

International Mammography Screening Training Course for Radiologists

Target audience: Radiologists experienced in diagnostic breast imaging who are currently working, or preparing to work, in breast cancer screening programmes.

Format: 5-day intensive course (lectures, workstation training and case discussions)

Language: English

Course dates:

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

An application has been made to the UEMS EACCME® for CME/CPD accreditation of this event

Breast cancer screening programmes across Europe differ in their organisation, quality assurance (QA) systems, reading strategies, and training frameworks. This course provides a structured and systematic approach to screening mammography, combining European standards and guidelines with theoretical lectures, hands-on workstation training, radiologic-pathologic correlation, supplementary screening and artificial intelligence (AI). The course is designed to promote harmonisation and support high-quality breast cancer screening practice across Europe.

Each course day combines theoretical and practical training components. Theoretical sessions include lectures and interactive discussions covering key aspects of breast cancer screening, quality assurance, image interpretation, and emerging technologies. Practical training consists of workstation-based image reading and case discussions. During these sessions, participants will be divided into two groups for rotational workstation training. Each participant will independently interpret screening mammography cases at an individual workstation, followed by faculty-led case discussions incorporating radiologic-pathologic correlation and diagnostic follow-up.

Objectives:

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

- Understand the importance of a standardised and harmonised approach to breast cancer screening
- Recognise differences in screening organisation, quality assurance systems, and training models across Europe
- Understand the principles of quality assurance (QA) in breast cancer screening
- Apply structured reading strategies in screening mammography
- Improve interpretation skills in a screening setting
- Apply BI-RADS classification appropriately in screening practice

- Understand the role of supplemental screening and artificial intelligence (AI) in breast cancer screening.

Course Programme

Day 1 - Organisation & Quality in Screening

9:00 – 9:10 Introduction and course overview *Ilze Eņģele, Latvia*

9:10 – 9:30 Results of the EUCanScreen Survey on Training in Breast Cancer Screening *Ilze Eņģele / Dace Mice, Latvia*

9:30 -10:20 Epidemiology of Breast Cancer and Screening in Europe *Jusīne Deičmane, Latvia*

10:20- 10:40 Coffee

10:40-11:20 Basic Principles and Organisation of Screening Programmes *Evija Asere, Latvia*

11:20 – 12:00 Existing guidelines and quality indicators in screening *Francesco Regini, Giulia Picozzi, Italy*

12:00-13:00 Lunch

13:00 – 14:30 Independent Analysis of Screening Mammography Images. Workstation-based image reading

14:30- 16:00 Case-Based Discussion with Diagnostic Follow-up

Day 2 - Reading Strategy and Interpretation

9:00 – 9:30 Review of Previous Day's Cases and Key Learning Points

9:30 – 10:00 Structured Reading Strategy in Screening Mammography *Anete Purvīce, Latvia*

10:00- 11:00 BI-RADS in Screening Practice *Ilze Eņģele, Latvia*

11:00 – 11:15 Coffee

11:15- 12:15 Supplemental screening *Natascia Roccia/ Elisenda Vall/ Cecilia Grillo/ Alessandro Catanese, Spain*

12:15-13:15 Lunch

13:15 – 14:45 Independent Analysis of Screening Mammography Images. Workstation-based image reading

14:45- 16:15 Case-Based Discussion with Diagnostic Follow-up

Day 3 - Technical Quality & Image Optimisation

9:00 – 9:30 Review of Previous Day's Cases and Key Learning Points

9:30-10:45 Positioning in Screening Mammography *Anna Radiona/ Justīne Deičmane, Latvia*

10:45-11:00- coffee

11:00- 12:00 Radiologic–Pathologic Correlation *Ilze Eņģele / Tatjana Zablocka, Latvia*

12:00-13:00 Lunch

13:00 -13: 40 Mammography Physics and Technical Parameters *Dace Mice/ Aelita Platā, Latvia*

13:40-14:00 Coffee

14:00- 16:00 Image Quality Assessment: Practical Pitfalls *Dace Mice/ Aelita Platā/ Justīne Deičmane, Latvia*

Day 4 –Artificial Intelligence in Breast Cancer Screening

9:00 – 9:30 Review of Previous Day's Cases and Key Learning Points

9:30- 10:05 Introduction of AI *Evija Asere, Latvia*

10:05 – 10:40 Evidence for AI in Breast Cancer Screening *Ilze Eņģele, Latvia*

10:40-11:00 Coffee

11:00 – 11:30 Foundation of AI *Justīne Deičmane, Latvia*

11:30 -12:00 Ethical, Legal and Regulatory Aspects of AI *Anete Purvīce, Latvia*

12:00-13:00 Lunch

13:00 – 14:45 Independent Analysis of Screening Mammography Images. Workstation-based image reading

14:45- 16:15 Case-Based Discussion with Diagnostic Follow-up

Day 5 - Consolidation & Assessment

9:00 – 9:30 Review of Previous Day's Cases and Key Learning Points

9:30- 9:45 Final Test (MCQ)

9:45-10:00 Coffee

10:00 – 12:00 Final workstation reading session and Case-Based Discussion with Diagnostic Follow-up

12:00 – 12: 30 Course Evaluation, Feedback and Certification