



IUSS-FERRARA  
1391

# International Breast Ultrasound Course

## ***Multimodality Imaging & Interventional Techniques***

"Hands-on" practical workshops,  
lectures, interactive presentations

***Basic and Advanced Course***

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



**September 3 - 8, 2007**

**Ferrara, Italy**

## 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 other breast imaging modalities, and 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, H. Madjar - Germany, R. Otto, Switzerland, G. Rizzatto - Italy**

## Preliminary Faculty

**Dr. Jeff Bamber**  
Cancer Research  
Sutton, Surrey - UK

**Dr. Stefano Corcione**  
Az. Ospedaliero-Universitaria  
di Ferrara - Italy

**Prof. Enzo Durante**  
University of Ferrara - Italy

**Dr. Luciano M. Feggi**  
Az. Ospedaliero-Universitaria  
di Ferrara - Italy

**Prof. Bernhard-Joachim  
Hackelöer**  
Asklepios Klinik Barmbek  
Hamburg - Germany

**Dr. Jack Jellins**  
Founding President of IBUS  
Sydney - Australia

**Dr. Martina Locatelli**  
Ospedale Civile di Gorizia - Italy

**Prof. Helmut Madjar**  
German Diagnostic Clinic  
Wiesbaden - Germany

**Prof. Mauro Martini**  
Azienda USL, Ferrara - Italy

**Dr. Ellen B. Mendelson**  
Breast Center, Chicago - USA

**Prof. Rainer Otto**  
Cantonal Hospital  
Baden - Switzerland

**Dr. Stefano Panareo**  
Az. Ospedaliero-Universitaria  
di Ferrara - Italy

**Dr. Sabine Pankl**  
Breast Clinic, Vienna - Austria

**Dr. Christoph Rageth**  
Breast Center, Zürich - Switzerland

**Dr. Giorgio Rizzatto**  
Ospedale Civile di Gorizia - Italy

**Dr. Kazimierz Szopinski**  
Wojewódzki Szpital Bródnowski  
Warsaw - Poland

**Dr. Christian F. Weismann**  
St. Johannis Hospital  
Landeskliniken, Salzburg - Austria



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

**IUSS-FERRARA**  
1391

**University Institute  
for Higher Studies  
University of Ferrara**  
*Director*  
**Prof. Giovanni Fiorentini**

## Course Information

The "International Breast Ultrasound Course: multimodality imaging and interventional techniques" arranged by the International Breast Ultrasound School (IBUS) is hosted by the University of Ferrara's Institute for Higher Studies. The course consists of a six-day residential programme with lectures, workshops and interactive sessions, and meets the requirements of European and Italian Continuing Medical Education activities.

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

### Course Registration Fee:

ENTIRE COURSE: 6 Days, September 3-8, 2007	EURO 1100 (VAT 20% included)
INTRODUCTORY LEVEL: 2 Days, September 3-4, 2007	EURO 400 (VAT 20% included)
ADVANCED LEVEL: 4 Days, September 5-8, 2007	EURO 700 (VAT 20% included)

Course registration fees includes comprehensive course materials, CME certificates\*, lunches and refreshments.  
\* IMPORTANT NOTES: In accordance with the rules of the Italian Ministry of Health, CME certificates will be given only to participants who attend the ENTIRE COURSE (September 3-8, 2007).

***The course is open to a maximum of 50 attendants.  
The deadline for registration is: July 30th, 2007***

#### Course Venue

University Institute  
for Higher Studies, IUSS  
Via Scienze, 41  
44100 Ferrara, Italy

#### Scientific Committee

Prof. Enzo Durante  
General Surgery II - University of Ferrara  
e-mail: drn@unife.it

#### Administrative Secretariat

Consorzio Ferrara Ricerche  
Via Saragat, 1 - Blocco B - 1° Piano  
44100 Ferrara - e-mail: convegni@unife.it

For further information send an e-mail to:  
e-mail address in Italy or [info@ibus.org](mailto:info@ibus.org)

or visit the Ferrara University Institute for Higher Studies or IBUS web sites:

<http://www.iuss.unife.it> or <http://www.ibus.org>

Course web-pages are under construction and will be available soon at

<http://www.ibus.org> and <http://www.iuss.unife.it>

## Course Outline

### Day 1: Introductory Course - Part 1

- 08.30** Introduction **IUSS Ferrara**  
**1391 President, IBUS President**
- 08.45** Breast cancer: Epidemiology, risk factors, preventive strategies  
**E. Durante**
- 09.30** Histopathology of the breast - Benign disease, invasive and in situ malignancy **E. Durante**
- 10.15** Outline of Ultrasonic Imaging 1: Historical perspective, physical principles **J. Jellins**
- 11.00** Coffee break
- 11.30** Outline of X-ray Mammography: Physics, equipment, examination techniques, image reading and documentation **R. Otto**
- 12.15** Outline of MR Mammography: Physics, equipment, examination techniques, image reading and documentation **S. Corcione**
- 13.00** Lunch
- 13.45** Outline of Ultrasonic Imaging 2: Imaging artefacts, quality control, Doppler **J. Jellins**
- 14.30** Ultrasonic Imaging  
Optimization: Equipment settings, image display **K. Szopinski**
- 15.00** Practical workshop: "Hands-on" experience: **S. Corcione, E. Durante, M. Locatelli, H. Madjar, K. Szopinski**
- 17.00** Close
- 18.30** Welcome party

### Day 2: Introductory Course - Part 2

- 08.30** Ultrasonic Examination  
Techniques: Normal findings, physiological changes, benign and malignant classic signs **H. Madjar**
- 09.15** X-ray Mammography and Digital Mammography: Advantages and disadvantages **R. Otto**
- 10.00** MR Mammography:  
Interpretation of classic benign and malignant findings  
**S. Corcione**
- 10.45** Discussion **S. Corcione, H. Madjar, R. Otto**
- 11.00** Coffee break
- 11.30** Nuclear Medicine Breast Imaging **L. M. Feggi, S. Panareo**
- 13.00** Lunch
- 13.45** Interventional Techniques  
Principles **E. Mendelson**
- 14.30** Ultrasonic Imaging and MR Mammography Staging of Breast Cancer **H. Madjar, S. Corcione**
- 15.15** Practical workshop: "Hands-on" experience, test cases  
**S. Corcione, E. Durante, M. Locatelli, H. Madjar, E. Mendelson, K. Szopinski**
- 17.00** Close

## Course Outline

### Day 3: Advanced Course: *Interpretation 1*

- 08.30** The effect of Screening in Practice: The interval cancer.  
**E. Durante**
- 09.15** Ultrasonic Imaging of Benign Lesions **H. Madjar**
- 10.00** Ultrasonic Imaging of Malignant Lesions **H. Madjar**
- 10.45** Discussion **E. Durante, H. Madjar**
- 11.00** Coffee break
- 11.30** Optimizing Interpretation with Clinical Cases **E. Mendelson**
- 12.15** Breast Cancer Screening with Ultrasound and MR Mammography: when and why? **E. Mendelson, S. Corcione**
- 13.00** Lunch
- 13.45** Problems and Solutions using Multimodality Approach  
**E. Mendelson, S. Corcione**
- 14.30** The Breast Unit **E. Durante**
- 15.15** Practical workshop: "Hands-on" experience, test cases  
**S. Corcione, E. Durante, M. Locatelli, E. Mendelson, K. Szopinski**
- 17.00** Close

### Day 4: Advanced Course: *Interpretation 2*

- 08.30** X-ray Mammography BI-RADS  
**S. Pankl, G. Rizzatto**
- 09.15** MR Mammography BI-RADS  
**C. F. Weismann**
- 10.00** Ultrasound BI-RADS  
**J. B. Hackeloer**
- 10.45** Discussion J. B. Hackeloer,  
**S. Pankl, C. F. Weismann**
- 11.00** Coffee break
- 11.30** Three-dimensional Breast Ultrasound **C. F. Weismann**
- 12.15** The role of Colour Doppler and Vascularity Assessment  
**G. Rizzatto**
- 13.00** Lunch
- 13.45** Ultrasound-guided interventions  
**C. Rageth**
- 14.00** Stereotactical and MR Mammographic guided interventions **S. Corcione, C. F. Weismann**
- 15.00** Practical workshop: "Hands-on" cytology and core sampling  
**S. Corcione, E. Durante, J. B. Hackeloer, S. Pankl, G. Rizzatto, C. F. Weismann**
- 17.00** Close

## Course Outline

### Day 5: Advanced Course: *Decision Making*

- 08.30** Interactive Session: Decision making for biopsies according to lesions and site **E. Mendelson, C. Rageth**
- 09.15** Interactive Session: Applying BI-RADS for X-ray and MR Mammography **S. Pankl, C. F. Weismann**
- 10.00** Coffee break
- 10.30** Interactive Session: Applying BI-RADS in breast ultrasound **E. Mendelson, B. J. Hackeloer**

- 11.15** Video-Live demonstration Session: Interventional techniques and Image guided surgery **E. Durante**
- 12.15** Ultrasound Evaluation of Lymph Nodes and the Role in Sentinel Nodes **G. Rizzatto**
- 13.00** Lunch
- 13.45** Postoperative Surveillance of the Treated Breast **C. Rageth**
- 14.30** Practical workshop: "Hands-on" experience, test cases **E. Durante, E. Mendelson, S. Pankl, C. Rageth, G. Rizzatto**
- 17.00** Close

### Day 6: Advanced Course: *Special topics and new horizons*

- 08.30** New developments in Breast Ultrasound **G. Rizzatto**
- 09.15** Emerging Alternative Diagnostic techniques **J. Bamber**
- 10.00** Medicolegal Implications **M. Martini**

- 10.45** Coffee break
- 11.15** Medicolegal Litigation Cases **M. Martini**
- 12.00** CME Credit Test
- 13.00** Discussion **J. Bamber, E. Durante, J. Jellins, M. Martini, C. Rageth, G. Rizzatto**
- 13.30** Closing Remarks

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# International Breast Ultrasound Course

## Multimodality Imaging & Interventional Techniques

"Hands-on" practical workshops, lectures, interactive presentations

### REGISTRATION FORM

- To register:**
- Please use one registration form per person.
  - Please print or type the registration form, fill out completely and **return it signed BY FAX or MAIL together with a copy of your payment to the Administrative Secretariat at:**

**CONSORZIO FERRARA RICERCHE** - Via Saragat 1 - Blocco B - 1° Piano  
Italy - 44100 Ferrara - **Tel. +39 0532 762404 - Fax +39 0532 767347**  
E-mail: [convegna@unife.it](mailto:convegna@unife.it)

**IMPORTANT!!! DEADLINE FOR REGISTRATION JULY 30<sup>TH</sup> 2007**

**IMPORTANT NOTE:** The submission by fax or mail of the form is mandatory for the registration. Electronic submissions of the form do not guarantee the registration. The confirmation of the registration along with name badge will be notified by e-mail after the receipt of the copy of payment. Forms received without payment will not be processed. Payments by credit card are not processed electronically.

### PERSONAL DATA

<b>Family Name:</b>	Title:			
_____	<input type="checkbox"/> Mr.	<input type="checkbox"/> Prof.	<input type="checkbox"/> Dr.	<input type="checkbox"/> Ms.
<b>First Name</b>	_____			
<b>Date and Place of Birth</b>	_____			
<b>Fiscal Code</b> (for Italian people)	_____			
<b>Address of Residence</b>	_____			
<b>Zip Code</b>	<b>City</b>	<b>Country</b>		
_____	_____	_____		
<b>Phone</b>	<b>Fax</b>	<b>E-mail:</b>		
_____	_____	_____		
<b>Profession:</b>	_____			
<b>Affiliation/Organization:</b>	_____			

### INVOICE DATA

Do you want to invoice your organization/institution?  Yes  No

If yes, please address and mail the invoice to:

**Organization/Institution**

\_\_\_\_\_

**Address**

\_\_\_\_\_

**Zip Code** **City** **Country**

\_\_\_\_\_

**C.F./P.IVA/VAT number**

\_\_\_\_\_

**Purchase order**

\_\_\_\_\_

## REGISTRATION FEE

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**EURO 1100 (VAT 20% included)**  
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## METHOD OF PAYMENT

**IMPORTANT NOTES:** Payment must be made in Euros only. Registration must be accompanied by full payment. This form must be sent to the Administrative Secretariat along with the payment made out to:

**BANK TRANSFER TO:**

**Consorzio Ferrara Ricerche - c/c n. 7052.90 c/o Monte dei Paschi di Siena - Succursale di Ferrara**  
Viale Cavour, 139/141 - 44100 - Ferrara, Italy - **ABI code 01030 - CAB Code 13000**

**SWIFT/BIC: PASCITMMFER - IBAN: IT 36 U 01030 13000 000000705290 - Ref. W/SPO/DRN/02/07**

**CREDIT CARD:**

**Master/Eurocard**

**Visa**

**Cardholder's Name**

**Card Number:**

**Expiration date:**

**Signature:**

**I authorize my credit card to be debited for the amount of € .....**

**CANCELLATION POLICY:** Cancellation for participants must be communicated to the Administrative Secretariat. Registration Fee will be refunded as follows:

**70% before August 15<sup>th</sup>, 2007**

**50% from August 16<sup>th</sup> to August 30<sup>th</sup>, 2007**

**No refunds will be made after September 1<sup>st</sup>, 2007.**

## ACCOMMODATION AND TRAVEL DETAILS

Hotel bookings will be made directly by the Administrative Secretariat upon request made by this form. The name and address of the hotel will be communicated shortly before the date of the Course. Accommodation is in a 3 star hotel, with breakfast included. Hotel payment is the responsibility of participants and shall be made directly to the hotel upon departure. The credit card number must be provided on the present form in order to confirm the hotel booking. In case of a cancellation, please inform the Administrative Secretariat before August 27<sup>th</sup>, 2007. If later, one night's accommodation will be charged to the credit card according to the hotel cancellation policy.

**CREDIT CARD**  **Master/Eurocard**  **Visa**  **American Express**  **Other (Specify .....**)

**Cardholder's Name**

**Card Number:**

**Expiration date:**

**Signature:**

**HOTEL ROOM (RATE PER ROOM PER NIGHT)**

**Single MIN € 53 MAX € 75**  **Double MIN € 79 MAX € 90**  **Twin (2 separate beds) rate as for Double**

**Arrival date**

**Departure date**

**Number of nights**

**TRAVEL DETAILS**

**ARRIVAL**

**DEPARTURE**

**Airport/Station**

**Flight Number/Train Number**

**Time**

## NOTE TO SECRETARIAT

If you have any special requirements (food restrictions, special accommodation for persons with disabilities) please write a short note here.

**We inform you as stated by art. 13 D.lgs. 196/03:** Personally identifiable information are used for the purpose of participation at the course. You can choose to let us collect your data or not, but if you don't, participation to the course is not possible. Data will be used also with electronic devices and may be used for administrative, fiscal and/or commercial activity. We will not pass data to unauthorized third parties.

Responsible for the use of data is C.F.R., Via Saragat, c.n. 1, 44100, Ferrara (FE). You should act for your right as stated in art. 7, by sending an e-mail to [cf@unife.it](mailto:cf@unife.it). **Signature grants you have read the statement above.**

**Date:**

**Signature**