

International Mammography Screening Training Course for Radiographers

Target audience: Radiographers interested in breast imaging, with or without prior experience in mammography.

Format: 5-day intensive course combining theoretical lectures, demonstrations, hands-on practical training, image review, and competency assessment.

Language: English

Course dates:

- 11–15 November 2026
- 20–24 January 2027
- 17–21 February 2027
- 14–18 April 2027

An application has been submitted for CME/CPD accreditation of this event

Breast cancer screening requires highly skilled radiographers who are able to obtain high-quality mammographic images while ensuring patient comfort and safety. This course provides a structured approach to mammography positioning, image quality optimisation, patient communication, ergonomics, quality assurance, and emerging technologies used in breast imaging.

The course combines theoretical teaching with extensive practical training. Participants will progressively develop their positioning skills through peer-to-peer practice, simulation exercises, image review sessions, and supervised hands-on training. Practical sessions will include positioning practice on fellow participants and breast models where appropriate. Throughout the course, participants will receive continuous feedback from faculty to support skill development and image quality improvement.

Objectives

By the end of the course, participants will be able to:

- Understand the role of the radiographer within a breast cancer screening programme.
- Apply correct positioning techniques for standard projections - standard craniocaudal (CC) and mediolateral oblique (MLO) projections and additional mammographic views when indicated
- Recognise common positioning errors and implement corrective actions.
- Assess mammographic image quality using established quality criteria.
- Communicate effectively with women attending breast cancer screening.
- Apply ergonomic principles during mammography examinations.
- Understand the principles of mammography physics, quality assurance, and radiation protection.

- Recognise the role of artificial intelligence and emerging technologies in breast imaging.
- Perform standard mammography examinations independently and safely.

Course Programme

Day 1

09:00 – 09:10 - Welcome, introductions, and overview of the day's objectives

09:10 – 09:30 Results of project-based screening survey **Ilze Enģele / Dace Mice Latvia**

09:30 – 10:15 - Theory Recap - Radiologist Presentation - **Francesco Regini, Giulia Picozzi, Italy**

10:15 – 11:00 – Standart (CC,MLO) positioning - **Anna Radiona Latvia**

11:00 – 12:00 - Peer-to-peer Simulation: practicing standard CC and MLO positioning on each other (no full compression or imaging) – **Zinta Simanoviča Latvia**

12:30 – 13:00 - Lunch break

13:00 – 13:40 - Comfort Talk + Ergonomics in Mammography - **Anna Radiona Latvia**

13:40 – 13:50 - Short break

13:50 – 16:00 - Peer-to-peer Simulation - **Zinta Simanoviča Latvia**

Day 2

09:00 – 09:10 - Welcome, Day 1 review, and overview of Day 2 goals

09:10 – 10:50 - Peer-to-peer Positioning Practice - **Lolita Selecka, Marta Uške Latvia**

10:50 – 11:00 - Short break

11:00 – 12:30 - Peer-to-peer Positioning Practice - **Lolita Selecka, Marta Uške Latvia**

12:30 – 13:00 Lunch break

13:00 – 14:30 Visual Assessment (Pre-exam Breast Observation): **Lolita Selecka, Marta Uške Latvia**

14:30 – 16:00 Image review and improvement discussion - **Lolita Selecka, Marta Uške Latvia**

Day 3

09:00 – 09:10 - Welcome and overview of Day 3 focus

09:10 – 09:50 - Introduction to Mammography Physics - **Dace Mice Latvia**

09:50 – 10:35 - AI in Radiology – **Justīne Deičmane Latvia**

10:35 – 10:45 - Short break

10:45 – 11:30 - Additional Projections - Indications and Techniques - **Lolita Selecka, Marta Uške Latvia**

11:30 – 12:15 - Breast Implant Positioning (Eklund Technique) - **Kutnar Veronika Slovenia**

12:30 – 13:00 - Lunch break

13:00 – 14:00 - Combined tasks - **Lolita Selecka, Marta Uške Latvia**

14:00 – 16:00 - Practical Simulation ADDITIONAL VIEW - **Lolita Selecka, Marta Uške Latvia**

Day 4

09:00 – 09:10 - Welcome and overview of Day 4 focus

09:10 – 09:45 - Tasks (Steps) - **Zinta Simanoviča, Anna Radiona Latvia**

9:45 – 10:40 - Image review and improvement discussion - **Zinta Simanoviča, Anna Radiona Latvia**

10:40 – 10:50 - Short break

10:50 – 12:30 - Peer-to-peer Positioning Practice - **Zinta Simanoviča, Anna Radiona Latvia**

12:30 – 13:00 - Lunch break

13:00 – 13:50 - Positioning Challenges in Mammography - **Kutnar Veronika Slovenia**

13:50 – 14:40 - Common mammographic errors and how to avoid them - **Kutnar Veronika Slovenia**

14:40 - 14:50 Short break

14:50 - 16:00 - Peer-to-peer Positioning Practice - **Zinta Simanoviča, Anna Radiona Latvia**

Day 5

09:00 – 09:10 - Welcome, overview of final day, exam instructions and expectations

09:10 – 10:00 - Peer-to-peer Positioning Practice

10:00 – 12:30 - Practical exam (individually)

12:30-13:00 - Lunch break

13:00-14:30 - Image review exam