



**IUSS-FERRARA**  
**1391**

Under the Patronage  
of the Emilia-Romagna Region



# **INTERNATIONAL BREAST ULTRASOUND COURSE**

***Multimodality Imaging & Interventional Techniques***

Lectures, Interactive presentations, "Hands-on" practical workshops

**International Breast Ultrasound School (IBUS)**

**University Institute for Higher Studies, University of Ferrara**

**IBUS is celebrating its 20<sup>th</sup> Anniversary**



**September 7-10, 2011 • Ferrara, Italy**

For information please contact: [convegni@unife.it](mailto:convegni@unife.it) or [info@ibus.org](mailto:info@ibus.org)  
or the IBUS Secretary Prof. Enzo Durante at [drn@unife.it](mailto:drn@unife.it)

Visit the IBUS or the Consorzio Ferrara Ricerche websites  
[www.ibus.org](http://www.ibus.org) or [www.consorzioferrararicerche.it](http://www.consorzioferrararicerche.it)

## Course Description

High quality breast ultrasound is now firmly established as an essential technique for proper breast diagnosis. It is the imaging technique of first choice with significantly better sensitivity and specificity compared to x-ray mammography for the investigation of breast symptoms in younger women. In the assessment of older women, ultrasound is complementary to mammography and adds valuable information in the further evaluation of detected abnormalities.

High resolution breast ultrasound provides a unique quick, painless and inexpensive method of ascertaining the nature of both palpable and impalpable breast lesions and is also accurate in determining the absence of significant disease. Breast ultrasound is the preferred imaging technique for the assessment of symptomatic breast problems, and is also the technique of first choice for image guided percutaneous breast and axillary biopsy.

This intensive programme will cover theoretical and practical topics related to breast ultrasound and in conjunction with other breast imaging modalities will demonstrate the optimum utilization of imaging for the detection, diagnosis and assessment of early breast cancers and benign conditions. The role of imaging and interventional procedures will be thoroughly evaluated in order to provide the best clinical results in patients with breast disease. The highly structured and certified course, and the scenic renaissance city of Ferrara ensure a unique experience for all participants.

## Course Directors

**E. Durante, Italy - J. Jellins, Australia**  
**H. Madjar, Germany - G. Rizzatto, Italy**

## Faculty

**Dr Jeff Bamber**  
Surrey - UK

**Roberta Chersevani**  
Gorizia - Italy

**Dr Stefano Corcione**  
Ferrara - Italy

**Prof. Enzo Durante**  
Ferrara - Italy

**Prof. Sylvia  
Heywang-Köbrunner**  
Munich - Germany

**Dr Jack Jellins**  
Sydney - Australia

**Prof. Helmut Madjar**  
Wiesbaden - Germany

**Prof. Ellen B. Mendelson**  
Chicago - USA

**Prof. Woo Kyung Moon**  
Seoul - Republic of Korea

**Prof. Alexander Mundinger**  
Osnabrück - Germany

**Dr Stefano Panareo**  
Ferrara - Italy

**Prof. Patrizia Querzoli**  
Ferrara - Italy

**Prof. Giorgio Rizzatto**  
Udine - Italy

**Prof. Ei Ueno**  
Tsukuba - Japan

**Dr Christian F. Weismann**  
Salzburg - Austria

## CME

The "INTERNATIONAL BREAST ULTRASOUND COURSE Multimodality Imaging & Interventional Techniques. Lectures, Interactive Presentations, "HANDS-ON" Workshops" is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an Institution of the European Union of Medical Specialists (UEMS), [www.uems.net](http://www.uems.net).

The "INTERNATIONAL BREAST ULTRASOUND COURSE Multimodality Imaging & Interventional Techniques. Lectures, Interactive Presentations, "HANDS-ON" Workshops" is designated for a maximum of, or up to **24 hours of external CME credits**. Each medical specialist should claim only those hours of credit that she/he actually spent in the educational activity.

EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact the AMA.

The "INTERNATIONAL BREAST ULTRASOUND COURSE Multimodality Imaging & Interventional Techniques. Lectures, Interactive Presentations, "HANDS-ON" Workshops" received **32 Italian CME Credits**.



**International Breast  
Ultrasound School**  
Baden, Switzerland  
**President**  
**Prof. Alexander Mundinger**

**IUSS-FERRARA**  
1391

**University Institute  
for Higher Studies**  
**University of Ferrara**

## Course Information

The "International Breast Ultrasound Course: multimodality imaging and interventional techniques" is arranged by the International Breast Ultrasound School (IBUS), and hosted by the University of Ferrara's Institute for Higher Studies. The course consists of a four-day programme with lectures, "hands on" workshops and interactive sessions.

The programme is available to clinicians and breast health professionals from all countries, and is presented in the English language. Comprehensive educational resource materials are provided.

The course is open to a maximum of 50 participants.

The deadline for the standard registration fee is July 31<sup>st</sup>, 2011. After this date, a surcharge of 25% will apply.

### Course Venue

Palazzo Tassoni  
Via della Ghiara, 36 - 44121 Ferrara, Italy

### Scientific Committee

Prof. Enzo Durante, Chairman  
General Surgery, University of Ferrara, Italy  
e-mail: [drn@unife.it](mailto:drn@unife.it)

### Administrative Secretariat

Consorzio Ferrara Ricerche  
Via Saragat 1, Blocco B, 1° Piano - 44122 Ferrara, Italy  
e-mail: [convegni@unife.it](mailto:convegni@unife.it) - [www.consorzioferrararicerche.it](http://www.consorzioferrararicerche.it)

For further information please contact: [convegni@unife.it](mailto:convegni@unife.it) or [info@ibus.org](mailto:info@ibus.org)  
For on-line registration visit the Consorzio Ferrara Ricerche website at:  
[www.consorzioferrararicerche.it](http://www.consorzioferrararicerche.it)

## History of Ferrara

Ferrara's origins date back to the 7<sup>th</sup>-8<sup>th</sup> century. During the High Middle Ages it was under the lordship of a number of powerful Earls. Its main source of wealth was trade along the Po River, which at the time flowed south of the town. After a struggle lasting well over a century, the Este family prevailed and established a lordship over the city that was to be one of the longest in Italy. Its renown attracted artists from all over. Amidst such bountiful intellectual life, the University was founded in 1391. In 1597 the last Duke, Alfonso II, died without a male heir and the city, considered a Papal fiefdom, was absorbed into the State of the Church. In 1995 UNESCO classified Ferrara's historic centre as a World Heritage list, defining it as "... a fine example of a town planned in the Renaissance that has managed to retain the integrity of its historic centre".

### How to travel

#### By plane

##### Close airports:

G. Marconi in <b>Bologna</b>	45 km
M. Polo in <b>Venice</b>	110 km
Catullo in <b>Verona</b>	100 km
L. Ridolfi in <b>Forli</b>	120 km
F. Fellini in <b>Rimini</b>	200 km

#### By train

##### Trenitalia

[www.trenitalia.com](http://www.trenitalia.com)

#### By car

##### Motorway:

A 13 - Bologna - Padova;  
exit: Ferrara Nord, Ferrara Sud.  
[www.autostrade.it](http://www.autostrade.it)

### Accommodation

Visit the website:

[www.ferrarainfo.com](http://www.ferrarainfo.com): **Where to stay**  
**Central District Hotels**

**Medium Fee: 4 star Single/Double Room Euros 90/140; 3 star Single/Double Room Euros 55/84.**

### Ferrara cuisine

The popular country traditions give birth to the Ferrarese cuisine. Together with the "cappelletti", the "capellacci", filled with marrow squash and parmesan cheese, are very popular. Not to be forgotten is the "Pasticcio di maccheroni" (Macaroni Pie), our bread, called "coppia" (pair), unique for its twisted and elaborate shape. More typical are the fish dishes: eel, mullet, bass fish, sea fish and hen clam. To end the meal, try pampepato, mandorlini del ponte, the ricciolina or tagliatelle cake. These tasty traditional dishes are best accompanied by the Bosco Eliceo "sand wines".

For the list of the restaurants visit the website:

[www.ferrarainfo.com](http://www.ferrarainfo.com): **Where to eat.**

# Programme

## Wednesday, September 7

08.00-09.15 Registration

### Session 1

09.15 Welcome remarks - **J. Jellins**  
**A. Munding, E. Durante**

09.30 Breast ultrasound: historical and physical aspects - **J. Jellins**

10.15 Breast ultrasound anatomy  
**G. Rizzatto**

11.00 Refreshment break

### Session 2

11:20 System optimization on phantoms  
**H. Madjar**

11:50 Breast and axilla examination  
**A. Munding**

12.20 Interventional techniques  
**E. B. Mendelson**

13.00 Lunch break

### Session 3

14.00 Review of breast pathology  
**P. Querzoli**

14.45 Benign diseases on imaging  
**E. Durante**

15.30 Imaging of malignant diseases  
**C. Weismann**

16.15 Describing pathology with one language: ACR BI-RADS  
**E. B. Mendelson**

16.40 Panel discussion  
**Faculty members**

17.00 Practical "hands-on" workshop 1  
**E. Durante, H. Madjar,**  
**E. B. Mendelson, A. Munding,**  
**G. Rizzatto, C. Weismann**

18.00 Adjournment: Welcome reception

## Thursday, September 8

08.30 Daily schedule - **E. Durante**

### Session 4

08.40 Vascularity and elasticity criteria  
**G. Rizzatto**

09.20 Multimodality cases based on mammography - **A. Munding**

09.40 Multimodality cases based on ultrasound - **E. B. Mendelson**

10.00 Non-mass forming lesions - **E. Ueno**

10.30 Refreshment break

### Session 5

11:00 Multimodality cases based on elastography - **W. K. Moon**

11:40 Lymph node pathology  
**A. Munding**

12.20 Multimodality cases based on automated US - **E. B. Mendelson**

12.40 Multimodality cases based on 3D ultrasound - **C. Weismann**

13.00 Lunch break

### Session 6

14.00 Practical "hands-on" workshop 2  
**E. Durante, H. Madjar,**  
**E. B. Mendelson, A. Munding,**  
**G. Rizzatto, C. Weismann**

15.00 Multimodality diagnostic correlation  
**S. Corcione**

15.40 PET and beyond - **S. Panareo**

16.20 Pre- and intra- operative ultrasound - **E. Durante**

17.00 Practical "hands-on" workshop 3  
**E. Durante, H. Madjar,**  
**E. B. Mendelson, A. Munding,**  
**G. Rizzatto, C. Weismann**

18.00 Adjournment

# Programme

## Friday, September 9

08.30 Introduction and daily schedule  
*E. Durante*

**Frontiers in multimodality imaging**  
chairs - *E. Durante, J. Jellins*

08.40 Small focal lesions - *A. Mundinger*

09.20 Second look ultrasound - *G. Rizzatto*

10.00 Computer-aided diagnosis in breast US - *W. K. Moon*

10.40 Refreshment break

**Frontiers in ultrasound guided interventions**  
chairs - *R. Chersevani - C. Weismann*

11.00 Problem solving interventions  
*H. Madjar*

11.30 Update of vacuum assisted biopsy  
*A. Mundinger*

### Practical session

12.00 Video demonstration of examination technique and interventions  
*Faculty members*

13.00 Lunch break

**Update of whole breast US**  
chairs - *H. Madjar, G. Rizzatto*

14.00 Automated whole breast scanning - technology - *J. Jellins*

14.30 Handheld 3D and 4D ultrasound - assessment - *C. Weismann*

15.00 Automated whole breast scanning - the clinical role - *E. B. Mendelson*

15.30 Refreshment break

**Consensus panel on breast US screening**  
chairs - *E. B. Mendelson, A. Mundinger*

16.00 Mammographic screening limitations  
*R. Chersevani*

16.30 Analysis of US-detected cancers  
*W. K. Moon*

17.00 Panel discussion with  
*S. Heywang-Köbrunner, H. Madjar*  
and *C. Weismann*

18.00 IBUS: celebrating 20 years of achievement - *J. Jellins*

18.30 Adjournment: Anniversary Reception

## Saturday, September 10

08.30 Daily schedule - *E. Durante*

**Consensus panel on breast US elastography**  
chairs - *A. Mundinger, G. Rizzatto*

08.40 Tissue characteristics - *G. Rizzatto*

09:10 Physics and technology - *J. C. Bamber*

09.40 Overview of strain results - *E. Ueno*

10.10 Overview of shear wave results  
*E. B. Mendelson*

10.40 Refreshment break

**Special focus lectures**  
chairs - *J. Jellins, W. K. Moon*

11.00 ACR BI-RADS new edition  
*E. B. Mendelson*

11.45 Breast MRI: present role and future directions - *S. Heywang-Köbrunner*

12.30 Panel discussion with  
*A. Mundinger* and *G. Rizzatto*

13.00 Lunch break

**Update of pre-, intra- and post-operative ultrasound**  
chairs - *H. Madjar, E. Ueno*

14.00 Pre-operative staging - *A. Mundinger*

14.30 Operative guidance - *E. Durante*

15.00 Monitoring after therapy  
*C. Weismann*

15.30 Panel discussion with -  
*S. Heywang-Köbrunner,*  
*E. B. Mendelson - W. K. Moon*

### Special focus lectures

16.00-16.30 Assessment CME written test

16.30 Refreshment break

### The future of breast therapy

17.00 The future of breast therapy:  
new indications from imaging  
*Guest lecturer*

18.00 Final remarks - *A. Mundinger*

# **International Breast Ultrasound Course** **Multimodality Imaging & Interventional Techniques**

Lectures, Interactive presentations, "Hands-on" practical workshops

## **Registration Fee**

**REGISTRATION FEE: 4 Days, September 7-10, 2011      Euro 1.200 (VAT 20% included)**

**The course registration fee includes comprehensive course materials, CME certificates\*, lunches and refreshments.**

**\* IMPORTANT NOTES:** In accordance with the CME rules certificates will be given only to participants who attend the **entire course**.

## **Cancellation Policy**

**Cancellations must be notified to the Administrative Secretariat.**

**The registration Fee will be refunded as follows:**

**Euro 1.000 before July 31<sup>st</sup>, 2011**

**No refunds will be made after July 31<sup>st</sup>, 2011.**

## **How to Register**

**To register please visit the web site**

**[www.consorzioferraraaricerche.it](http://www.consorzioferraraaricerche.it)**

**and select the pages dedicated to the course.**

**Fill in the ON-LINE REGISTRATION FORM and proceed with the payment with a Credit Card or by Bank Transfer.**

**IMPORTANT!!! DEADLINE FOR REGISTRATION July 31<sup>st</sup>, 2011**



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***Multimodality Imaging & Interventional Techniques  
& Surgical Different Therapeutic Approaches***

Lectures, Interactive presentations, "Hands-on" practical workshops

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**September 5-8, 2012 • Ferrara, Italy**

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