion	Elena De Ponti, IAEA expert Ivo Rausch, IAEA expert all

<sup>\*)</sup> All recorded lectures will be available in KCORwOZ's Youtube channel.

From	to	Day 2 - 23.03.2023 (on site)		Day 3 - 24.03.2023 (on site)	
		Topic	Lecturer	Topic	Lecturer
09:00	10:00	Cross calibration & NEMA IQ phantom filling. Training without isotopes	IAEA experts	Dose issues in PET/CT	Ivo Rausch, IAEA expert
10:00	11:00			Artifacts Quiz	Elena De Ponti, IAEA expert Ivo Rausch, IAEA expert
11:00	12:00	lunch		lunch	
12:00	16:30	<p><b>Regular QC</b></p> <p>1. Daily QC</p> <p>2. Cross Calibration</p> <ul style="list-style-type: none"> <li>- filling the Phantom</li> <li>- Measurements</li> <li>- Evaluation</li> </ul> <p>3. NEMA IQ</p> <ul style="list-style-type: none"> <li>- filling the Phantom</li> <li>- Measurements</li> <li>- Evaluation</li> </ul>		<p><b>Acceptance testing</b></p> <p>1. Resolution</p> <ul style="list-style-type: none"> <li>- preparing a source</li> <li>- positioning/measurement</li> </ul> <p>2. Sensitivity</p> <ul style="list-style-type: none"> <li>- filling the line source</li> <li>- measuring sensitivity</li> </ul> <p>3. NEC</p> <ul style="list-style-type: none"> <li>- filling the line source</li> <li>- preparing the measurement</li> </ul> <p>Note: NO full measurement planed, just preparing the source with and start a measurement in case holders are available)</p>	
16:30	17:00			Questions & Answers and Farewell	all