This hands-on teaching course provides extensive knowledge about the basic positioning techniques in mammography:

* The medio-lateral oblique projection (MLO)
* The cranio-caudal projection (CC)
* The latero-medial horizontal beam projection (LM)
* The cleavage view (CV)
2016
BREAST SEMINAR SERIES
Mammography Positioning Techniques

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The course organizers would like to thank the support of FujiFilm for providing the workstations and software and EIZO for providing the monitors.

We express our special thanks for Mr. XXXXXXXX and his team for the excellent preparation of the complex technical support concerning audiovisual aid and broadcasting of the live positioning class.

Images from the non-profit Tabar Foundation for Research and Education for Breast Cancer

www.tabarfoundation.org
Morning lectures between 8:30 AM and 12:00 PM

8:30  INTRODUCTION FOLLOWED BY DIDACTIC LECTURES COVERING:

THE BASIS FOR EFFICIENT INTERPRETATION OF THE MAMMOGRAPHIC IMAGE - L TABAR

- Correlative 3-dimensional, subgross anatomy and mammography of the normal breast
- The problem: The variable appearance of the normal mammogram.
- The solution: classification into structural subtypes, mammographic parenchymal patterns, based on 3D/subgross histologic-mammographic correlation.
- The dynamic change of mammographic patterns and its application in clinical practice

Breaks at 10:00 and at 11:00 AM

MAMMOGRAPHIC PARENCHYMAL PATTERNS

- Practical implication, problems and solutions. Mammographic patterns and the risk of developing breast cancer. Understanding the mammograms of dense breasts.

POSITIONING TECHNIQUES IN MAMMOGRAPHY - THE BASICS - L TABAR

IV
HANDS-ON SESSIONS FOR EACH ATTENDEE: LEARNING PROPER POSITIONING OF THE MEDIO-LATERAL (MLO) OBLIQUE PROJECTION ON LIVE MODELS SUPERVISED BY THE TEACHER:

ELIE HARFOUCHE, RT

Immediate feedback through live broadcasting

- Question and answer sessions
- Discussion of successes and pitfalls, correction of mistakes

Prerequisites for successful positioning: chest wall / cassette table positioning and individualized tube angle

12:00 - 1:00 Lunch
1:00  Continuation: HANDS-ON SESSIONS FOR EACH ATTENDEE: LEARNING PROPER POSITIONING OF THE MEDIO-LATERAL (MLO) OBLIQUE PROJECTION ON LIVE MODELS SUPERVISED BY THE TEACHER - ELIE HARFOUCHE, RT

Immediate feedback through live broadcasting

- Question and answer sessions
- Discussion of successes and pitfalls, correction of mistakes

Breaks at 2:30 PM and at 3:30 PM

HANDS-ON SESSIONS FOR EACH ATTENDEE: LEARNING PROPER POSITIONING OF THE CRANIO-CAUDAL (CC) PROJECTION ON LIVE MODELS SUPERVISED BY THE TEACHER.

Immediate feedback through live broadcasting

- Question and answer sessions
- Discussion of successes and pitfalls, correction of mistakes
Continuation: **HANDS-ON SESSIONS FOR EACH ATTENDEE**: LEARNING PROPER POSITIONING OF THE CRANIO-CAUDAL (CC) PROJECTION ON LIVE MODELS SUPERVISED BY THE TEACHER - **ELIE HARFOUCHE, RT**

**HANDS-ON SESSIONS FOR EACH ATTENDEE**: LEARNING PROPER POSITIONING OF THE LATERO-MEDIAL HORIZONTAL BEAM PROJECTION ON LIVE MODELS SUPERVISED BY THE TEACHER.

**HANDS-ON SESSIONS FOR EACH ATTENDEE**: LEARNING PROPER POSITIONING OF THE CLEAVAGE VIEW ON LIVE MODELS SUPERVISED BY THE TEACHER.

Immediate feedback through live broadcasting

- Question and answer sessions
- Discussion of successes and pitfalls, correction of mistakes

4:30 - End of course
Computer simulation images of the development of Grade 2 \textit{in situ} carcinoma within the TDLU. The lobule becomes gradually distended and deformed. Calcifications are formed within the necrotic debris and are seen on the mammogram as \textit{crushed stone-like} calcifications.