

Hands-on Innovative Techniques (House 10 Luzerner Kantonsspital)

Friday 18th Sep 2020

The iron or radiofrequency marker is deployed in a phantom (under sonographic guidance); course participants are instructed to detect the iron-marker with the Sentimag probe (by Sysmex) and the radiofrequency marker (by Hologic). Simultaneously all markers can be visualized by using sonography (Supersonic).
If you need further information please contact: claudia.kurtz@luks.ch

8.20 – 9.10 Lectures: Innovative Techniques

8.20- 8.25 (5 min) : Welcome - *C. Kurtz*

8.25- 8.40 (15 min): **Why new marking techniques – What are the challenges ?** - *C. Kurtz*
(tomosynthetic marking/ problems with MRI/ limitations of radiofrequency markers/ what patients prefer/ what marking physicians prefer)

8.40- 8.55 (15 min): **Magnetic markers – How it works** - *Stefan Paepke (Munich)*
10 min lecture (5 min discussion)

8.55- 9.10 (15 min): **Radiofrequency markers – How it works** - *Susanne Bucher (Lucerne)*
10 min lecture (5 min discussion)

9.15-10.15 Hands-on: Innovative techniques

9.15-9.45 (30 min): Group A (yellow): Magnetic markers
Group B (orange): Radiofrequency markers

9.45-10.15 (30 min): Group A (yellow): Radiofrequency markers
Group B (orange): Magnetic markers

10.15-10.35 (15 min): Coffee break

10.15-11.15 (60 min): Possibility to get more experienced with the detection of markers: Ask further questions to the tutors if you want or try once more to detect the marker on your own



Magseed marker detection with Sentimag (by Sysmex)



Radiofrequency marker detection with Localizer (by Hologic)



Hands-on MIBB Certification Course (Official certification course of the Minimal Invasive Breast Biopsy Group = breast interventional working group of the Swiss Society of Senology)

Course leader: C. Kurtz (president MIBB)

10.35 – 15.45 Lectures: Vacuum biopsy of the breast

10.35- 10.40 (5 min) : Introduction - *C. Kurtz*

10.40- 11.00 (20 min): History MIBB - *G. Kampmann (Lugano)*

11.00-11.20 (20 min) : Adjumed Data entry - *G. Kampmann (Lugano)*

11.20-11.40 (20 min): Statistics - *Daniela Schwegler-Guggemos (Aarau)*

11.40-11.55 (15 min): Ultrasound guided vacuum biopsy - Tips and tricks - *Constanze Elfgen (Zurich)*

11.55-12.15 (20 min): Stereotactic/Tomo guided vacuum biopsy - Tips and tricks - *Martin Sonnenschein (Bern)*

12.15-12.35 (20 min): MR-guided vacuum biopsy - Tips and tricks - *Claudia Kurtz (Lucerne)*

12.35-13.15 Lunch package (40 min)

13.15- 15.45 Hands-on Vacuum biopsy (phantom)

Everyone is assigned to **one group (A/B or C)** and participates

at all vacuum biopsy courses (US/ tomosynthetic and MRI-guidance).

During the **sonographic** guided vacuum biopsy **course you have the option to choose the vacuum biopsy company you are interested in (Hologic®/ Mammotome®/ BARD®)** or a newer large core biopsy system based on micro pulses, which can also be used for lymph nodes (Neonavia by Neodynamics®).

Credits Hands-on Workshop Innovative Techniques:

2 Credits category 1 by the Swiss Society of Radiology (SSR) and Swiss Society of Gynecology and Obstetrics (SGGG)

Credits Hands-on Workshop Vacuum biopsy MIBB certification course:

5 Credits category 1 by the Swiss Society of Radiology (SSR)

4 Credits category 1 by the Swiss Society of Gynecology and Obstetrics (SGGG)

Hologic: Brevera



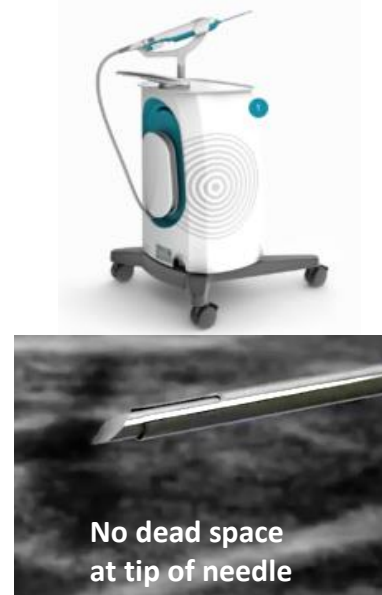
MeMed: Mammotome



BARD: Enspire



Neodynamics: Neonavia



13.15-14.00: Group A → Ultrasound guided VAB (choose your company or language)

(45 min)

Sonographic device: Supersonic

VAB-Devices: Hologic-Brevera (Tutor: Gert Kampmann)

BARD-Enspire (Tutor: Diomidis Botsika = instruction in French)

MeMed-Mammotome (Tutor: Constanze Elfgen)

Neodynamic- Neonavia (Tutor: Kai Uwe Schassburger/ Charalampos Stathas)

Group B → Stereotactic/tomosynthetic guided VAB

Mammographic device Hologic: vertical access (Tutor: Frouwke Kremer); small BARD version

Mammographic device Fuji: lateral access (Tutor: Katharina Tornquist/ Sara Dinkel)

VAB-Device: BARD-Enspire

Group C → MR guided VAB

MR Device: Philips 3T Achieva (Tutor: Claudia Kurtz)

VAB-Device: BARD-Enspire

10 min transfer

13.10-14.45: Group B → Ultrasound guided VAB (choose you company or language) as described above

(45 min)

Group C → Stereotactic/tomosynthetic guided VAB as described above

Group A → MR guided VAB as described above

10 min transfer

14.55-15.40: Group C → Ultrasound guided VAB (choose you company or language) as described above

(45 min)

Group A → Stereotactic/tomosynthetic guided VAB as described above

Group B → MR guided VAB as described above

15.45: Hands-out of certificates in House 10

