Online trainings

Breast Imaging

Wide-angle digital breast tomosynthesis and titanium contrast-enhanced mammography

SIEMENS Healthineers

Get valuable insights into digital breast tomosynthesis and titanium contrast-enhanced mammography

Learn first-hand from five clinical experts at your own pace

Register at the Siemens Healthineers training platform PEPconnect free of charge

Registration

Join our five clinical experts in breast imaging on an educational journey from wide-angle breast tomosynthesis (wa-DBT) including biopsy through AI-based CAD to titanium contrast-enhanced mammography (TiCEM) all at a basic and advanced level!

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Professor Chantal Van Ongeval, MD, Radiologist

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Professor, Luis Pina, MD, Radiologist

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Henny Rijken, Breast Technologist

ScreenPoint Medical
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Nijmegen / The Netherlands

Target group: all users, radiologists, radiographers

Basics of breast imaging

Three modules

Are you new to breast imaging, or would you like to learn more about digital breast tomosynthesis and contrast-enhanced mammography?

Three paths offer you an ideal sequence of short learning activities that teach you the basics of digital breast tomosynthesis (wa-DBT) and titanium contrast-enhanced mammography (TiCEM) in a self-directed manner at short intervals and help you deepen your knowledge in a clinical context working with actual cases.

1.
35 min.

Wide-angle digital breast tomosynthesis (wa-DBT)

Professor Luis Pina, MD, provides insights into the world of wide-angle digital breast tomosynthesis in screening and diagnostics. He takes a closer look at lesions and compares displays of masses, calcifications, and distortions in 2D mammography with displays from 3D tomosynthesis.

2.
30 min.

DBT-guided biopsy

Professor Luis Pina, MD, explains the clinical use of stereotactic- and tomosynthesis-guided biopsy and includes clinical case discussions. He shares his experience in a video of his clinical routine and offers practical tips that will help you get started in the world of biopsy.

3.
30 min.

Titanium contrast enhanced mammography (TiCEM)

Learn more about the value of titanium contrast-enhanced mammography in the daily routine. The differences and respective advantages of the morphological (wa-DBT) and functional (TiCEM) breast imaging methods are discussed using actual cases.

Advances in breast imaging

Seven modules

Varied and comprehensive trainings that include in-depth clinical and scientific presentations, more than 50 case discussions, course reviews, and final tests.

0.
30 min.

Introduction

We familiarize you with the Web-based training and introduce the clinical experts. Luis Pina briefly introduces breast imaging, mammography, and digital breast tomosynthesis.

1.
60 min.

Technical background and image quality of wide-angle digital breast tomosynthesis

Chantal Van Ongeval explains the acquisition parameters of tomosynthesis systems and their post-processing. She pays special attention to the synthetic mammogram and briefly touches on the topics of image storage and monitors.

2.
120 min.

Wide-angle DBT in the clinical routine

Maria Bernathova shares her insights on the clinical use of digital breast tomosynthesis in breast screening and follow-up diagnostics, illustrated by numerous case discussions. This comprehensive training is supplemented by practical hints from Prof. Chantal Van Ongeval.

3.
75 min.

Morphology of lesions: 2D FFDM vs. 3D wide-angle DBT

Maria Bernathova takes a closer look at lesions. She compares displays of masses, calcifications, and distortions in 2D mammography with displays from 3D tomosynthesis. The three radiologists guide you through several cases.

4.
40 min.

DBT-guided biopsy

Luis Pina explains the clinical use of stereotactic- and tomosynthesis-guided biopsy and discusses clinical cases. He also shares his experience in a video of his clinical routine and offers practical tips.

5.
65 min.

Introduction to titanium contrast-enhanced mammography (TiCEM)

Drawing on their clinical experience and intensive literature reviews, Luis Pina and Maria Bernathova give a comprehensive presentation on TiCEM, discuss its merits, and review clinical cases with you.

6.
35 min.

Wide-angle DBT in screening

Van Ongeval takes a closer look at scientific studies that evaluate the use of digital breast tomosynthesis in breast screening.

7.
45 min.

AI-based CAD

Nico Karssemeijer considers the role of artificial intelligence in breast screening and diagnostics. He reviews the capabilities of breast AI systems and evidence from scientific studies. Henny Rijken describes the use of AI in the clinical workflow with case discussions.

CME credits may apply depending on national regulations.

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An account in PEPconnect is required to open the trainings.

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