



**TÜRK
CERRAHI
DERNEĞİ**
1929

ESSO-TSS Course On Localization Techniques for Guided Breast Cancer Surgery - Hands-on Workshop for Surgeons 3-4 May, 2024 , Istanbul, Türkiye

Chairs

Isabel-Teresa Rubio, Clínica Universidad de Navarra, Madrid, SP

Guldeniz Karadeniz Cakmak, Zonguldak BEUN The School of Medicine, Zonguldak, TR

Faculty Members

Bahadır Gulluoglu, Marmara University, Istanbul, TR

Ahmet Serdar Karaca, Baskent University, Istanbul, TR

José Volders, Diakonessenhuis, Utrecht, NL

Alexander Mundinger, Breast Centre Osnabrück, GE

Adam Critchley, The New Castle Tyne Hospitals NHS Foundation Trust, UK

Cem Yilmaz, Meme Cerrahisi-Istanbul Breast Center, Istanbul, TR

Umit Ugurlu, Marmara University, Istanbul, TR

Burcu Celet Ozden, Istanbul Breast Clinic, Istanbul, TR

Bulent Sacak, Acibadem University, Istanbul, TR

Ahmet Erkek, Bahcesehir University, Istanbul, TR

Program

Friday 3rd May

08.30 Opening Ceremony
Isabel Rubio, Guldeniz Karadeniz Cakmak

Theoretical Session I: Ultrasound Basics: Physics, Principles, Scanning and Technique

Chair: Ahmet Serdar Karaca, Bahadır Gulluoglu

08.40 Introduction to Ultrasound Physics and Principles – Alexander Mundinger
09.00 Indications and Technique for Breast Ultrasound Scanning – Alexander Mundinger
09.20 Description and Identification of Normal Breast Ultrasound Anatomy – Cem Yilmaz
09.40 Abnormal Ultrasound Findings: *Benign vs. Malignant Characteristics of Focal Lesions* - Jose Volders

Theoretical Session II: Axillary sonography

Chair: Jose Volders, Adam Critchley

10.00 Preoperative axillary US (Normal vs Abnormal/Pathologic) – Alexander Mundinger
10.20 Axillary US after neoadjuvant treatment - Cem Yilmaz

10.40 *Coffee break*

Theoretical Session III: Indications and Technique for Ultrasound-Guided Interventions

Chair: Jose Volders- Adam Critchley

11.00 Indications for Ultrasound-Guided Interventions – Umit Ugurlu
11.20 Technique for Ultrasound-Guided Interventions– Guldeniz Karadeniz Cakmak

Theoretical IV: Intraoperative Ultrasound (IOUS) Guided Surgery

Chair: Cem Yilmaz, Umit Ugurlu

11.40 Indications- Jose Volders
12.00 IOUS Guided Localization and Margin Assessment - Guldeniz Karadeniz Cakmak
12.20 IOUS in the Neoadjuvant Setting – Isabel Rubio
12.40 Scientific Evidence regarding IOUS (including learning curve) – Jose Volders

13.00 **Lunch**

Practical Session I

Chair: Guldeniz Karadeniz Cakmak, Cem Yilmaz

14.00 Video-Based Session: IOUS guided surgery (breast and axilla) – Isabel Rubio

- 14.30** Clinical cases followed by surgical videos – Isabel Rubio
15.00 Discussion – Isabel Rubio and Speakers

Theoretical Session V: US Applications for Oncoplasty and Breast Reconstruction

Chair: Isabel Rubio, Bahadır Gulluoglu

- 15.20** Hand-held Doppler – Adam Critchley
15.35 LICAP and Thoracoepigastric Flaps – Adam Critchley
15.50 Implant and Seroma Evaluation (ALCL) – Burcu Celet Ozden
16.00 The Role of US in Managing Implant and Autologous Reconstruction Complications – Bulent Sacak

16.20 **Coffee break**

Theoretical Session VI: Shining Stars for Intraoperative Localization- Turning Invisible to Visible

Chair: Burcu Celet Ozden, Bulent Sacak

- 16.30** Intraoperative ultrasound – Cem Yilmaz
16.45 Novel techniques for intraoperative localization – Adam Critchley
17.00 Preoperative 3D planning techniques – Cem Yilmaz
17.15 Where are we headed? Ablation for Benign and Malignant Disease (Cryoablation/Radiofrequency ablation) – Umit Ugurlu

Practical Session II: Pearls and Pitfalls of IOUS

Chair: Isabel Rubio, Adam Critchley

- 17.30** Video-based Discussion Session-Movies - Jose Volders
17.45 Clinical Cases Session: Pearls and Pitfalls of IOUS -Jose Volders
Presentations and Questions by Tutors/Participants

18.00: End of the first day

Saturday 4th May

08.30-12.30: Practical Session: Workshops with models/phantoms

(Participants are split in 5 groups per module)

8.30-9.00 Practical Session: Basics of Ultrasound Device (All participants)

The Fundamentals of the Ultrasound Device – Alexander Mundinger, Ahmet Erkek

09.00-12.30: Practical Session

Practical Session: Module I

Ultrasound guided physical examination on live model – Isabel Rubio, Cem Yilmaz

Practical Session: Module II

Ultrasound guided interventions (CNB, WL, clip placement and dye/radiocolloid injections
FNA/abscess aspiration/ vacuum excision/VAAB) – Guldeniz Karadeniz Cakmak, Umit Ugurlu

Practical Session: Module III

Ultrasound Guided lumpectomy and margin safety – Jose Volders, Ahmet Erkek

Practical Session: Module IV

Novel Technology for intraoperative localization – Adam Critchley, Guldeniz Karadeniz Cakmak

Practical Session: Module V

Hand-held doppler application for operative planning – Adam Critchley, Cem Yilmaz

12.30: Feed-backs and Closing Ceremony