

Under the aegis of:



# 10<sup>th</sup> JUBILEE EULAR

## An Introductory Course on Musculoskeletal Ultrasound in Rheumatology

9<sup>th</sup>-11<sup>th</sup> of September, 2005  
Budapest, Hungary

### Main Topics

- Basic and advanced US physics
- Lessons from the history of US
- Safety and pitfalls using medical US
- Normal US anatomy of different tissues
- Normal US anatomy of peripheral joints
- Hands-on-practice on models
- Cutting edge in musculoskeletal US
- Standardization, guidelines and normal values in US
- Repeatability and reproducibility of US
- Elementary US pathology and reporting of findings
- US pathology of peripheral joints
- Hands-on-practice on patients
- Place of US between physical examination and other imaging methods
- Role and limitations of US in diagnosis
- Role and limitations of US in follow up and management
- Value of US in different rheumatological conditions
- Interventional musculoskeletal US
- Hand-on-practice to learn guided injection technique
- Consultancy with experts

### Faculty

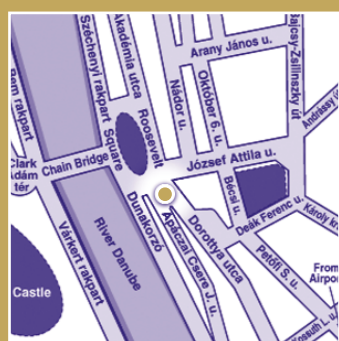
*Peter Balint*, Hungary - *Marina Backhaus*, Germany - *George Bruyn*, Netherlands  
*Jose Antonio Bouffard*, USA - *Maria Antonietta D'Agostino*, France  
*Fabien Etchepare*, France - *Walter Grassi*, Italy - *Emilio Filippucci*, Italy  
*Alistair Forrester*, United Kingdom - *Annamaria Iagnocco*, Italy  
*Franz Kainberger*, Austria - *David Kane*, United Kingdom - *Juhani Koski*, Finland  
*Norman W. McDicken*, United Kingdom - *Esperanza Naredo-Sánchez*, Spain  
*Philip O'Connor*, United Kingdom - *Wolfgang A. Schmidt*, Germany  
*Roger D Sturrock*, United Kingdom - *Nanno Swen*, Netherlands  
*Marcin Szkudlarek*, Denmark - *Jacqueline Uson*, Spain  
*Richard J. Wakefield*, United Kingdom.

### Chairmen

*Peter Balint*, Hungary - *Jose Antonio Bouffard*, USA - *George Bruyn*, The Netherlands  
*Alistair Forrester*, United Kingdom - *Walter Grassi*, Italy - *Franz Kainberger*, Austria  
*David Kane*, United Kingdom - *Wolfgang A. Schmidt*, Germany  
*Roger D Sturrock*, United Kingdom - *Richard J. Wakefield*, United Kingdom

### Congress venue

**Hotel Sofitel Atrium Budapest**  
Roosevelt Tér 2  
1051 Budapest - Ungary  
Tel. + 36 (1) 266 1234  
Fax + 36 (1) 266 9101  
www.sofitel.com



### Course Opening

Friday, September 9<sup>th</sup> 2005

### Course Closing

Sunday, September 11<sup>th</sup> 2005

### Official Language

English

### CME Credits

European and National.  
Application will be forwarded  
for both national and European credits.

### Convenor

**Peter V. Balint MD, PhD**  
National Institute of Rheumatology  
and Physiotherapy  
25-29 Frankel Leo St.  
1023 Budapest - Hungary  
Tel. +36 1 438 8300  
eMail: balint.peter@mail.orfi.hu

### Organizing Secretariat

**EDRA Spa**  
Viale Monza, 133  
20125 Milano - Italy  
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eMail: edracongressi@edraspa.it

### REGISTRATION FORM



An Introductory Course  
on Musculoskeletal Ultrasound  
in Rheumatology

To be mailed to:  
EDRA Spa  
Viale Monza, 133  
20125 Milano (Italy)  
or sent by fax to the phone number  
+39 02 70057965

Family name	First name	
Date of birth		
Position		
Medical specialty		
VAT/Fiscal code		
<b>1. Professional address</b>		
Institution		
Address		
City	City code	Country
Tel	Fax	eMail
<b>2. Home address</b>		
Address		
City	City code	Country
Tel	Fax	eMail

**Privacy Policy**  
Your personal data will be treated only by EDRA Spa electronic data bank and the other sister companies in the full respect of the Privacy Code (D. Lgs. 30/06/2003 n. 196) in defense of personal data. The personal data treatment, whose we guarantee the complete privacy, will be done only for communication and medical scientific upgrade purposes. Your data will not be transmitted or spread abroad to others. At any time you will be allowed to require the cancellation or modification of them writing to the attention of EDRA Spa. Responsible. [privacy@edraspa.it](mailto:privacy@edraspa.it)  I agree  I do not agree

Date  Signature

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# 10<sup>th</sup> JUBILEE EULAR

## An Introductory Course on Musculoskeletal Ultrasound in Rheumatology

9<sup>th</sup>-11<sup>th</sup> of September, 2005  
Budapest, Hungary

Friday, September 9<sup>th</sup> 2005

### Programme

- 13.00 - 14.00 Registration
  - 14.00 - 14.30 Welcome  
*Prof. Gyula Poór* (President of the Association of Hungarian Rheumatologists)  
*Peter V. Balint* (Convenor)  
*Geza P. Balint* (National Coordinator of Joint and Bone Decade 2000-2010)
  - 14.30 - 14.45 History of ultrasound in medicine and rheumatology
  - 14.45 - 15.05 Physics, terminology, artefacts, safety  
(As Low As Reasonable Achievable [ALARA principle])
  - 15.05 - 15.20 Normal tissue ultrasound anatomy
  - 15.20 - 15.35 Common sense and evidence using sonography in rheumatology. Bedside/Clinic, teaching, research.
  - 15.35 - 15.55 State of the Art in Gray/White and in 3D
  - 15.55 - 16.15 **Coffee break**
  - 16.15 - 16.35 Colour and Power Doppler, Contrast Agents and Harmonic Imaging, 3D in real time, possible technical developments in the future
  - 16.35 - 16.55 State of the Art in Colour
  - 16.55 - 17.15 Standardization of US technique, normal values, repeatability and reproducibility of US
  - 17.15 - 19.15 **Workshop:** Supervised hands-on scanning of models for normal tissue anatomy and familiarization with different settings of the equipments
- Free evening**

Saturday, September 10<sup>th</sup> 2005

- 08.30 - 08.45 Normal shoulder ultrasonography
- 08.45 - 09.00 Normal elbow ultrasonography
- 09.00 - 09.15 Normal hand and wrist ultrasonography
- 09.15 - 09.30 Normal hip ultrasonography
- 10.00 - 10.15 **Coffee break**
- 10.15 - 10.30 Normal knee ultrasonography
- 10.30 - 10.45 Normal ankle and foot ultrasonography
- 10.45 - 13.00 **Workshop:** Supervised hands-on scanning of models for shoulder, elbow, wrist, hands, hips, knees, and foets.
- 13.00 - 14.00 **Lunch at the hotel**
- 14.00 - 14.15 Essential US pathology, reporting of findings
- 14.15 - 14.30 Shoulder US pathology
- 14.30 - 14.45 Elbow US pathology
- 14.45 - 15.00 Hand and wrist US pathology
- 15.45 - 16.00 **Coffee break**
- 16.00 - 17.30 **Workshop:** Pathology demonstration Upper limb Supervised hands-on scanning
- 17.30 - 17.45 Hip US pathology
- 17.45 - 18.00 Knee US pathology
- 18.00 - 18.15 Ankle and foot US pathology
- 18.15 - 20.00 **Workshop:** Pathology demonstration Lower limb Supervised hands-on scanning
- 20.30 **Gala Dinner**

Sunday, September 11<sup>th</sup> 2005

- 08.30 - 08.45 Physical examination versus ultrasound exmination
- 08.45 - 09.05 US and other imaging modalities -CT, MRI, X-ray, isotope scanning
- 09.05 - 09.20 Role of sonography in inflammatory joint disease. Early and late findings.
- 09.20 - 09.40 Musculoskeletal ultrasonography in orthopedics and sports medicine
- 09.40 - 09.55 US of juvenile arthritis
- 09.55 - 10.10 The role and limitations of US in diagnosis, follow up and management of rheumatic diseases
- 10.10 - 10.30 **Coffee break**
- 10.30 - 10.50 Role of sonography in vasculitis
- 10.50 - 11.10 Role of sonography in infections and crystal diseases
- 11.10 - 11.30 Normal variants, degenerative abnormalities, aging process and ultrasound findings
- 11.30 - 11.50 Interventional US
- 11.50 - 12.50 **Workshop:** Supervised hands-on scanning interventional US
- 12.50 **Closing Remarks**

Banks must be instructed to make payments in Euro "in full" to ensure no commission or bank charges are deducted. Please remember to send a copy of the bank receipt along with the Registration Form.

- Early registration is advisable. Number of participants is limited.
- Is advisable to return the completed form with the payment details by fax no later than July 15<sup>th</sup> 2005.

#### Cancellation and refunds

- Cancellations received by July 1<sup>st</sup> 2005: 70% refund of registration fee
- Cancellations received after July 1<sup>st</sup> 2005: no refund. All refunds will be handled after course
- All prices are VAT included

Date

Signature \_\_\_\_\_

- Course & accomodation package** ..... € **1200,00**  
Includes: abstract book, certificate of attendance, 4 coffee breaks, 1 lunch, 1 gala dinner, hotel accomodation single occupancy for 2 nights (In > 9<sup>th</sup> September 2004 Out > 11<sup>th</sup> September 2005)
  - Course package** ..... € **810,00**  
Includes: abstract book, certificate of attendance, 4 coffee breaks, 1 lunch
  - Accompanying person's package** ..... € **200,00**  
Hotel accomodation - 2 nights (In > 9<sup>th</sup> September 2004 Out > 11<sup>th</sup> September 2005)  
includes: 4 coffee breaks, 1 lunch, 1 gala dinner  
 Accompanying person's name \_\_\_\_\_
- Total** ..... €

#### Please specify the following

ULTRASOUN EXPERIENCE:  basic  advanced

FOOD NEEDS:  vegetarian  other (please specify) \_\_\_\_\_

#### Payment by

- Enclosed bank cheque in Euro payable to: EDRA Spa
  - Bank transfer for Euro \_\_\_\_\_ to the order of Edra Spa - Cause "10<sup>th</sup> Jubilee Euler"  
Banca Popolare di Milano, Italy - Ag.48 IBAN CODE IT18D055840165500000000160
  - VISA  Eurocard/Mastercard  Diners  Amex Expiration date
- nr.
- Credit card holder's name \_\_\_\_\_

Date

Signature \_\_\_\_\_