

**Hands-on Course on Intraoperative Innovative Interventions and
Artificial Intelligence for Breast Surgeons,
15-16 May, 2026, Istanbul, Turkiye
Istanbul Mercure Hotel**

Chairs

Bahadır Gulluoglu, Marmara University The School of Medicine, Istanbul, TR

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

Faculty Members

Ahmet Serdar Karaca

Isabel Rubio

Cornelia Leo

Behdad Dasht Bozorg

Cem Yılmaz

Umit Ugurlu

Atakan Sezer

Ali İlker Filiz

Sibel Özkan Gurdal

Hasan Karanlık

Beyza Ozcinar

Ahmet Erkek

Hands-on Sessions

Muhammer Ergenc

Berk Goktepe

Kayra Cangoz

Ulaş Utku Sekerci

Merve Tokocin

Adnan Gundogdu

Suzan Yalçın

Program

Friday 15th May

08:30 - Opening Ceremony

Theoretical Session I: Basics of Ultrasound and Ultrasound Guided Interventions

Chair: Ahmet Serdar Karaca, Bahadır Gulluoglu

08:40: Ultrasound Fundamentals for Breast Surgeons - TBD

09:10: Ultrasound for Interventional Procedures – Cornelia Leo

09:30: Ultrasound in Neoadjuvant Setting: Breast and Axilla – Isabel Rubio

09:50: Preoperative 3D Planning Techniques – Cem Yilmaz

10:10: Pitfalls in Breast Imaging and Proposed Solutions – TBD

10:30 - Coffee Break

Case Presentation Session 2: Diagnostic Challenges in Breast Ultrasonography

Chair: Umit Ugurlu

11:00: Abnormal Findings in Breast Ultrasonography: Characteristics of Benign and Malignant Breast Lesions: Case Presentations

Moderator: Guldeniz Karadeniz Cakmak

Discussants: Isabel Rubio, Cornelia Leo, Alexander Munding, Hasan Karanlık, Cem Yilmaz

Theoretical Session 3: Indications and Technique for Ultrasound-Guided Interventions

Chair: Atakan Sezer

12:00: Indications and Tehnique for Ultrasound Guided Interventions – Sibel Ozkan Gurdal

12:15: Novel techniques for intraoperative localization– Cornelia Leo

Theoretical Session 4: Intraoperative Ultrasound Guided Surgery

Chair: Sibel Ozkan Gurdal

12:30 - IOUS Guided Localization and Margin Assessment – Guldeniz Karadeniz Cakmak

12:50 - IOUS in the Neoadjuvant Setting – Isabel Rubio

13:10 – Lunch

Video Session 5: Ultrasound Applications for Oncoplasty and Breast Reconstruction

Chair: Guldeniz Karadeniz Cakmak

14:00 - Video-Based Session: IOUS Guided Surgery (Breast and Axilla) – Isabel Rubio

14:20 – Doppler-Guided Assessment and Reconstructive Options: Perforator Flaps -Atakan Sezer

14:40 - The Role of US in Managing Implant and Autologous Reconstruction Complications - Cornelia Leo

Theoretical Session 6: Introduction to Innovative Procedures in Surgery

Chair: Beyza Ozcinar

15:00 - Cryoablation for Benign and Malignant Disease – Cem Yilmaz

15:20 - Radiofrequency Ablation for Benign and Malignant Disease – Umit Ugurlu

15:40 - Techniques Using Indocyanine Green (ICG) in Breast Surgery – Guldeniz Karadeniz Cakmak

16:00 - Coffee Break

Theoretical Session 7: Artificial Intelligence in Breast Surgery

Chair: Ali İlker Filiz

16:20 – Introduction to Artificial Intelligence and Its Clinical Applications in Surgery - Behdad Dasht Bozorg

16:40 - Recent Developments in Artificial Intelligence in Breast Cancer - Behdad Dasht Bozorg

17:00 - The Future of AI-powered IOUS in Breast Surgery- Behdad Dasht Bozorg

17:20 – End of the First Day

Saturday 16th May

08:30-10:30 - Practical Session: Workshop with Models/Phantoms Part I

(Participants are split to 5 groups for each module)

Practical Session Module I: Ultrasound Fundamentals – Isabel Rubio, Ahmet Erkek

Practical Session Module II: Ultrasound-Guided Core Needle Biopsy – Sibel Ozkan Gurdal, Adnan Gundogdu

Practical Session Module III: Ultrasound-Guided Marker Placement – Cornelia Leo, Merve Tokoçin

Practical Session Module IV: Ablative Techniques – Cryoablation – Cem Yılmaz, Ulaş Utku Şekerci

Practical Session Module V: Ablative Techniques – RF ablation – Umit Ugurlu, Muhammed Ergenc

Practical Session Module VI: Intraoperative Localization Techniques and Surgical Margin Assessment – Guldeniz Karadeniz Cakmak, Kayra Cangöz

Practical Session Module VII: Perioperative Planning with Doppler Ultrasound – Atakan Sezer, Ali İlker Filiz

Practical Session Module VIII: Ultrasound-Guided Breast Cyst Aspiration and Fine-Needle Biopsy – Beyza Ozcinar, Suzan Yalçın

Practical Session Module IX: Procedures Guided by Indocyanine Green (ICG) – Berk Goktepe

Practical Session Module X: AI-powered ultrasound – Behdad Dasht Bozorg

10:30 - Coffee Break

10:50-12:50 - Practical Session: Workshop with Models/Phantoms Part II

(Participants are split to 5 groups for each module)

Practical Session Module I: Ultrasound Fundamentals – Isabel Rubio, Alexander Munding, Ahmet Erkek

Practical Session Module II: Ultrasound-Guided Core Needle Biopsy – Sibel Ozkan Gurdal, Adnan Gundogdu

Practical Session Module III: Ultrasound-Guided Marker Placement – Cornelia Leo, Merve Tokoçin

Practical Session Module IV: Ablative Techniques – Cryoablation – Cem Yılmaz, Ulaş Utku Şekerci

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Practical Session Module IX: Procedures Guided by Indocyanine Green (ICG) – Berk Goktepe

Practical Session Module X: AI-powered ultrasound – Behdad Dasht Bozorg

12:50: Closing Ceremony

Course is limited to 45 participants.