IBUS - Update in Breast Imaging, Interventions, Management
A practical course with hands-on ultrasound workshops

Tel Aviv 2018, Programme – Day 1

08.30 Welcoming remarks
E Durante, O Olsha

08.40 Ultrasound physics and image optimization
J C Bamber

09.00 Breast carcinoma: The sick lobe concept
E Durante

09.30 Evolution of ultrasound imaging systems
A Mundinger

10.00 Breast US: Clinical indications and selection of cases
E A M O’Flynn

10.30 Coffee break

11.00 Lobar ultrasound anatomy of the breast
E Durante

11.30 Sonographic appearance of benign lesions
E Aribal

12.00 Sonographic appearance of malignant lesions
A Mundinger

12.40 Discussion session

13.20 Lunch

14.00 Demonstration session - scanning the breast and axilla
E Aribal

14.30 Principles of interventional techniques
D Koufoudakis

15.00 Video session – Ultrasound guided interventions
D Koufoudakis

15.15 Video session – Ultrasound guided surgery
E Durante

15.30 Coffee break

16.15-16.45, 16.45-17.15, 17.15-18.00. “Hands-on” workshops 1, 2, and 3
Faculty

- Scanning techniques of the breast and axilla
- Equipment optimization
  - Core biopsy on phantoms
  - Ultrasound guided vacuum assisted biopsy on phantoms
- Breast elastography on phantoms
  - Ultrasound guided surgery on phantoms
- Automated Breast Ultrasound
**IBUS - Update in Breast Imaging, Interventions, Management**

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**Tel Aviv 2018, Programme – Day 2**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08.30</td>
<td>Daily review</td>
<td>O Olsha</td>
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<tr>
<td>08.40</td>
<td>Digital breast tomosynthesis - Contrast-enhanced digital mammography</td>
<td>A MUNDINGER</td>
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<td>09.10</td>
<td>The present role of breast MRI</td>
<td>E A M O’Flynn</td>
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<td>09.40</td>
<td>Doppler and elastography physics</td>
<td>J C Bamber</td>
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<td>10.10</td>
<td>Ultrasound imaging assessment of symptomatic patients</td>
<td>F K W Schaefer</td>
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<td>10.40</td>
<td><strong>Coffee break</strong></td>
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<tr>
<td>11.00</td>
<td>Video session: Stereotactic breast Biopsy</td>
<td>D Koufoudakis</td>
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<tr>
<td>11.30</td>
<td>Vacuum assisted biopsy: techniques and indications</td>
<td>F K W Schaefer</td>
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<td>12.00</td>
<td>Emerging breast imaging techniques</td>
<td>E A M O’Flynn</td>
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<td>12.30</td>
<td>Preoperative loco-regional ultrasound staging</td>
<td>E Durante</td>
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<td>13.00</td>
<td><strong>Lunch</strong></td>
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<td>14.00</td>
<td>Automated breast ultrasound (ABUS)</td>
<td>A Mundinger</td>
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<td>14.30</td>
<td>Ultrasound visible clips in breast cancer surgery</td>
<td>M Carmon</td>
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<td>15.00</td>
<td>Multidisciplinary breast imaging and radiological-pathological correlations - Panel 1 Chair: O Olsha Panellists: E Aribal, E Durante, E A M O’Flynn, F K W Schaefer</td>
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<td>16.00</td>
<td><strong>Coffee break</strong></td>
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<td>16.45-17.15, 17.15-17.45, 17.45-18.30.</td>
<td><strong>“Hands-on” workshops 4, 5, and 6</strong> Faculty</td>
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This course is recommended by the European School of Oncology.
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Tel Aviv 2018, Programme – Day 3

08.30  Daily review                                   O Olsha
08.40  State of the art – Breast elastography       F K W Schaefer
09.10  Breast MRI at 3T and MRI guided interventional procedures E A M O’Flynn
09.40  The male breast                               E Aribal
10.10  Coffee break
10.30  Does ultrasound have a role in dense breast screening?   Y Adler-Levy
11.00  Preoperative ultrasound planning of surgical procedures E Durante
11.30  Intraoperative ultrasound and specimen management   O Olsha
12.00  Reporting breast ultrasound examination - Panel 2
      Chair: F K W Schaefer
      Panellists: Y Adler-Levy, E Aribal, A Mundinger, E A M O’Flynn
13.00  Lunch
13.30  Breast imaging in the setting of neoadjuvant chemotherapy E Aribal
14.00  Imaging follow-up after breast conserving surgery and mastectomy D Gekhtman
14.30  Imaging of the residual breast after mastectomy             T. Hadar
15.00  The clinician’s need from the breast imaging specialist: Interactive session - Panel 3
      Chair: O Olsha
      Panellists: E Aribal, E Durante, D Koufoudakis, F K W Schaefer
15.50  CME Test
16.30  Final Remarks                                     E Durante, O Olsha
16.45  Coffee Break

17.30-18.00, 18.00-18.30, 18.30-19.00. “Hands-on” workshops 7, 8, and 9

Faculty

  • Scanning techniques of the breast and axilla
  • Equipment optimization
  • Core biopsy on phantoms
    • Ultrasound guided vacuum assisted biopsy on phantoms
  • Breast elastography on phantoms
    • Ultrasound guided surgery on phantoms
  • Automated Breast Ultrasound

Course Convenors
D. Koufoudakis (Greece), O. Olsha (Israel), A. Mundinger (Germany), E. Durante (Italy)