

# ANNUAL REPORT 2014



*Education in partnership.*

# ESORF EUROPEAN SCHOOL OF RADIOLOGY

## *Education in partnership*



Memorial Sloan-Kettering  
Cancer Center

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*Thank you!*

## REVIEW 2014



Dear Colleagues,

On behalf of ESOR, I would like to report on yet another productive and creative year during which ESOR continued to play a leading role in providing complementary radiological education of high standards, both in Europe and worldwide.

During 2014 ESOR has expanded its range of activities by adding new course series and training programmes to its portfolio, to accommodate the ever-evolving needs for radiological education.

Outcomes once more emphasise the importance of establishing a long-term commitment for education in partnership and the value of delivering structured modular and mentored opportunities to learn from exchange.

2014 marked also the completion of eight years of ESOR in action, years of continuous growth in educational activities, tailored to address the needs of thousands of radiologists. During this period ESOR contributed significantly to raising the scientific profile of radiological education and, promoting the importance of subspecialisation as well as introducing fellowships in radiology in Europe. ESOR takes pride in being instrumental in mobilising resources available for radiological education in Europe and worldwide, thus moving forward with an informed body of luminaries, the ESOR community.

This is a fine opportunity for ESOR to express its profound appreciation and gratitude to all its devoted friends, believers in lifelong learning in radiology with whom ESOR has worked together in vision and practice throughout these years: Industry, Local Organisers, Lecturers and Teachers, Heads of Departments, Mentors and Tutors, Reference Training Centres, Subspecialties and National Societies. Their contribution and support is the backbone of ESOR's success and in fact the most valuable evidence that justifies our existence.

In this report all activities, established and continued or newly introduced during 2014 are presented. You are provided with a snapshot of the educational programme assigned to more than 1,850 residents and young radiologists along with a brief description of experiences gained from their participation and interaction.

Professor Nicholas Gourtsoyiannis  
ESOR Scientific/Educational Director

## ESOR COMMITTEE

March 2014 – March 2015

### Committee Chairman Scientific/Educational Director

Nicholas Gourtsoyiannis, Athens/GR

### Committee Members

Regina Beets-Tan, Maastricht/NL

Hans-Ulrich Kauczor, Heidelberg/DE

Celso Matos, Brussels/BE

Malgorzata Szczerbo-Trojanowska, Lublin/PL

### Ex-officio Members

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Luis Donoso, Barcelona/ES

Thomas Helbich, Vienna/AT

Christian Loewe, Vienna/AT

Mario Maas, Amsterdam/NL

Borut Marincek, Cleveland/US

Luis Marti-Bonmati, Valencia/ES

Madja M. Thurnher, Vienna/AT

*ESNR European Course of Neuroradiology*

Siegfried Trattig, Vienna/AT

*ESMRMB School of MRI*

Harriet Thoeny, Bern/CH



**Greek:** Γαληνός

**Latin:** Claudius Galenus of Pergamum

**Arabic:** Jalinus

Galen was an ancient Greek physician whose teaching was influential all the way up to the Renaissance. His views dominated European medicine for over a thousand years and Galen's work can be seen as building on the Hippocratic theories of the body.

The GALEN courses are scheduled to rotate among representative venues throughout Europe. In terms of content and aim they are structured into foundation courses, focusing on the early years of training and advanced courses, directed at the later years of training and young radiologists. Each programme is structured along the lines of lecture series and interactive case discussions (workshops), assigned to internationally renowned European faculties. In 2014 one foundation and four advanced courses have been organised, covering topics across the modalities reaching a total number of 362 participants.

## GALEN FOUNDATION COURSE

One GALEN Foundation Course aimed at residents in their first, second or third year of training in radiology took place in partnership with Bracco and was dedicated to neuroradiology. It was attended by a total of 90 residents from 18 countries.

## GALEN ADVANCED COURSES

The four GALEN Advanced Courses were aimed at residents in their fourth or fifth year of training and/or general radiologists in their early years of practice and took place in partnership with Bracco. The courses were dedicated to topics in cross-sectional imaging (cardiac, abdominal oncologic, oncologic and musculoskeletal) and were attended by 272 doctors from 37 countries.

**LEVEL I+II**

## NEURORADIOLOGY

June 26-28, 2014

Wroclaw/Poland

### Local organiser:

M. Sasiadek  
Wroclaw/PL

### Topics and Faculty:

#### Imaging of spine trauma – vertebral and extramedullary spinal canal injuries

J. Walecki, Warsaw/PL

#### Imaging of spine trauma – spinal cord injuries

M. Stajgis, Poznan/PL

#### Imaging in degenerative disease of the spine

M. Sasiadek, Wroclaw/PL

#### Pattern recognition in neuroradiology

L. Van den Hauwe, Antwerp/BE

#### MRI of the brain: why, how, when

R. Gasparotti, Brescia/IT

#### Ring-like enhancing lesions

M. Thurnher, Vienna/AT

#### Brain injury

P. Parizel, Antwerp/BE

#### CNS infections

E. Papadaki, Heraklion/GR

#### CNS malignancies

C. Calli, Izmir/TR

#### Imaging in epilepsy

P. Sundgren, Lund/SE

#### Stroke: diagnosis and therapy

P. Vilela, Lisbon/PT

#### White matter diseases

M. Thurnher, Vienna/AT

### Number of participants: 90

**Country statistics:** Australia 1, Austria 1, Belgium 2, Estonia 1, France 1, Germany 7, Ireland 1, Lithuania 1, Netherlands 2, Poland 44, Portugal 2, Romania 12, Saudia Arabia 1, Spain 6, Switzerland 2, Ukraine 4, United Kingdom 1, Uzbekistan 1

# GALEN ADVANCED Courses

## LEVEL II

### CARDIO-THORACIC CROSS-SECTIONAL IMAGING

June 5-6, 2014  
Palermo/Italy

#### Local organiser:

M. Midiri  
Palermo/IT

#### Topics and Faculty:

##### State of the art CT cardiac imaging protocols

H.-C. Becker, Munich/DE

##### Most important cardiac MRI protocols

A. de Roos, Leiden/NL

##### CT diagnosis/rule out of stable coronary heart disease

V. Sinitsyn, Moscow/RU

##### Diagnosis of coronary heart disease beyond stenosis detection: imaging the ischemic myocardium (CT/MR)

M. Francone, Rome/IT

##### Non ischemic cardiomyopathies

A. de Roos, Leiden/NL

##### My top 5 cardiac CT indications

C. Loewe, Vienna/AT

##### My top 5 cardiac MR indications

M. Francone, Rome/IT

##### Valvular heart disease

H.-C. Becker, Munich/DE

##### Congenital heart disease in children and adults

A. Madureira, Porto/PT

##### Current and future role of imaging in acute chest pain (CT/MRI)

C. Loewe, Vienna/AT

##### Imaging of pulmonary embolism and pulmonary hypertension

C. Schaefer-Prokop, Amsterdam/NL

##### HRCT of interstitial lung diseases

A. Larici, Rome/IT

##### Management of intrapulmonary nodules

H. Prosch, Vienna/AT

**Number of participants: 49**

**Country statistics:** Czech Republic 1, Egypt 1, Italy 31,  
Lebanon 1, Norway 2, Poland 9, Russian Federation 1,  
Serbia 1, Slovakia 1, Turkey 1

**LEVEL II**

## ABDOMINAL ONCOLOGIC IMAGING

September 5-6, 2014  
Moscow/Russia

**Local organiser:**

G. Karmazanovsky  
Moscow/RU

**Topics and Faculty:**

**Structured reporting of esophageal and GOJ neoplasms**

S. Jackson, Plymouth/UK

**CEUS in abdominal oncologic imaging**

O. Lucidarme, Paris/FR

**Functional MRI in abdominal oncology**

V. Vandecaveye, Leuven/BE

**Imaging liver cirrhosis – from regenerative nodule to HCC**

G. Brancatelli, Palermo/IT

**Imaging metastatic liver disease**

A. Blachar, Tel Aviv/IL

**Solid pancreatic tumours – imaging protocols, staging, resectability**

J. Heverhagen, Bern/CH

**Imaging bile duct tumours – detection, characterisation and staging**

G. Karmazanovsky, Moscow/RU

**CT colonography for colon cancer**

D. Regge, Candiolo/IT

**Structured reporting of anorectal cancer**

S. Gourtsoyianni, London/UK

**Number of participants: 67**

**Country statistics:** Estonia 1, Russian Federation 50, Slovakia 1, Slovenia 1, South Africa 1, Spain 1, Sweden 1, Switzerland 1, Turkey 9, Ukraine 1

# GALEN ADVANCED Courses

**LEVEL II+III**

## ONCOLOGIC IMAGING

September 18-19, 2014  
Geneva/Switzerland

### Local organiser:

C. Becker  
Geneva/CH

### Topics and Faculty:

**The significance of imaging in the management of patients with cancer**

R. Reznek, London/UK

**The biology of cancer and its relationship to treatment**

L. Marti-Bonmati, Valencia/ES

**Communications in imaging patients with cancer: structured reporting, multidisciplinary meetings, share decision making (speaking with patients)**

Y. Menu, Paris/FR

**Quantitative imaging: challenges in image processing**

N. Papanikolaou, Heraklion/GR

**Diagnostic challenges in oncologic imaging: multimodality imaging of primary and recurrent head and neck cancer**

M. Becker, Geneva/CH

**Diagnostic challenges in oncologic imaging: multimodality imaging of lung cancer**

X. Montet, Geneva/CH

**Diagnostic challenges in oncologic imaging: primary cancer of the liver**

F. Caseiro Alves, Coimbra/PT

**Diagnostic challenges in oncologic imaging: multimodality imaging of prostate cancer**

G. Villeirs, Gent/BE

**Diagnostic challenges in oncologic imaging: cancer of the colon and rectum**

R. Beets-Tan, Maastricht/NL

**The detection of metastatic disease: Whole body MRI, CT, PET-CT and PET-MR**

H.-P. Schlemmer, Heidelberg/DE

**Incidental findings in oncological patients**

C. Matos, Brussels/BE

**Complications after treatment: how to differentiate treatment sequela from cancer recurrence**

D.-M. Koh, London/UK

**Assessment of treatment response: current criteria and their limitations (RECIST and PERCIST)**

M. Laniado, Dresden/DE

**Assessment of treatment response: functional imaging biomarkers and their potential**

V. Goh, London/UK

### Number of participants: 52

**Country statistics:** Angola 1, Australia 2, Belgium 1, Estonia 1, Finland 1, Germany 1, Greece 2, Islamic Republic of Iran 2, Ireland 2, Italy 3, Lithuania 2, Netherlands 6, Norway 1, Poland 3, Portugal 1, Romania 5, Russian Federation 2, Saudi Arabia 1, Slovakia 2, Sweden 1, Switzerland 9, Turkey 1, United Kingdom 2



**LEVEL II**

**MUSCULOSKELETAL  
CROSS-SECTIONAL IMAGING**

October 30-31, 2014  
Amsterdam/Netherlands

**Local organiser:**

M. Maas  
Amsterdam/NL

**Topics and Faculty:**

**Imaging of benign versus malignant vertebral fractures**

G. Guglielmi, Foggia/IT

**MRI of the cartilage**

C. Glaser, Munich/DE

**MRI of bone marrow**

A. Karantanas, Heraklion/GR

**MRI of the rotator cuff: what the clinician needs**

U. Aydingoz, Ankara/TR

**MRI of the wrist**

M. Zanetti, Zurich/CH

**MRI of the knee**

A. Heuck, Munich/DE

**Sports injuries**

M. Maas, Amsterdam/NL

**Bone tumours: old and new MRI techniques**

K. Verstraete, Gent/BE

**Soft tissue tumours**

F. Vanhoenacker, Antwerp/BE

**Number of participants: 104**

**Country statistics:** Austria 13, Belgium 2, Bulgaria 1, Cyprus 1,  
Denmark 1, Estonia 2, France 4, Germany 6, Greece 7,  
Islamic Republic of Iran 1, Ireland 1, Italy 1, Lithuania 1,  
Macedonia 1, Netherlands 24, Norway 3, Poland 6,  
Portugal 2, Romania 2, Russian Federation 2, South Africa 1,  
Spain 6, Switzerland 7, Turkey 6, United Kingdom 3

## ESOR COURSES FOR EDiR

In 2014 ESOR has introduced foundation courses to prepare/assist prospective candidates for the European Diploma in Radiology examination. Three cycles of courses at different times a year were organised at the ESR Learning Centre in Barcelona/Spain. The format included two to three one day modules at each cycle, each one dealing with a specific organ/system-oriented theme, targeting 25 participants per module. The learning objectives for each of the topics were strictly adhered to the European Training Curriculum.

Eight such courses were offered this year, covering abdominal, breast, cardiac, chest, head and neck, musculoskeletal, neuro and paediatric radiology. In total 65 participants from 19 countries attended the ESOR Courses for EDiR, some of them taking part in all eight courses throughout the year.



**LEVEL I+II**

## BREAST IMAGING

April 24, 2014  
Barcelona/Spain

### Topics and Faculty:

**Anatomy, physiology and imaging techniques of the breast and axilla**

F. Sardanelli, Milan/IT

**Interactive case discussion**

F. Sardanelli, Milan/IT

**Diseases of the breast**

F. Sardanelli, Milan/IT

**Interactive case discussion**

F. Sardanelli, Milan/IT

**2D and 3D (tomosynthesis) mammography**

T. Helbich, Vienna/AT

**Interactive case discussion**

T. Helbich, Vienna/AT

**Breast ultrasound**

E.M. Fallenberg, Berlin/DE

**Interactive case discussion**

E.M. Fallenberg, Berlin/DE

**Breast MR**

E.M. Fallenberg, Berlin/DE

**Interactive case discussion**

E.M. Fallenberg, Berlin/DE

**Reporting considerations in breast imaging**

S. Vinnicombe, Dundee/UK

**Interactive case discussion**

S. Vinnicombe, Dundee/UK

**Intervention in breast imaging**

T. Helbich, Vienna/AT

**Interactive case discussion**

T. Helbich, Vienna/AT

**Screening and management considerations in breast imaging**

S. Vinnicombe, Dundee/UK

**Interactive case discussion**

S. Vinnicombe, Dundee/UK

**Number of participants: 17**

**Country statistics:** Belgium 3, Egypt 1, Germany 1,  
Poland 3, Spain 9

# ESOR COURSES FOR EDIR

**LEVEL I+II**

## MUSCULOSKELETAL RADIOLOGY

April 25, 2014  
Barcelona/Spain

### Topics and Faculty:

**Bone tumours, benign and malignant: the right diagnostic approach**

K. Verstraete, Gent/BE

**Interactive case discussion**

K. Verstraete, Gent/BE

**The easy spine: congenital, developmental, inflammatory and degenerative disease**

V. Cassar-Pullicino, Oswestry/UK

**Interactive case discussion**

V. Cassar-Pullicino, Oswestry/UK

**Soft tissue tumours: what is the role of radiology**

K. Verstraete, Gent/BE

**Interactive case discussion**

K. Verstraete, Gent/BE

**The bare bones: large joint – the knee**

V. Cassar-Pullicino, Oswestry/UK

**Interactive case discussion**

V. Cassar-Pullicino, Oswestry/UK

**The painful hip in the adolescent, the senior and the athlete**

A. Karantanas, Heraklion/GR

**Interactive case discussion**

A. Karantanas, Heraklion/GR

**Trauma of the lower extremity – conventional classification and cross-sectional imaging, including stress fractures**

M. Maas, Amsterdam/NL

**Interactive case discussion**

M. Maas, Amsterdam/NL

**Bone marrow evaluation**

A. Karantanas, Heraklion/GR

**Interactive case discussion**

A. Karantanas, Heraklion/GR

**The bare bones: small joints – the wrist**

M. Maas, Amsterdam/NL

**Interactive case discussion**

M. Maas, Amsterdam/NL

**Number of participants: 17**

**Country statistics:** Belgium 3, Egypt 1, Germany 1, Poland 4, Spain 8

**LEVEL I+II**

## CHEST IMAGING

April 26, 2014  
Barcelona/Spain

### Topics and Faculty:

#### Thoracic imaging techniques

J. Vilar, Valencia/ES

#### Interactive case discussion

J. Vilar, Valencia/ES

#### Radiological thoracic anatomy

J. Caceres, Barcelona/ES

#### Interactive case discussion

J. Caceres, Barcelona/ES

#### Radiological signs/patterns and 'behaviour' of lung disease

J. Caceres, Barcelona/ES

#### Interactive case discussion

J. Caceres, Barcelona/ES

#### Diffuse interstitial lung diseases

J. Vilar, Valencia/ES

#### Interactive case discussion

J. Vilar, Valencia/ES

#### Lung cancer

E. van Beek, Edinburgh/UK

#### Interactive case discussion

E. van Beek, Edinburgh/UK

#### Airways disease

H.-U. Kauczor, Heidelberg/DE

#### Interactive case discussion

H.-U. Kauczor, Heidelberg/DE

#### Pleural disease

E. van Beek, Edinburgh/UK

#### Interactive case discussion

E. van Beek, Edinburgh/UK

#### Lung infection in the immunocompromised host

H.-U. Kauczor, Heidelberg/DE

#### Interactive case discussion

H.-U. Kauczor, Heidelberg/DE

**Number of participants: 17**

**Country statistics:** Belgium 3, Egypt 1, Germany 1, Peru 1,  
Poland 3, Spain 8

# ESOR COURSES FOR EDIR

LEVEL I+II

## ABDOMINAL IMAGING

November 6, 2014

Barcelona/Spain

### Topics and Faculty:

#### GI and abdominal radiology – the basics

S. Jackson, Plymouth/UK

#### Interactive case discussion

S. Jackson, Plymouth/UK

#### Focal liver lesions: how can I recognise and characterise them?

C. Ayuso, Barcelona/ES

#### Interactive case discussion

C. Ayuso, Barcelona/ES

#### Biliary stenosis and dilatations: main causes and differential diagnosis

C. Triantopoulou, Athens/GR

#### Interactive case discussion

C. Triantopoulou, Athens/GR

#### Acute abdominal conditions: what should never be missed

M. Zins, Paris/FR

#### Interactive case discussion

M. Zins, Paris/FR

#### Pancreatic disorders

C. Triantopoulou, Athens/GR

#### Interactive case discussion

C. Triantopoulou, Athens/GR

#### Small bowel diseases

G.A. Rollandi, Genoa/IT

#### Interactive case discussion

G.A. Rollandi, Genoa/IT

#### Rectal cancer

S. Jackson, Plymouth/UK

#### Interactive case discussion

S. Jackson, Plymouth/UK

#### Peritoneum and mesentery

M. Zins, Paris/FR

#### Interactive case discussion

M. Zins, Paris/FR

### Number of participants: 23

**Country statistics:** Austria 2, Belgium 2, Germany 3, Greece 1, Netherlands 1, Portugal 1, Slovenia 1, Spain 9, Sweden 2, Switzerland 1

**LEVEL I+II**

## PAEDIATRIC RADIOLOGY

November 7, 2014

Barcelona/Spain

### Topics and Faculty:

#### Basics of CNS imaging in childhood

M. Argyropoulou, Ioannina/GR

#### Interactive case discussion

M. Argyropoulou, Ioannina/GR

#### Thorax: which imaging, when and how safe

C. Owens, London/UK

#### Interactive case discussion

C. Owens, London/UK

#### Skeletal pathology: how best to use imaging and recognise pathology

C. Adamsbaum, Paris/FR

#### Interactive case discussion

C. Adamsbaum, Paris/FR

#### Urinary tract: how imaging answers to the most common questions

F. Avni, Brussels/BE

#### Interactive case discussion

F. Avni, Brussels/BE

#### Imaging in child abuse

C. Adamsbaum, Paris/FR

#### Interactive case discussion

C. Adamsbaum, Paris/FR

#### Imaging infection in the paediatric chest: current concepts

C. Owens, London/UK

#### Interactive case discussion

C. Owens, London/UK

#### The digestive tract: imaging in the most common abnormalities

M. Argyropoulou, Ioannina/GR

#### Interactive case discussion

M. Argyropoulou, Ioannina/GR

#### The solid organs of the upper abdomen: normal appearances and pathology

F. Avni, Brussels/BE

#### Interactive case discussion

F. Avni, Brussels/BE

### Number of participants: 24

**Country statistics:** Austria 2, Belgium 2, Chile 1, Denmark 2, Germany 3, Greece 1, Netherlands 1, Portugal 1, Slovenia 1, Spain 6, Sweden 2, Switzerland 1, Turkey 1

# ESOR COURSES FOR EDIR

LEVEL I+II

## CARDIAC IMAGING

November 8, 2014

Barcelona/Spain

### Topics and Faculty:

#### Cardiac anatomy

C. Loewe, Vienna/AT

#### Interactive case discussion

C. Loewe, Vienna/AT

#### Cardiac CT technique

F. Bamberg, Munich/DE

#### Interactive case discussion

F. Bamberg, Munich/DE

#### Cardiac MR technique

M. Francone, Rome/IT

#### Interactive case discussion

M. Francone, Rome/IT

#### Coronary artery disease

F. Bamberg, Munich/DE

#### Interactive case discussion

F. Bamberg, Munich/DE

#### Myocardial diseases

M. Francone, Rome/IT

#### Interactive case discussion

M. Francone, Rome/IT

#### Valvular disease

K.-F. Kreitner, Mainz/DE

#### Interactive case discussion

K.-F. Kreitner, Mainz/DE

#### Congenital heart disease

K.-F. Kreitner, Mainz/DE

#### Interactive case discussion

K.-F. Kreitner, Mainz/DE

#### Aortic diseases

C. Loewe, Vienna/AT

#### Interactive case discussion

C. Loewe, Vienna/AT

### Number of participants: 19

**Country statistics:** Austria 2, Belgium 1, France 1,  
Germany 3, Greece 1, Netherlands 1, Portugal 1, Slovenia 1,  
Spain 6, Sweden 2



LEVEL I+II

## NEURORADIOLOGY

November 14, 2014  
Barcelona/Spain

### Topics and Faculty:

#### CNS trauma

L. Van den Hauwe, Antwerp/BE

#### Interactive case discussion

L. Van den Hauwe, Antwerp/BE

#### CNS infections: a road map from imaging to pathogen

M. Thurnher, Vienna/AT

#### Interactive case discussion

M. Thurnher, Vienna/AT

#### Imaging in brain tumours

L. Van den Hauwe, Antwerp/BE

#### Interactive case discussion

L. Van den Hauwe, Antwerp/BE

#### Imaging in stroke

P. Vilela, Lisbon/PT

#### Interactive case discussion

P. Vilela, Lisbon/PT

#### White matter diseases: demyelinating diseases dementia and aging brain

M. Thurnher, Vienna/AT

#### Interactive case discussion

M. Thurnher, Vienna/AT

#### Paediatric neuroradiology

M. Severino, Genoa/IT

#### Interactive case discussion

M. Severino, Genoa/IT

#### Essentials of interventional neuroradiology

P. Vilela, Lisbon/PT

#### Interactive case discussion

P. Vilela, Lisbon/PT

#### Update on spinal imaging

M. Severino, Genoa/IT

#### Interactive case discussion

M. Severino, Genoa/IT

### Number of participants: 23

**Country statistics:** Austria 1, Belgium 1, France 1,  
Germany 6, Netherlands 1, Poland 1, Slovenia 1, Spain 8,  
Sweden 1, Switzerland 1, United Arab Emirates 1

# ESOR COURSES FOR EDIR

**LEVEL I+II**

## HEAD AND NECK RADIOLOGY

November 15, 2014

Barcelona/Spain

### Topics and Faculty:

#### Paranasal sinus inflammation

R. Maroldi, Brescia/IT

#### Interactive case discussion

R. Maroldi, Brescia/IT

#### Middle ear inflammation

F. Veillon, Strasbourg/FR

#### Interactive case discussion

F. Veillon, Strasbourg/FR

#### Inner ear pathology

F. Veillon, Strasbourg/FR

#### Interactive case discussion

F. Veillon, Strasbourg/FR

#### Oral cavity and oropharyngeal pathology

R. Maroldi, Brescia/IT

#### Interactive case discussion

R. Maroldi, Brescia/IT

#### Laryngeal and hypopharyngeal pathology

M. Becker, Geneva/CH

#### Interactive case discussion

M. Becker, Geneva/CH

#### Neck lymph nodes

F.A. Pameijer, Utrecht/NL

#### Interactive case discussion

F.A. Pameijer, Utrecht/NL

#### Salivary gland pathology

M. Becker, Geneva/CH

#### Interactive case discussion

M. Becker, Geneva/CH

#### Thyroid and parathyroid pathology

F.A. Pameijer, Utrecht/NL

#### Interactive case discussion

F.A. Pameijer, Utrecht/NL

### Number of participants: 25

**Country statistics:** Austria 1, Belgium 1, France 2,  
Germany 7, Netherlands 1, Poland 1, Slovenia 1, Spain 9,  
Sweden 1, Switzerland 1, United Arab Emirates 1,  
United Kingdom 1



**Greek:** Γαληνός

**Latin:** Aesculapius

Asklepios (or Asclepius) was the God of Medicine and reputed ancestor of the Asklepiades, the ancient Greek doctors' guild.

Asklepios represents the healing aspect of medical arts. He had four daughters: Aglaa/Agle, goddess of natural beauty and fitness, Hygieia, goddess of disease prevention, Panacea, goddess of healing (literally, „all-healing“), and also, goddess of recuperation from illness.

Healing temples and „sanctuaries“ called Asclepieia became increasingly popular around 300 BC where pilgrims flocked to Asclepieia to be healed. Asclepius' most famous sanctuary was in Epidaurus. Another famous „asclepieion“ was on the island of Kos where Hippocrates, the legendary Father of Medicine, is said to have begun his career. Asklepios statues may be recognised by the presence of serpents.

## ASKLEPIOS COURSES IN EUROPE

This year's programme included six ASKLEPIOS courses, which were tailored to address recognised needs and were held in Europe. Content wise these were very diverse and aimed, in particular, at general radiologists and private practitioners.

For the first time this year, two multimodality courses were held in partnership with Euromedic. These courses took place in Vilnius/Lithuania and Heraklion/Greece and were attended by 50 and 45 radiologists from all over Europe respectively.

The third ESOR course on “Imaging Biomarkers” took place in the ESR Learning Centre in Barcelona/Spain in partnership with Bracco, Siemens and Philips and attracted 14 participants from 5 countries. The aim of the course was to learn the definition and development of imaging biomarkers, to understand the multiparametric analysis, to differentiate the biases that may influence results, to identify the different biomarkers that are used in research and clinical areas in different regions of the human body and to recognise oncologic and non-oncologic biomarkers.

After two successful courses in 2012 and 2013, ESOR again delivered jointly with ESTRO a multidisciplinary course aimed at both radiologists and radiation oncologists, in partnership with Guerbet. The course took place in Maastricht/Netherlands and was held under the title “Multidisciplinary Approach to Cancer Imaging”. It was attended by 52 participants from 16 countries.

In a joint initiative, ESOR and the European School of Nuclear Medicine (ESNM) were organising for the first time an educational course on “Hybrid Imaging”, in Barcelona/Spain. The course was designed as a forum for radiologists, nuclear medicine physicians and oncologists seeking to update their knowledge of state-of-the-art cancer imaging. The expert faculty included nuclear medicine physicians as well as radiologists. This unique course attracted 48 participants from 17 countries.

# ASKLEPIOS

## Courses

### LEVEL III

## PRE-CONGRESS COURSE MULTIDISCIPLINARY MANAGEMENT OF CANCER: THE ROLE OF IMAGING

March 5, 2014  
Vienna /Austria

### Topics and Faculty:

**PART I - Essentials in the multidisciplinary management of rectal cancer**

**The surgeon: evidence-based clinical decision-making in early stage cT1-2-T3a/b rectal cancer**

G.L. Beets, Maastricht/NL

**PART I - Essentials in the multidisciplinary management of rectal cancer**

**Clinical case I: multidisciplinary discussion**

R. Beets-Tan, Maastricht/NL

**PART I - Essentials in the multidisciplinary management of rectal cancer**

**The radiation oncologist: evidence-based clinical decision-making in advanced stage cT3c/d/CRM+ rectal cancer**

V. Valentini, Rome/IT

**PART I - Essentials in the multidisciplinary management of rectal cancer**

**Clinical case II: multidisciplinary discussion**

R. Beets-Tan, Maastricht/NL

**PART II - Essentials in the multidisciplinary management of prostate cancer**

**The urologist: evidence-based clinical decision-making in early stage cT2-T3a prostate cancer**

B.A. Hadaschik, Heidelberg/DE

**PART II - Essentials in the multidisciplinary management of prostate cancer**

**Clinical case I: multidisciplinary discussion**

H.-P. Schlemmer, Heidelberg/DE

**PART II - Essentials in the multidisciplinary management of prostate cancer**

**The radiation oncologist: evidence-based clinical decision-making in advanced stage cT3b prostate cancer**

V. Khoo, Sutton/UK

**PART II - Essentials in the multidisciplinary management of prostate cancer**

**Clinical case II: multidisciplinary discussion**

H.-P. Schlemmer, Heidelberg/DE

**Part III - Essentials in the multidisciplinary management of cervical cancer**

**The gynaecologist: evidence-based clinical decision-making of FIGO IIa/b cervical cancer**

C. Marth, Innsbruck/AT

**Part III - Essentials in the multidisciplinary management of cervical cancer**

**Clinical case I: multidisciplinary discussion**

R. Forstner, Salzburg/AT

**Part III - Essentials in the multidisciplinary management of cervical cancer**

**The radiation oncologist: evidence-based clinical decision-making in FIGO IIIa/b cervical cancer**

R. Pötter, Vienna/AT

**Part III - Essentials in the multidisciplinary management of cervical cancer**

**Clinical case II: multidisciplinary discussion**

R. Forstner, Salzburg/AT

### Number of participants: 37

**Country statistics:** Australia 2, Austria 1, Egypt 1, Finland 1, France 1, Germany 1, Greece 4, India 3, Ireland 2, Israel 1, Latvia 2, Malta 1, Netherlands 2, Poland 1, Russian Federation 4, Spain 6, Sweden 1, United Arab Emirates 1, United Kingdom 2

**LEVEL II**

## MULTIMODALITY COURSE

May 23–24, 2014  
Vilnius/Lithuania

**Local organiser:**

J. Dementaviciene  
Vilnius/LT

**Topics and Faculty:**

**Pitfalls in head and neck imaging**

F.A. Pameijer, Utrecht/NL

**Optimised imaging and reconstruction protocols for cardiac CT: tips and tricks**

H. Alkadhi, Zurich/CH

**Imaging thoracic aortic diseases**

M. Szczerbo-Trojanowska, Lublin/PL

**MR imaging of the ischemic myocardium**

M. Gutberlet, Leipzig/DE

**Advanced abdominal MRI protocols for oncology**

N. Papanikolaou, Heraklion/GR

**MDCT protocols for acute abdominal disorders**

P.-A. Poletti, Geneva/CH

**CT urography**

N.C. Cowan, Birmingham/UK

**MR Imaging of rectal cancer**

L. Blomqvist, Stockholm/SE

**Imaging peritoneal carcinomatosis**

P. Prassopoulos, Athens/GR

**Number of participants: 50**

**Country statistics:** Estonia 2, Greece 3, Hungary 4, Ireland 4, Lithuania 25, Poland 6, Romania 2, Slovakia 3, Turkey 1

**LEVEL III**

## IMAGING BIOMARKERS

June 5–6, 2014  
Barcelona/Spain

**Local organiser:**

S. Trattnig; Vienna/AT  
L. Marti-Bonmati; Valencia/ES

**Topics and Faculty:**

**Biomarkers: definition and development**

L. Marti-Bonmati, Valencia/ES

**Imaging biomarkers: multivariant - multiparametric analysis**

A. Alberich-Bayarri, Valencia/ES

**Measurements and biases in imaging biomarkers evaluation**

J.-P. Vallée, Geneva/CH

**Imaging biomarkers in neurological disease 1 - morphometry**

W. van Hecke, Antwerp/BE

**Imaging biomarkers in neurological disease 2 - functional**

M. Essig, Erlangen/DE

**Imaging biomarkers in breast tumours**

T. Helbich, Vienna/AT

**Imaging biomarkers in diffuse liver disease**

A. Ba-Ssalamah, Vienna/AT

**Imaging biomarkers in diseases of the pancreas**

C. Matos, Brussels/BE

**Imaging biomarkers in female pelvis disease**

A. Sahdev, London/UK

**Imaging biomarkers in prostate cancer**

J. Futterer, Nijmegen/NL

**Imaging biomarkers in musculoskeletal system - joint structures**

S. Trattnig, Vienna/AT

**Number of participants: 14**

**Country statistics:** Germany 1, Netherlands 3, Spain 4, Turkey 5, United Kingdom 1

# ASKLEPIOS

## Courses

### LEVEL II

## MULTIMODALITY COURSE

September 12-13, 2014  
Heraklion/Greece

#### Local organiser:

A. Karantanas  
Heraklion/GR

#### Topics and Faculty:

##### CT perfusion in ischemic and hemorrhagic stroke

M. Prokop, Nijmegen/NL

##### Challenges in head and neck cancer imaging

R. Maroldi, Brescia/IT

##### Evaluation of the indeterminate adrenal mass in patients with cancer

R. Reznick, London/UK

##### MR imaging of the breast: state of the art

F. Pediconi, Rome/IT

##### State-of-the-art CT cardiac imaging protocols

N. Nikolaou, Munich/DE

##### MDCT protocols for polytrauma patients

A. Palkó, Szeged/HU

##### MRI of sports-related overuse injuries

A. Karantanas, Heraklion/GR

##### Pitfalls in CT imaging of the liver

C. Catalano, Rome/IT

##### Multiparametric imaging of prostate cancer

U. Mueller-Lisse, Munich/DE

**Number of participants: 45**

**Country statistics:** Croatia 1, Czech Republic 1, Germany 1,  
Greece 18, Ireland 1, Italy 1, Lithuania 10, Poland 5,  
Romania 3, Slovakia 1, Turkey 3

**LEVEL III**

**MULTIDISCIPLINARY  
APPROACH TO CANCER  
IMAGING**

November 6–8, 2014  
Maastricht/Netherlands

**Local organiser:**

R. Beets-Tan  
Maastricht/NL

**Topics and Faculty:**

**Introduction: aim and methodology of the course**

R. Beets-Tan, Maastricht/NL  
V. Valentini, Rome/IT

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**Imaging technology in radiotherapy for radiologists**  
**Basic principle in radiation technology**  
V. Valentini, Rome/IT

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**Imaging technology in radiotherapy for radiologists**  
**Clinical application**  
U. Nestle, Freiburg/DE

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**Imaging technology in radiology for radiotherapists**  
**Basic principle in MR technology**  
N. Papanikolaou, Heraklion/GR

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**Imaging technology in radiology for radiotherapists**  
**Clinical application**  
V. Vilgrain, Clichy/FR

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**Radiation technology for radiotherapists**  
V. Valentini, Rome/IT

**Number of participants: 52**

**Country statistics:** Australia 1, Belgium 4, Finland 1, France 1,  
Germany 4, Greece 1, Ireland 1, Italy 1, Netherlands 29,  
Norway 1, Poland 2, Russian Federation 2, South Africa 1,  
Spain 1, Switzerland 1, United Arab Emirates 1

**Imaging technology in radiology and radiotherapy:  
protocols that matter**

**MR physics for radiologists**  
N. Papanikolaou, Heraklion/GR

**Node positive non-small cell lung cancer (NSCLC)  
Staging with Imaging**

A. Larici, Rome/IT

**Node positive non-small cell lung cancer (NSCLC)  
PET and new tracers for treatment planning/adaptation**

U. Nestle, Freiburg/DE

**How to manage treatment  
Surgery**

J. Maessen, Maastricht/NL

**How to manage treatment  
Radiotherapy**

D. Zips, Tuebingen/DE

**Liver - borderline resectable colorectal liver metastases  
CT and MRI of liver tumours**

V. Vilgrain, Clichy/FR

**Liver - borderline resectable colorectal liver metastases  
How to manage treatment - invasive and non-invasive**

C. Dejong, Maastricht/NL

**Liver - borderline resectable colorectal liver metastases  
How to manage treatment - radiation and systemic**

G. Lammering, Bonn/DE

**Pancreas - borderline resectable pancreatic cancer  
CT and MRI of pancreatic tumours**

R. Manfredi, Verona/IT

**Pancreas - borderline resectable pancreatic cancer  
How to manage treatment**

C. Dejong, Maastricht/NL

**Rectal cancer**

**How to manage treatment - surgery**

C. van de Velde, Leiden/NL

**Rectal cancer**

**How to manage treatment - radiation treatment**

V. Valentini, Rome/IT

**Rectal cancer**

**MRI of rectal cancer**

R. Beets-Tan, Maastricht/NL

# ASKLEPIOS

## Courses

### LEVEL III

## HYBRID IMAGING

November 13-15, 2014  
Barcelona/Spain

### Local organiser:

I. Carrió  
Barcelona/ES

L. Donoso  
Barcelona/ES

### Topics and Faculty:

#### Optimal imaging in head and neck cancer

M. Becker, Geneva/CH  
W. Oyen, Nijmegen/NL

#### Optimal imaging in non-small cell lung cancer

H.-U. Kauczor, Heidelberg/DE  
S. Stroobants, Edegem/BE

#### Optimal imaging in breast cancer

M. Fuchsjäger, Graz/AT  
W. Vogel, Amsterdam/NL

#### Optimal imaging in neuroendocrine tumours

D.-M. Koh, London/UK  
V. Lewington, London/UK

#### Optimal imaging in prostate cancer

H.-P. Schlemmer, Heidelberg/DE  
B. Krause, Rostock/DE

#### Optimal imaging in colorectal cancer

R. Beets-Tan, Maastricht/NL  
E. Comans, Amsterdam/NL

#### Imaging assessment of treatment response in clinical trials

V. Goh, London/UK  
S. Barrington, London/UK

#### MRI/PET: present and future

N. Schwenzer, Tuebingen/DE  
A. Kjaer, Copenhagen/DK

### Number of participants: 48

**Country statistics:** Austria 4, Belgium 5, Chile 1, Finland 1,  
Germany 4, Jordan 2, Netherlands 6, Norway 1, Poland 2,  
Qatar 1, Romania 1, Russian Federation 1, Spain 11,  
Sweden 1, Switzerland 3, Turkey 2, United Kingdom 2





## Visiting Schools and Seminars in Asia

# AIMS

## Advanced Imaging Multimodality Schools and Seminars

The Advanced Imaging Multimodality Schools and Seminars (AIMS) were organised jointly with the Chinese Society of Radiology (CSR) and the Korean Society of Radiology (KSR) and were supported by Bracco.

### **ADVANCED IMAGING MULTIMODALITY SCHOOLS IN CHINA**

Schools are designed to familiarise residents and young radiologists with established approaches and recent achievements in diagnostic imaging, related to topics across the modalities.

The three visits took place in Nanjing, Yinchuan and Shenyang and attracted a total of 380 Chinese radiologists.

### **ADVANCED IMAGING MULTIMODALITY SEMINARS IN CHINA AND KOREA**

The seminars are aimed at board-certified radiologists and specialists. These are organ- or subspecialty oriented, focused on the most recent diagnostic advances available and offer ample opportunities to share and exchange scientific knowledge and expertise.

The two seminars took place in Hangzhou and Seoul, with joint European, Chinese and Korean faculties and attracted 120 Chinese and 90 Korean radiologists, a total of 210 participants.

**LEVEL I**

**AIMS CHINA**

**SCHOOLS ON CARDIOVASCULAR IMAGING**

**Dates and Venues:**

April 8, Nanjing/CN (60 participants)  
 April 10, Yinchuan/CN (200 participants)  
 April 12, Shenyang/CN (120 participants)

**Local Chairmen:**

G. Lu, Nanjing/CN  
 Y. Guo, Yinchuan/CN  
 Q. Guo, Shenyang/CN

**Topics and Faculty:**

**MR imaging of the heart: when, how and why**

F. Pugliese, London/UK

**Case review**

F. Pugliese, London/UK

**CTA technique optimisation: imaging protocols and clinical application**

I. Carbone, Rome/IT

**Case review**

I. Carbone, Rome/IT

**MRA technique optimisation: imaging protocols and clinical applications**

T. Leiner, Utrecht/NL

**Case review**

T. Leiner, Utrecht/NL

**Clinical application of vascular imaging in vascular interventional radiology**

H. Zhu, Nanjing/CN

**Case review**

L. Zhang, Nanjing/CN

**Application of vascular imaging techniques in the vessel interventional therapy**

L. Zhu, Nanchuan/CN

**Case review**

B. Lu, Beijing/CN

**Clinical application of vascular imaging in vascular interventional radiology**

H. Zhong, Shenyang/CN

**Case review**

Y. Hou, Shenyang/CN

**LEVEL II+III**

**AIMS CHINA/KOREA**

**SEMINARS ON ONCOLOGIC IMAGING**

**Dates and Venue:**

July 10, Hangzhou/CN (120 participants)  
 July 12, Seoul/KR (90 participants)

**Local Chairmen:**

X. Feng, Shanghai/CN  
 J. Min Lee, Seoul/KR

**Topics and Faculty:**

**Diffusion weighted imaging in cancer**

C. Matos, Brussels/BE

**Advances in breast cancer imaging**

F. Sardanelli, Milan/IT

**Advances in imaging of renal cell carcinoma**

X. Wang, Beijing/CN

**Perfusion CT/MR in cancer**

Z. Yao, Shanghai/CN

**Colorectal liver metastasis - the role of the radiologist in the multidisciplinary team**

L. Marti-Bonmati, Valencia/ES

**Measuring treatment response**

M. Zhang, Hangzhou/CN

**Advances in imaging of renal mass**

H. Jae Choi, Seoul/KR

**Perfusion CT/MR in cancer**

I. Joo, Seoul/KR

**Measuring treatment response**

H. Kim, Seoul/KR

## Visiting Seminars in Latin America

# AIMS

## Advanced Imaging Multimodality Seminars

After a very successful start of the AIMS Seminars in Brazil in 2012, and the AIMS Seminars in Mexico in 2013, the long-term partnership with Bracco was continued. These features were again realised in partnership with the Brazilian College of Radiology, the Mexican Federation of Radiology (FRMI) and the Mexican Society of Radiology (SMRI). Both the AIMS Seminars in Brazil and in Mexico were aimed at participants from the respective country, in particular last year residents and certified general radiologists or specialists. The seminars in Mexico took place in Mexico City and Mérida and were attended by 76 and 81 participants respectively, a total of 157 participants. The AIMS programme in Brazil was dedicated to “Advanced Abdominal Imaging” and was hosted in Campinas and Recife with 90 and 97 attendees, summing up to 187 participants.



**LEVEL II**

## AIMS MEXICO

### SEMINARS ON INFECTIOUS AND INFLAMMATORY DISORDERS

**Dates and Venues:**

April 2-3, Mexico City/MX (76 participants)

April 4-5, Mérida/MX (81 participants)

**Local Chairmen:**

C. Rodríguez-Treviño, Mexico City/MX

L. Castro Sauri, Mérida/MX

J. Tanus Hajj, Mexico City/MX

**Topics and Faculty:**

**CNS Infections**

P. Parizel, Antwerp/BE

**Pulmonary infections**

G. Elizondo Riojas, Monterrey/MX

**Imaging of the immunocompromised patient**

H.-U. Kauczor, Heidelberg/DE

**Infectious diseases of the liver**

A.M. Perochena, Mexico City/MX

**Acute and chronic pancreatitis**

M. Zins, Paris/FR

**Abdominal manifestations of autoimmune diseases**

C. Triantopoulou, Athens/GR

**MRI of small bowel Crohn's disease**

N. Gourtsoyiannis, Athens/GR

**Pelvic inflammatory disorders**

R. Forstner, Salzburg/AT

**MRI imaging in arthritis**

C. González-Vergara, City/MX

**Infectious diseases of the liver**

G. Mota Ramírez, Mexico City/MX

**MRI imaging in arthritis**

G.E. Ornelas Cortinas, Monterrey/MX

**LEVEL II+III**

## AIMS BRAZIL

### SEMINARS ON ADVANCED ABDOMINAL IMAGING

**Dates and Venue:**

August 28-29, Campinas/BR (90 participants)

August 30-31, Recife/BR (97 participants)

**Local Chairmen:**

A. Prando, Campinas/BR

A. Carvalho de Barros Lira, Recife/BR

L. Costa, Belo Horizonte/BR

**Topics and Faculty:**

**DWI of the abdomen: the essentials**

H.M. Leao Filho, São Paulo/BR

**DWI of the liver and pancreas**

C. Matos, Brussels/BE

**Liver fibrosis and liver function**

L. Marti-Bonmati, Valencia/ES

**HCC: diagnosis and management**

M. de Souza, Rocha, São Paulo/BR

**Primary malignancies of the liver beyond HCC**

C. Bartolozzi, Pisa/IT

**Neuroendocrine tumours of the pancreas: imaging update**

R. Pozzi-Mucelli, Verona/IT

**MR enteroclysis of the small bowel: state of the art**

N. Gourtsoyiannis, Athens/GR

**CT colonography: state of the art**

A. Laghi, Rome/IT

**Dynamic magnetic resonance of the pelvic floor**

A.C. Coelho Brandão, Rio de Janeiro/BR

LEVEL II+III

# VISITING PROFESSORSHIP

## Programme Brazil

The success of the ASKLEPIOS course on Contrast Enhanced Ultrasound (CEUS) in Europe prompted ESOR to initiate a Visiting Professorship Programme on CEUS outside Europe, introducing it at first in Brazil. The programme was aimed at senior residents and board-certified radiologists primarily from Brazil, but also from neighbouring Latin American countries.

The aim was to offer an in-depth understanding of current techniques and main indications of CEUS. The programme was structured as a stand-alone one-day course, built around a small group of visiting professors, renowned European experts with extensive experience and contributions in CEUS, who gave the participants the practical knowledge that can be used immediately in their practice.

### CONTRAST ENHANCED ULTRASOUND (CEUS)

**Date and Venue:**

April 30, São Paulo/BR (26 participants)

**Local Organisers:**

A. Matteoni, Salvador/BR  
L. Costa, Belo Horizonte/BR

**Topics and Faculty:**

**CEUS of focal liver lesions**

D. Cokkinos, Athens/GR

**CEUS of the pancreas and spleen**

D.-A. Clevert, Munich/DE

**CEUS in abdominal emergencies**

D. Cokkinos, Athens/GR

**CEUS in vascular imaging**

D.-A. Clevert, Munich/DE

In 2014 three ESOR Tutorials were organised in Prague/CZ, Astana/KZ and Graz/AT.

The ESOR Prague Tutorial was organised by the University Hospital Motol in Prague under the chairmanship of Prof. M. Roček and supported by an unrestricted grant of GE Healthcare Nycomed. The tutorial comprised lectures on a variety of topics covering modern diagnostic and interventional radiology and included also mentored hands-on workshops in ultrasound CT and MRI. Traditionally, the tutorial aimed to radiologists from Russia and CIS country. In total, the two-week programme was attended by 14 participants.

The ESOR Astana Tutorial was organised by the National Research Cardiac Surgery Centre in Astana under the chairmanship of Dr. T. Dautov and supported by an unrestricted grant of Siemens Healthcare. For two weeks, 15 participants were offered practical and theoretical knowledge and the opportunity to be integrated in the activities of an academic department of radiology. The tutorial comprised lectures on a variety of topics, covering modern diagnostic and interventional radiology. Mentored hands-on workshops in ultrasound, CT and MRI were also included. The ESOR Astana Tutorial was aimed at radiologists from Central Asia, including Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.

The ESOR Graz Tutorial was organised by the Medical University Graz under the chairmanship of Prof. M. Fuchsjäger and supported by an unrestricted grant of Mallinckrodt. The aim of the tutorial was to further the experience of young radiologists, residents in their last year of training and board-certified radiologists, in daily radiological practice through intense teaching and exchange in a European reference centre. The participants, 6 Russian radiologists, were offered one week of practical and theoretical knowledge and the opportunity to be integrated in the activities of an academic department of radiology.



# ESMRMB

## School of MRI

With its motto 'Education in Partnership', the ESR's European School of Radiology (ESOR) has built up a network of quality assured European educational programmes, including a partnership with the School of MRI of the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), avoiding unnecessary competition and providing better educational opportunities within the radiological community. The ESMRMB School of MRI programme is targeted at physicians and technicians/radiographers and offers advanced clinical courses in the field of MRI. The courses offer the opportunity to enhance knowledge and to get prepared for the need of modern daily MR business. 50% of the total teaching time is used for repetition sessions in small groups in order to intensify the learning experience.

In 2014 eight School of MRI courses took place, with altogether 470 participants from 47 different countries.

Thanks to the continuing commitment of the organisers and speakers, the ESMRMB held 138 courses since the year 2000.

The cooperation between ESOR and the ESMRMB School of MRI has been of high value to both and is therefore being continued.

Course	Venue	Date	Participants
Advanced MR Imaging of the Abdomen	Malmö	April 23-25	59
Body Diffusion-weighted MR Imaging: From Theory to Practice	Valencia	April 24-26	56
Advanced MR Imaging of the Musculoskeletal System	Milan	June 12-14	63
Clinical fMRI & DTI - Theory and Practice	London	June 26-28	56
Advanced Neuro Imaging: Diffusion, Perfusion and Spectroscopy	Vilnius	October 16-18	49
Advanced Cardiac MR Imaging	Barcelona	October 23-25	74
Advanced Breast & Female Pelvis MR Imaging	Lisbon	October 30-November 1	64
Advanced Head & Neck MR Imaging	Zagreb	November 13-15	49





## FURTHER ACTIVITIES

### ONLINE COURSES

The ESOR Online Courses have the goal to offer radiologists high-quality teaching from home. In these courses, e-learning content in the form of recorded lectures with presentation material is provided. 5 ESOR GALEN Foundation courses on the topics abdominal, chest/cardiovascular, paediatric, oncologic and breast radiology were offered during the year 2014. Access to all ESOR Online Courses could be purchased for a simple fee: EUR 10,- (for ESR members) or EUR 20,- (for non-members), granting access to the courses for 4 weeks. More than 370 persons accessed the courses in 2014.

### CONTRIBUTION TO ESR EDUCATION ON DEMAND/WEBINARS

In 2014, 8 ESOR Courses for EDiR were recorded, each consisting of 8 webinars (20 minutes lectures plus 2 cases) and rounded off by a self-assessment test, forming one e-learning module. Altogether, 64 online webinars were recorded and will be included in the ESR Education on Demand platform, which will be launched in March 2015. The relevant topics are: Breast Imaging, Musculoskeletal Radiology, Chest Imaging, Abdominal Imaging, Paediatric Radiology, Cardiac Imaging, Neuroradiology and Head and Neck Radiology.



# VISITING SCHOLARSHIP PROGRAMMES EXCHANGE PROGRAMMES FOR FELLOWSHIPS

## VISITING SCHOLARSHIP PROGRAMMES

Over the last eight years more than 1250 residents have applied for the ESOR Visiting Scholarship Programme, which emphasises the appeal of this rewarding programme among residents. In 2014 37 places were available in Europe with the support of Bracco, the ESR and the Spanish Foundation of Radiology.

Additionally, the Memorial Sloan-Kettering Cancer Center (MSKCC) in New York and the Case Western Reserve University in Cleveland have continued to support four scholars from Europe by offering an intense training course. Furthermore, one Chinese radiologist again had the opportunity to complete a three-month intense training course in the UK, thanks to a grant supported by Jo Li Trust.

In total more than 286 residents have applied for the various programmes.

## EXCHANGE PROGRAMMES FOR FELLOWSHIPS

In partnership with the European subspecialty societies, 28 junior radiologists had the possibility to pass modular training in their chosen subspecialty. The programmes included abdominal radiology (ESGAR - seven trainees), breast radiology (EUSOBI - three trainees), cardiac radiology (ESCR - two trainees), head and neck radiology (ESHNR - three trainees), musculoskeletal radiology (ESSR - two trainees), neuroradiology (ESNR - five trainees), paediatric radiology (ESPR - three trainees) and thoracic radiology (ESTI - three trainees). In total over 97 young radiologists applied for the various topics.

These exchange programmes for fellows, which last for only three months, are considered instrumental to the creation of proper, longer term subspecialty fellowships in radiology throughout Europe, which are structured around training and mentoring.

Additionally, the Memorial Sloan-Kettering Cancer Center (MSKCC) in New York supported two fellows by offering a six-month training programme on breast imaging.

To that end a special word of thanks is due to the highly esteemed academic training centres and tutors, who have supported ESOR's endeavours.

## VISITING SCHOLARSHIP PROGRAMMES

### *My experience*



**Alireza Abrishami**

Imam Khomeini Hospital Complex, Tehran University of Medical Sciences, Tehran/Islamic Republic of Iran

Topic: Abdominal Imaging

Training Centre: Heidelberg University Medical Center and German Cancer Research Center, Heidelberg/Germany

My ESOR Visiting Scholarship Programme in Diagnostic and Interventional Radiology (DIR), at University of Heidelberg, Germany and German Cancer Research Center (DKFZ) was an outstanding and wonderful experience. It gave me the unique opportunity to improve my knowledge and abilities in abdominal imaging and interventional radiology in one of the highly qualified and state-of-the-art centers. During these three months I had the possibility to attend several multidisciplinary meetings and workshops. Being in several different hospitals and centers gave me the possibility to improve all aspects of my abdominal and interventional imaging knowledge. Furthermore, I had the pleasure to attend a research project on spleen lesions which was very instructional and will have a strong positive impact on my future clinical practice. This project was in cooperation with DIR and the Institute of Pathology, University of Heidelberg under the supervision of Prof. Dr. Lars Grenacher, Head of Abdominal Imaging. For this privilege, I would like to express my heartfelt thanks to my tutor Prof. L. Grenacher for his invested time and experience to teach me, it has been an honour for me. At this point, I would also like to take the opportunity to thank Prof. Hans-Ulrich Kauczor, Prof. Heinz Peter Schlemmer, Prof. Lars Grenacher, Prof. Boris Radeleff, Prof. Gerd Nöldge and all other radiologists and residents for their hospitality and assistance they have provided during my stay in Heidelberg. I am really grateful to ESOR for giving me this major opportunity to expand and enrich my knowledge. This was and will be one of the most unforgettable experiences of my academic career.



**María Cruz Ageitos Casais**

Hospital Universitario de Santiago de Compostela/Spain

Topic: Abdominal Radiology

Training Centre: University Hospital Maastricht/Netherlands

Thanks to the ESOR Visiting Scholarship Programme I have had the opportunity to spend three months in the Abdominal Imaging Department at University Hospital Maastricht. I was able to review a variety of cases with a special focus on oncologic imaging, as well as participate in extremely interesting multidisciplinary meetings twice a week. The abdominal team also provided me with an extensive teaching file that helped me broaden my knowledge in the field. In combination with this clinical approach, my tutor Professor Beets-Tan gave me the opportunity to get involved in some interesting research projects in the area of rectal cancer, encouraging me to improve my research skills. I would like to thank Professor Beets-Tan and all their colleagues for their warm welcome and their willingness to share their knowledge. I am very grateful to the ESOR and the Spanish Foundation of Radiology for making this great experience possible that certainly will make an impact in my professional career.



**Simone Altobelli**

Policlinico Tor Vergata, Rome/Italy

Topic: Neuroradiology

Training Centre: Addenbrooke's Hospital, Cambridge/United Kingdom

I am grateful to have received the opportunity to spend the three months of the ESOR scholarship at the Addenbrooke's University Hospital of Cambridge. I was given the opportunity to be involved in the daily clinical and research activity in Neuroradiology. As a leading site, this center is equipped with the newest technologies such as high field MR and MRI hyperpolariser. Teaching opportunities, multidisciplinary and research meetings were provided on a daily basis. Prof. J. Gillard and the rest of the staff shared with me their knowledge every day discussing interesting cases on all Neuroimaging topics. As part of the training I was given the opportunity to increase my knowledge in Paediatric Neuroimaging and also in Neurointerventional Radiology. This experience allowed me to get to know another culture and different ways of approaching radiological studies.



**Andreas P. Arnoldi**

University of Munich LMU, Munich/Germany

Topic: Musculoskeletal Radiology

Training Centre: Guy's and St. Thomas' NHS Foundation Trust, London/United Kingdom

The ESOR Visiting Scholarship Programme gave me the unique opportunity of spending a three-month training period in the musculoskeletal section of the Department of Radiology at the Guy's and St Thomas' Hospitals in London, UK. Thanks to the great expertise of my supervisor Dr. Sanjay Vijayanathan and his colleagues Dr. Ami Desai, Dr. Russell Houghton and Dr. Ali Zavareh I could broaden my knowledge of musculoskeletal imaging in matters of musculoskeletal MRI, musculoskeletal ultrasound, CT- and ultrasound-guided interventions and SPECT-CT. I highly appreciate the excellent educational experience which was provided by the Department of Professor Vicky Goh and enabled by the European School and Society of Radiology.



**Dubravko Bajramovic**

University Hospital Centre Zagreb/Croatia

Topic: Musculoskeletal Imaging

Training Centre: Leiden University Medical Center, Leiden/Netherlands

After finishing my three-month musculoskeletal training programme at Leiden University Medical Center I can say without a doubt that this incredible experience will deeply influence my future work and career. Things I saw in Leiden opened up new horizons for me giving me an inspiration to apply the knowledge I've gained in my own work place. The level of excellence that is held here with special emphasis on education, tutoring and research is truly remarkable. My wish is to extend this experience by maintaining contact with all the professionals I met in Leiden, building a bridge of collaboration between our institutions. For all the people who are considering applying for this programme I offer my assurance that the training will surely fulfil all their expectations. I owe my sincere gratitude to ESOR for making this experience possible, my tutor Dr. Monique Reijnierse, Prof. Hans L. Bloem and all the LUMC employees for making me feel welcome and part of a team.



**John Oladapo Bamidele**

University of Ilorin Teaching Hospital, Ilorin/Nigeria

Topic: Musculoskeletal Radiology

Training Centre: Innsbruck Medical University, Innsbruck/Austria

I am very grateful to ESOR/ESR, for the exceptional opportunity to study musculoskeletal radiology at the Medical University of Innsbruck, Austria. This has been the highlight of my career and professional experiences. It was an enriching experience which completely surpassed my expectations and significantly improved my knowledge in the field of musculoskeletal radiology primarily due to the devotion of my tutor PD Dr. Andrea Klauser, an outstanding radiologist/researcher and also the titanic support of the head of department Prof. Werner Jaschke. During the training, I had the opportunity to participate in clinical, educational and scientific work. I participated in different aspects of MSK radiology especially in its interventional aspects. I learned a lot of techniques that are not applied in my home country and the research experience was especially valuable, giving me the hope of developing many projects going back to Nigeria. I strongly encourage other trainees to apply for this life changing experience offered by ESOR scholarships and also wish that more opportunities will be provided for trainees all around the world. Special thanks to Almighty God and also to my wife (Dr. Adetokunboh Bamidele) for being the best always.



**Silvia Bernardo**

Policlinico Umberto I - Sapienza Università di Roma, Rome/Italy

Topic: Paediatric Radiology

Training Centre: King's College Hospital Foundation Trust, London/United Kingdom

I would like to thank ESOR for the opportunity I was recently offered to work alongside experts in the field of paediatric radiology, particularly Drs. Sellars, Deganello, Haque and Professor Sidhu. The environment was not only stimulating but was inspiring as well, walking the halls of one of the largest liver transplant centers in Europe. I was included in all resident training sessions and in department related activities such as x-ray, ultrasound, CT, and MRI. What was of particular interest was paediatric contrast enhanced ultrasound (CEUS), a technique that is seldom performed in Italy on paediatric patients. The ESOR scholarship has been a rewarding experience, one that I would recommend to every resident.



**Chandra Bortolotto**

Fondazione IRCCS Policlinico San Matteo, Pavia/Italy

Topic: Chest Radiology

Training Centre: Hôpital Calmette - University Center of Lille/France

I am very grateful for the opportunity ESOR gave me to spend three months in Lille at the Radiology Department of the Hopital Calmette headed by Prof. Martine Remy-Jardin. I was welcomed by residents and senior radiologists in a friendly and very young environment which rapidly made me forget the problems related to linguistic barriers. These three months proved to be necessary to start understanding all the incredible technical improvements employed at the Calmette hospital. Finally, I consider myself lucky for having had the chance to absorb a little of the vast knowledge Madame and Monsieur Remy disseminate among young radiologists and residents.



**Teodora Buzan**

County Emergency University Hospital, Cluj-Napoca/Romania

Topic: Chest Radiology

Training Centre: Guy's and St. Thomas' NHS Foundation Trust, London/United Kingdom

I have had the chance to spend a three-month training period at Guy's and St. Thomas' (GSTT) Hospital, a highly esteemed academic centre, and it was one of the best professional experiences I have had so far. The ESOR visiting scholarship completely fulfilled my expectations by giving me the opportunity to significantly improve my knowledge in the field of Chest Radiology. I was able to participate in a structured modular training and get involved in all activities of the department including case reporting, teaching sessions, as well as attending multidisciplinary and research meetings. This allowed me to see a vast spectrum of cases both in cardiac and lung disease. The teaching was at the highest standards. It was great to have Dr. Preston and Dr. Nair as my tutors. I strongly recommend and encourage other trainees to apply for an ESOR scholarship. I am really grateful to ESOR and GSTT for this excellent educational experience.



**Alessandro Campari**

Ospedale S. Paolo, Università degli Studi di Milano, Milan/Italy

Topic: Abdominal Radiology

Training Centre: Guy's and St. Thomas' NHS Foundation Trust, London/United Kingdom

I spent three wonderful months in London at the radiology department of Guy's and St. Thomas' NHS Foundation Trust. During my ESOR scholarship on abdominal imaging I had the pleasure to work with colleagues from other countries, being actively involved in multimodality reporting and in all activities within the department, including multidisciplinary meetings and resident training sessions. Furthermore, I had the opportunity to take part in a new research project on my topic. I am very grateful to my tutor Dr. Sofia Gourtsoyianni, Dr. Nyree Griffin, Prof. Vicky Goh and the highly qualified staff of the radiology department who warmly welcomed me and trained me on my topic and beyond.



**Dan Costăchescu**

Timis County Hospital, Timisoara/Romania

Topic: Musculoskeletal Imaging

Training Centre: The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham/United Kingdom

I am very grateful to ESOR and ESR for awarding me this three-month scholarship in musculoskeletal imaging at the radiology department of The Royal Orthopaedic Hospital in Birmingham, UK. It has been an exceptional educational opportunity to be part of the radiology team at one of Europe's most renowned orthopaedic hospitals, with a special interest in soft tissue sarcomas. I hereby thank my tutor Dr. H. Douis and his colleagues Dr. A.M. Davies and Dr. R. Botchu for sharing with me their medical and radiological knowledge. The training was very well-structured, with sessions of plain film reporting, ultrasound, CT, MRI, interventional radiology alongside the multidisciplinary team meetings. I highly recommend this training programme to anyone who wants to improve their academic, clinical and research knowledge in radiology.



**Lara Cristiano**

Ospedale Sant'Andrea, Università di Medicina e Psicologia "La Sapienza", Rome/Italy

Topic: Musculoskeletal Radiology

Training Centre: Pitié Salpêtrière Hospital, Paris/France

It was a huge honour and privilege to spend three months of my visiting scholarship in the musculoskeletal radiology department of the "Hôpital Universitaire Pitié Salpêtrière" in Paris. During this period I had the opportunity to observe all areas of musculoskeletal imaging pathology, with special focus on sports injuries, to which "La Pitié Salpêtrière" Hospital is a reference center and I was also able to attend all the radiology and multidisciplinary meetings and courses which took place in the department. It was an excellent educational experience and I am really grateful to my tutor, Dr. Guillaume Mercy - a highly qualified musculoskeletal radiologist and an excellent lecturer, for providing me with a very high level of teaching and training. I would also like to express my gratitude to the head of department, Pr. Philippe Grenier for welcoming me in his department and all the musculoskeletal radiology staff including Dr. Audry Masseur and of course Dr. Jean-Louis Brasseur for sharing his passion and massive knowledge with me, making me feel deeply enriched in my understanding of musculoskeletal imaging day by day. At last I would like to thank ESR/ESOR for making this wonderful experience possible. Undoubtedly, this has been one of the most nourishing experiences of my academic career.



**Kristina Davidovic**

Clinical Center of Serbia, Belgrade/Serbia

Topic: Abdominal Radiology

Training Centre: Hospital Vall d'Hebron, Barcelona/Spain

I had the great opportunity to spend three months at Val d'Hebron University Hospital in Barcelona and I certainly believe that this was the most valuable professional experience I have ever had so far. During my internship Prof. Serres, Prof. Merino and Prof. Escudero gave their best to dedicate most of their time in order to provide me all the advanced knowledge I was willing to accept. Attending morning meetings, following all the procedures and examinations, discussing all the interesting cases and reading new discoveries of the daily topics provided me with insights in the most interesting parts of radiology. I shall never forget the devotion of my mentors who put all their efforts in supplying me with the knowledge that will be valuable for me throughout my whole professional lifetime. This experience changed my professional path and after returning to my home institution, my superiors recognised the potential for expanding our interest area. I want to express my gratitude to ESOR for putting effort in promoting radiology among young radiologist in training and my hosts for encouraging my career.



**Arianna D'Errico**

AOU "Federico II", Napoli/Italy

Topic: Neuroradiology

Training Centre: Innsbruck Medical University, Innsbruck/Austria

Spending three months as a scholar in the frame of the ESOR Visiting Scholarship Programme at the neuroradiology department of Innsbruck Medical University was the best experience I have ever had. I am very grateful to my tutor Dr. Astrid Grams and all her staff for giving me the wonderful opportunity to expand my theoretical knowledge and practical skills in the field of neuroradiology imaging and for taking care of me in every aspect of life. I would like to thank Dr. Florian Dazinger who was always willing to answer my questions and shared his knowledge and professional experience with me day by day. During my stay at the neuroradiology department I was immediately involved in all kinds of multidisciplinary meetings with clinicians and surgeons. I had the opportunity to follow the patients from diagnostic imaging, through endovascular treatment, to the follow up. I am sure this experience will significantly influence my future choices and my work. It has been a real privilege to have this important experience in such a highly qualified center.





**Diana Sorina Feier**

Emergency County Hospital, Cluj-Napoca/Romania

Topic: Oncologic Imaging

Training Centre: Memorial Sloan-Kettering Cancer Center, New York/USA

I am very grateful to ESOR and Memorial Sloan-Kettering Hospital, New York, USA for awarding me this three-month scholarship in oncologic imaging. It has been a privilege and an excellent educational opportunity to work with my tutors, Prof. Dr. Hedvig Hricak and Prof. Dr. David Panicek. This three-month radiology training experience was full of a wide range of valuable educational events, including practical essential radiology and research updates relevant to every radiology fellow. With the help of the radiology department I was able to participate in a structured modular training in oncologic imaging. I had the opportunity to follow and participate in the core knowledge training programme through tutorials, followed by routine clinical cases and modality techniques and protocols, utilizing imaging advances offered in US, CT and MRI. With no direct patient care responsibilities, I was able to observe clinical activities and participate in a research project, under the great supervision of Dr. Evis Sala and Dr. Yulia Lakhman, to whom I am extremely grateful. I attended radiology and multi-disciplinary conferences offered in the department during the training period. I also had the opportunity to discover a wonderful city with wonderful people to which I would gladly come back any time. As the result of learning and consultation undertaken over these three months, I was able to address significant methodological and theoretical problems presented in my research proposals and to some extent change the focus and direction of my studies. This scholarship provided me with an excellent educational and social experience which I greatly appreciate.



**Armando Fusco**

Policlinico Tor Vergata, Rome/Italy

Topic: Chest Imaging

Training Centre: Harefield Hospital, London/United Kingdom

I very much appreciate the possibility the ESOR programme gave me to spend three months of my training at the Harefield Hospital of London. Thank you to my tutor Dr. Paras Dalal who introduced me to his lung cancer team and followed me during the three months of my stay in the department. With them I acquired skills in diagnosis and percutaneous treatment of lung cancer as well as in a wide range of lung diseases. I was very happy to join several multidisciplinary meetings that were organized in the hospital during the week, a great moment to learn more about cardio-thoracic surgery (in particular about heart and lung transplants), cardiology and cardiac imaging. It was a great professional and life experience and I suggest everyone to apply for the ESOR scholarship programme.



**Matthias Gawlitza**

University Hospital - Leipzig University, Leipzig/Germany

Topic: Neuroradiology

Training Centre: CHU Toulouse – Hôpital Purpan, Toulouse/France

I am very grateful that I was given the chance to spend three months in the department of Neuroradiology at Hôpital Purpan/Toulouse. This hospital is one of France's leading centres in Neuroradiology with many invasive diagnostic and therapeutic procedures performed every day and it was an immense privilege for me to be immediately treated like a "normal" resident in all kinds of these activities. I was cordially received by Professor Cognard and his wonderful staff consisting of physicians, radiographers and nurses who always gave me the feeling to be part of their team. Above all I would like to thank my tutors Prof. Cognard, Prof. Bonneville, Dr. Januel and Dr. Tall for sharing their knowledge with me every day and for making this scholarship an unforgettable experience, which will certainly have a profound influence on my future career path. Merci beaucoup!



**Ulrich Grosse**

University Hospital Tübingen/Germany

Topic: Musculoskeletal Radiology

Training Centre: Case Western Reserve University, Cleveland/USA

The ESOR visiting scholarship at the Department of Radiology (University Hospitals Case Medical Center) in Cleveland, Ohio was an exceptional opportunity for me to expand my knowledge in musculoskeletal radiology. From the beginning I felt warmly welcomed by all members of staff including attendings and residents. During the three months I attended twice daily multidisciplinary meetings, educational lectures and learned markedly from a large number of studies reviewed on a daily basis in the musculoskeletal reading room. Furthermore, I was given the opportunity to attend clinical work in various sections of the department. In that way I was exposed to a variety of different modalities (CT, MRI, ultrasound) including hybrid imaging technologies (PET-CT and PET-MRI). I became part of a stimulating musculoskeletal research cooperation with different endeavours in the fields of advanced magnetic resonance imaging and sarcoma imaging (in this context many thanks to Dr. Sasan Partovi). I am particularly grateful for this unique opportunity to the European School of Radiology (ESOR) and Professor Nicholas Gourtsoyiannis, Professor Dr. Nikolaou, Dr. Mark R. Robbin as well as Professor Dr. Pablo R. Ros. Additionally, I would like to thank my attending mentors in musculoskeletal radiology Dr. Mark R. Robbin, Dr. Peter C. Young and Dr. Christos Kosmas for sharing their unique knowledge with me.



**Francesca Iacobellis**

"I Policlinico", Second University of Naples/Italy

Topic: Breast Imaging

Training Centre: Case Western Reserve University, Cleveland/USA

The ESOR scholarship in the Breast Imaging Department of the University Hospitals of Cleveland Case Western Reserve University was the best professional experience I have ever had. ESOR gave me the opportunity to improve my knowledge in breast imaging while attending one of the best hospitals in the United States for three months. While there, I participated in all the teaching and clinical activities of the department (2D-3D mammography, ultrasound, MRI, stereotactic, US and MRI biopsies, and preoperative needle localizations) and had the chance to meet some of the best doctors in the United States. It was not only a "work experience" but mostly a "life experience": I met beautiful people, highly qualified physicians who were happy to share their knowledge and very friendly colleagues who made my stay in Cleveland really enjoyable. I am really grateful to the Chairman of the UH Radiology Department Dr. Pablo Ros, to Dr. Borut Marinček - one of the founders of the ESOR Visiting Scholarship Programme - and to the main director of the ESOR programme Dr. Nicholas Gourtsoyiannis for giving the European radiology residents this chance. I would like to sincerely thank my tutor Dr. Donna Plecha - Director of the Breast Imaging Department -, Dr. Anne Coffey, Dr. Nina Klein, Dr. Holly Marshall, Dr. Ra-mya Pham, Dr. Niki Constantinou and the two fellows Dr. Nelly Salem and Dr. Bonnie Ahn who welcomed me in a very warm manner and taught me with enthusiasm and all the residents with whom I had a lot of fun!



**Dinara Jumadilova**

National Research Cardiac Surgery Center, Astana/Kazakhstan

Topic: Neuroradiology

Training Centre: Centre Hospitalier Sainte Anne, Paris/France

Simply put, it was unique to participate in the ESOR Visiting Scholarship Programme. The training at the Centre Hospitalier Sainte Anne allowed me to learn about the French system of radiological education and practice. More importantly, I expanded my knowledge of neuroscience and brain imaging, both conventional and functional applied up-to-date. The hospitality of the staff facilitated my learning process despite the language difficulties I had at the beginning. Besides the training itself, I also benefited from attending two congresses, the Journées Françaises de Radiologie and ESCR 2014 Cardiac Imaging, along with educational seminars on neuroradiology given to interns and radiologists who came from different regions of France. For their enormous help and support in all aspects of my stay I want to express special thanks to Prof. Meder and Prof. Oppenheim. Overall, it was an exceptional experience to be trained at this healthcare setting.



**Pia M. Jungmann**

Klinikum rechts der Isar, Technische Universitaet Muenchen, Munich/ Germany

Topic: Musculoskeletal Radiology

Training Centre: King's College Hospital Foundation Trust, London/United Kingdom

Thanks to the ESOR scholarship programme, I spent three months training in musculoskeletal radiology at King's College London under the supervision of Dr. David Elias. All doctors and other staff were very welcoming. I was able to assess ultrasound clinics and to perform MSK ultrasound myself. I learned how to write structured MRI reports in English, to assist with interventions and I attended various conferences. All single parts of the scholarship increased my knowledge enormously. Experiencing the „everyday life“ in a hospital abroad made me aware of differences in clinical organisation, duties and responsibilities, treatment strategies and attitudes towards patients. I would like to thank Dr. David Elias for his outstanding teaching, Prof. Dr. Ernst J. Rummeny (Munich) and ESOR for the unique opportunity of training and specialising in MSK.



**Zhang Kai**

Qilu Hospital of Shandong University, Shandong/China

Topic: Interventional Radiology

Training Centre: Heidelberg University Hospital, Heidelberg/Germany

In 2014 I fortunately took a training programme in the department of diagnostic and interventional radiology of Heidelberg University Hospital. The angio-team in Heidelberg is led by the famous interventional radiologist Boris Radeleff. His team has really done great clinical and research work, which impressed me deeply. From the point of view of clinical application, they showed me various kinds of procedures, some of which were so innovative and difficult as I had never seen before, such as TIPPS shunt reduction technique, fantastic utilization of histoacryl to embolize various kinds of lesions, chemosaturation to treat hepatic malignancy, embolization of endoleak caused by collateral arteries, utilization of flow diverter stent to treat splenic artery aneurysm, PTCO, ablation of different kinds of malignancies. The administration of DIR is efficient and reasonable. Everything moves smoothly. All the colleagues are kind and professional. This was a successful training in Heidelberg, which will be one of the most precious experiences of my life. What I have learned there will improve my daily work significantly. Thank you very much to the colleagues in Heidelberg.



**Soheil Kooraki**

Shariati Hospital, Tehran/Islamic Republic of Iran  
Topic: Neuroradiology  
Training Centre: University Hospital Freiburg/Germany

The ESOR scholarship was a wonderful opportunity to expand my knowledge and practical skills in Neuroradiology. From the beginning, I was welcomed by all staff in the friendly atmosphere of the neuroradiology department of Freiburg Universitätsklinikum. During three months, I was given the opportunity to be involved in all diagnostic and interventional procedures, to learn cutting-edge knowledge of neuroradiology practice, to train how to take advantage of neuroimaging protocols, to experience innovative techniques and to attend daily and weekly clinical-radiological conferences. Moreover, I had the possibility to participate in a research activity (for which I am very grateful to Dr. Meckel). And last but not least, this was an opportunity to experience the German culture and make great friends. I would like to express my highest gratitude to Professor Urbach and his team in Freiburg Neuroradiology Center (especially Dr. Demerath and Mrs. Lopez) who helped me a lot during my stay in Freiburg. This is just a beginning for me; however, this memorable and enriching experience will significantly improve my future clinical and research practice. Finally, my grateful acknowledgment goes to the ESOR team for providing me with this amazing chance.



**Xubin Li**

Tianjin Medical University Cancer Institute & Hospital, Tianjin/China  
Topic: Oncologic Imaging  
Training Centre: University Hospital Maastricht/Netherlands

From April 1st to June 29th, 2014 I attended a three-month training sponsored by the ESOR at Maastricht University Medical Center in the Netherlands under the guidance of Prof. Regina Beets-Tan. During the training period, apart from clinical observation, I also focused on the researches about MRI of rectal cancer including imaging, staging and restaging of rectal cancer. Not only have I gained knowledge in how a multidisciplinary management can be organized in a career center to optimally serve patients with cancer but also will I have scientific output and authorships as a result of the research projects I was involved in. This training has thus been highly effective for my professional career.



**Ulrike Löbel**

University Medical Center Hamburg-Eppendorf, Hamburg/Germany  
Topic: Neuroradiology  
Training Centre: G. Gaslini Children's Hospital, Genoa/Italy

I am very grateful to the ESOR for offering the ESOR scholarship programme, which is unique in its design. In contrast to many other scholarships, it allows residents and fellows to focus on improving their clinical skills in a sub-specialty of radiology at excellent European centres. I consider myself blessed with the opportunity to complete my training at Ospedale "Giannina Gaslini" in Genoa/Italy. The hospital is one of the limited number of institutions in Europe dedicated to the treatment of children. The team of the department of neuroradiology lead by Professor Andrea Rossi and including Mariasavina Severino, Giovanni Morana, Carlo Gandolfo, Gabriella D'Apolito and the technicians made me feel very welcome. I am very grateful to all of them for taking their precious time for teaching and for patiently answering all of my questions. At Gaslini, children from all parts of Italy are being treated. Therefore, we discussed a variety of diseases, some of which I had previously only seen in text books. In addition, the length of the training also offers the unique possibility to see how treatment decisions are initially made in collaboration with the clinicians and observe the outcome of the patients on follow-up. I am also very grateful to Andrea Rossi that I was given the opportunity to participate in the revision of the standard textbook "Pediatric Neuroradiology", initiated by the previous head of the Department of Neuroradiology, Professor Tortorici-Donati. During my three months in Genoa, I was able to study the supratentorial brain tumours in great detail, research current literature and evaluate the tumours from the neuroradiological "museum". My time at Gaslini was a very unique experience, which helped me grow professionally. But also, I have made new friends for life and I am very thankful to all of them.



**Hardi Madani**

Royal Free Hospital, London/United Kingdom  
Topic: Musculoskeletal Radiology  
Training Centre: UZ Brussels/Belgium

I am very grateful to the ESR/ESOR for awarding me the musculoskeletal scholarship. I was based in the Department of Radiology at University of Brussels (Universitair Ziekenhuis). From the outset I found the experience to be an extremely rewarding educational opportunity. I want to thank all the department staff including Prof. De Mey, the head of department, for being so helpful. The three months of intense musculoskeletal training were an invaluable experience; allowing me to focus in depth, on an area of radiology that interests me and to learn from experts in their field in a new and diverse practice environment. Thanks to my tutor, Prof De Maeseneers' encouragement, it also provided a great opportunity to participate in musculoskeletal anatomy research and assist in the publication of peer review articles. I would like to thank my consultants, Prof. Shahabpour, Dr. Boulet, Dr. Kichouch and Dr. Nieboer and in particular my special thanks to Prof De Maeseneer for being so generous with their time, discussing the many interesting cases, answering the myriad of questions and parting with their invaluable knowledge and advice.



**Xiaonan Mao**

Shengjing Hospital of China Medical University, Shenyang/China  
Topic: Abdominal Radiology  
Training Centre: Ludwig-Maximilians University of Munich/Germany

I was so lucky to be one of the members who were granted the 2014 ESOR visiting scholarships sponsored by ESR, which offered me an opportunity to get the best training in the department of radiology at the University Hospitals Campus of Ludwig-Maximilians-University in Munich. I am so thankful every time I recall these wonderful three months I spent in Munich with so many incredible people. Ms. Ines Berger (secretary of ESR) and Ms. Garofil (secretary of the department) did all the works in booking the flight and the accommodation. Professor Reiser, the chairman of the department, welcomed me as a family member and arranged all the training details for me. Dr. Trumm and Dr. Tobias, my tutors during the three months, were erudite academically and technically very skillful. They didn't only perform several interventional procedures I had never seen before, but also showed the brand new comprehension on diseases. Dr. Crammer and Dr. Graser also helped me a lot. I have to say "Thanks" to all the people I mentioned above, the training couldn't have been more successful without their generous help. I have to say "Thanks" to ESR, I could not have had such a perfect experience and memory without the support of ESR. Thanks!



**Herman Paulo Marquez Masquiaran**

Hospital de la Santa Creu i Sant Pau, Barcelona/Spain  
Topic: Abdominal Radiology  
Training Centre: University Hospital Zurich/Switzerland

I have had the privilege of spending three months at the University Hospital in Zürich, after I have been honoured with an ESOR visiting scholarship in abdominal imaging at this institution. First of all I would like to acknowledge the whole team of the Institute of Diagnostic and Interventional Radiology for their support and kindness. I want to specially acknowledge my tutor Dr. Alkadhi for his constant support, and also Dr. Andreisek and Dr. Reiner for their help and patience. I was given the great opportunity of increasing my knowledge about abdominal imaging by participating in several activities of the Institute, such as lectures and clinical meetings but most of all by the chance of daily observation of their clinical work. Especially important for me was my rotation at the MRI department. I also had the chance to get involved in a number of research projects. In this area, I would like to acknowledge Dr. Val Rouge for giving me the opportunity to be a part in one of his projects. This has been a memorable professional and personal experience, for which I am really grateful to the ESOR and the University Hospital of Zürich.



**Aurelian Costin Minoiu**

Coltea Clinical Hospital, Bucharest/Romania

Topic: Cardiac Imaging

Training Centre: Policlinico Universitario 'Agostino Gemelli', Rome/Italy

I had the great chance to be accepted for the ESOR Visiting Scholarship Programme in Cardiac Imaging at Policlinico Universitario "Agostino Gemelli" in Rome. I would like to express my gratitude to Prof. Bonomo, who welcomed me warmly in his department, where I felt like home. The three months spent there were a unique opportunity to improve my theoretical knowledge and practical skills in the field of cardiac imaging. The highly qualified staff and its state-of-the-art equipment provided an excellent setting for getting the most of my stay. I was actively involved in the routine work of the department, I attended courses, multidisciplinary meetings and was granted access to all resources in the department. I was fortunate to have wonderful teachers, ready to share their knowledge and experience with me. Special thanks to my tutor Dr. Marano and the group of cardiac imaging: Prof. Merlino, Dr. Meduri and Dr. Savino. This scholarship was an excellent educational experience which I greatly appreciate and also a great life experience, being able to be in contact with a different mentality and healthcare system. An ESOR experience is a must for all radiology residents.



**Eliska Mlynarova**

University Hospital Motol, Prague/Czech Republic

Topic: Paediatric Radiology

Training Centre: Guy's and St. Thomas's Hospital, London/United Kingdom

Between September and November I could benefit from being at a department, which has a large variety of children patients, fully specialised paediatric imaging staff and a child-friendly environment. During my stay I could spend time with all five paediatric radiology consultants, which multiplied my gain as I could pick up tips and tricks from each of them. It was inspiring to work with people who enjoy their work and are willing to share their knowledge even on very busy days. What I value the most is the systematic approach in image review that I have been taught here. I also appreciate that by asking me questions and inquiring about my opinion the consultants helped my experience to get closer to real work I am going to face when I come back to my department. In addition the hospital has a significant number of trainees and during my stay I could benefit from an organised teaching programme.



**Ana Nicolescu Veselu**

Institutul Clinic Fundeni, Bucharest/Romania

Topic: Abdominal Radiology

Training Centre: King's College Hospital Foundation Trust, London/United Kingdom

My training in the radiology department at King's College Hospital, London was a memorable experience and a great opportunity to acquire new skills and to enrich my knowledge in my field of interest, abdominal imaging. During my scholarship I was honoured to be part of a prestigious team in an academic centre for three months. I could actively participate in weekly multidisciplinary meetings and teaching sessions and I was welcomed to get involved in daily practice (diagnostics and interventional procedures). I would like to express my gratitude to my tutors Prof. John Karani, Dr. Pauline Kane, Dr. Praveen Peddu, Dr. Dylan Lewis for their professionalism and this incredible learning experience. I would also like to thank my colleagues and all the department's staff for creating a friendly environment during my stay, as well as the ESOR team for awarding me with this scholarship.





**Gang Niu**

The First Affiliated Hospital of Medical School Xi'an Jiaotong University, Xi'an/China  
Topic: Interventional and Thoracic Radiology  
Training Centre: University Erasmus Medical Center, Rotterdam/Netherlands

I feel honoured to have received ESOR's funding to study at the department of radiology of the University Erasmus Medical Center in the Netherlands. During the training course there, I, at first, learned about interventional and cardiovascular radiology through reading films and participating in the clinical discussions. I also got acquainted with many excellent cases of puncturing and therapies guided on CT and US, which have improved my professional experience. Secondly, I participated in the base experiment of 7.0T MRI for the first time and gained some basic knowledge of molecular imaging. Thirdly, through various kinds of communicating activities, I have gained a lot of experience of radiation management, mainly on inspection specification, quality control, safety and radiation protection etc. In short, my scholarship has enriched my professional experience.



**Slobodanka Pena Karan**

Institute for Pulmonary Diseases of Vojvodina, Sremska Kamenica/Serbia  
Topic: Chest Radiology  
Training Centre: Heidelberg University Medical Center and German Cancer Research Center, Heidelberg/Germany

The ESOR visiting scholarship gave me the unique opportunity to be trained in such a respected and acknowledged center as is the Thoraxklinik in Heidelberg, Germany, under the supervision of Prof. C.P. Heußel, my tutor and Prof. H.U. Kauczor, head of department. This was a great educational experience and the best thing that happened to my professional carrier so far. During these three months I had the privilege to be a part of an excellent radiology team, I was fully involved in all activities of the department, including case reporting, attendance of multidisciplinary meetings, educational lectures and teaching courses. Thanks to Prof. C.P. Heußel I met a few colleagues from the German Cancer Research Center which resulted in small research in DWI MRI of the lungs, which was my primary field of interest. I would also like to thank all department members who were very helpful and made my stay so pleasant. I am more than grateful to ESOR and ESR for giving me this opportunity, which will definitely have an influence on my future carrier and make me a better radiologist.



**Katarzyna Pospieszny**

S.Szyszkowski Public Clinical Hospital Nr. 1, Zabrze/Poland  
Topic: Neuroradiology  
Training Centre: Chu De Montpellier - Gui De Chauliac, Montpellier/France

The ESOR Visiting Scholarship Programme gave me a great opportunity to attend a training programme in the neuroradiology department at Clinical Hospital Gui de Chauliac in Montpellier, France. I was very warmly welcomed by Prof. Alain Bonafe and his team. I have been participating in a very intense three-month course that showed me what the actual possibilities in paediatric neuroimaging are, especially in MRI. Having had a chance to get better in this very specific field of radiology I can appreciate an amazing cooperation between radiologists and paediatricians that is provided in the hospital between both departments. Being under the supervision of my tutor Dr. Nicolas Leboucq I could also easily engage in scientific projects and focus on things that I'm interested in. Having this very new perspective, soon it has become clearer to me what my future steps should be. This is a milestone in my radiological career.



**Nicola Lindsay Robertson**

The Royal Free Hospital, London/United Kingdom

Topic: Oncologic Imaging

Training Centre: Memorial Sloan-Kettering Cancer Center, New York/USA

I am exceptionally grateful to the ESOR for providing me with the opportunity to spend three months at Memorial Sloan Kettering Cancer Center. These months have undoubtedly been the highlight of my career thus far. I cannot thank Professor Hricak and Professor Panicek enough for being so welcoming, and tailoring the observational and research opportunities to suit to my individual career path. The clinical exposure has been invaluable. The multi-disciplinary team meetings are enormously educational, and the attendants have been fantastic, keen to teach at all times. Furthermore, I will leave MSKCC with numerous research papers for publication. I will be extremely sad when the scholarship comes to an end. A fantastic three months. Thank you.



**Francesco Ruschi**

Pisa University Hospital, Pisa/Italy

Topic: Emergency Radiology

Training Centre: Klinikum München Pasing & Perlach - KMPP, Munich/Germany

Attending the ESOR scholarship programme really opened my mind, giving me new perspectives in reporting clinical cases, approaches to interventional procedures and combining clinical to research activities. I would like to express my sincere gratitude to Dr. Linsenmaier, my tutor, who scheduled my training programme based on my real needs, giving me the opportunity to rotate between three different hospitals: Klinikum München West Pasing and Klinikum LMU Innenstadt and Großhadern. At Pasing I followed reporting sessions and interventional procedures at first hand. Furthermore I attended multidisciplinary meetings and I was involved in a research project. The atmosphere was very comfortable and I would like to thank all the attendings and residents who were very kind to me and who shared their knowledge and experience about many fields of Emergency Radiology (especially abdominal, thoracic and head CT and MRI of the stroke). At LMU Campus Innenstadt and Großhadern I followed state of the art lectures and focused on CT of polytrauma, perfusion CT of the stroke, "triple rule out" CT protocol, studying everyday some clinical cases, almost completely by myself (that is why I would suggest all those interested to be proficient in the local language, in order to take an "active part" in the radiological reporting). I am grateful to ESOR for this enriching experience which really changed my point of view about my profession!



**Rosa Severino**

"Federico II" University Hospital, Naples/Italy

Topic: Oncologic Imaging

Training Centre: Guy's and St. Thomas' NHS Foundation Trust, London/United Kingdom

The ESOR Visiting Scholarship Programme is a really great aspect of the ESR. It gives the opportunity to access the best departments of radiology and to improve knowledge in a particular field of interest. It is important during the training period to experience new ways of thinking and of doing in other countries and to try to develop a personal one. Thanks to the ESOR I could spend three months at the radiology department at Guy's & St Thomas' Hospitals NHS in London. It was awesome to attend the reporting sessions of my tutor, Prof. Goh, who has been so kind and patient to answer all my questions. I could learn about many aspects of radiology and also how to set up and develop research projects at very advanced levels. In addition I had the chance to live in a beautiful and exciting city for three months, to see and to do plenty of interesting things and in the end to build up both professional and personal skills.





**Georgios Stathis**

2<sup>nd</sup> Department of Radiology, Attikon University Hospital, Athens/Greece

Topic: Abdominal Radiology

Training Centre: Skåne University Hospital Malmö/Sweden

The ESOR Visiting Scholarship Programme gave me the opportunity to spend a unique three-month training period in abdominal imaging at Skåne University Hospital in Malmö. This scholarship was an excellent chance to broaden my knowledge and to further intensify my interest in the field of abdominal radiology. I was impressed by the level of organization of the radiology department as well as the combination of state-of-the-art technology and high quality professional knowledge provided. During my training period, I was involved in all the daily activities and also attended frequent clinical rounds, multidisciplinary meetings and training sessions which were particularly beneficial as learning resources. Arrangements were also made that enabled me to participate in the Swedish Gastrointestinal Radiology Course held in Crete as well as attend multidisciplinary meetings and interventional procedures in the University Hospital in Lund. I would like to thank all the members of the radiology department at Malmo University Hospital for their kindness and hospitality and especially the head of the department, Prof. Olle Ekberg and my tutor, Dr. Peter Leander, for making me feel welcome and for sharing their knowledge with me. Thanks to this education I improved my knowledge of abdominal imaging which I am sure will significantly influence my further work and my future choices. I am very grateful to ESOR and I would strongly encourage residents to apply for the ESOR Visiting Scholarship Programme as it is such a fulfilling experience both on a personal and professional level.



**Karin Sundström**

Sahlgrenska University Hospital, Gothenburg/Sweden

Topic: Emergency Radiology

Training Centre: AKH Linz/Austria

Through the ESOR Visiting Scholarship Programme I got the opportunity to spend three months at the radiology department at AKH Linz, Austria. The department produces several MRI examinations on a daily basis, including acute examinations in the evenings and during the weekends. So besides emergency radiology, I focused on neurological and abdominal MRI investigations. This suited me very well in regard to my radiological interest and where I stand in my resident learning status. It was a lot of self-studies, but I had helpful tutors who I could ask and discuss cases with at any time. I got to attend a workshop concerning MRI as first line imaging modality in acute stroke and also a three-day MRI course concerning the different MRI sequences. I found both events very instructive and overall I have been greatly pleased with my stay in Linz.



**Mathias Van Borsel**

Ghent University Hospital, Ghent/Belgium

Topic: Abdominal Imaging

Training Centre: University Hospitals of Leicester NHS Trust - Leicester General Hospital, Leicester/United Kingdom

I'm very grateful to the ESOR for making this unique training at the University Hospitals of Leicester possible. I expanded my theoretical and practical knowledge in abdominal imaging during the daily reading sessions with the consultants and registrars, as well as by discussing special cases, attending multidisciplinary meetings, teaching sessions and lectures and following procedures. It was also very enriching to experience and discuss the differences in health care and the management of a radiology department in another country. Further, I had the opportunity to attend the clinical governance meetings. From the beginning I was warmly welcomed by the consultants and registrars, who were very friendly and despite their busy schedules always made time to share their knowledge. Special thanks to Dr. A. Rajesh, Dr. R. Verma, Dr. M. Hoosein, Dr. K. Mulcahy and Dr. P. Rodgers, who I got to know not only as very dedicated tutors and consultants but also as warm and great personalities. I'll always remember the Indian cuisine, British humour/entertainment and the 200-cases-in-an-hour-training-session. Thanks for this wonderful experience!



**Jaime Verdugo**

Hospital Padre Hurtado - Clínica Alemana, Santiago/Chile

Topic: Abdominal Radiology

Training Centre: Hospital Clinic of Barcelona/Spain

The ESOR Visiting Scholarship Programme at the Hospital Clinic of Barcelona was an outstanding opportunity for me to expand my knowledge and experience in abdominal imaging. I was fully involved in all activities of the department including case reporting, reading sessions with other residents, as well as attending multidisciplinary meetings and educational lectures. I would like to thank all of the department's radiologists and technicians, especially the Professors Juan Ramón Ayuso, Mario Pages and Sonia Rodríguez, with whom I spent the most time and who shared their time and knowledge with me. I would like to thank too, all residents who received me as member of the team, they oriented and included me in daily activities and finally, I would like to particularly thank ESOR for giving me this unique opportunity at the beginning of my professional career, to work with professionals who are leading figures in this field. Not everything in life is work and this was a great opportunity to spend time with future colleagues in a less formal setting and to build friendships that I hope will last a long time. I would strongly encourage all radiology residents to take the chance to apply for such an unforgettable experience!



**Aistė Vidžiūnaitė**

Hospital of Lithuanian University of Health Sciences Kaunas Clinic, Kaunas/Lithuania

Topic: Neuroradiology

Training Centre: Policlinico Universitario "Agostino Gemelli", Rome/Italy

During my stay at Policlinico Universitario "Agostino Gemelli" I had the possibility to follow daily routine practices, to participate in a lot of interesting case discussions, to take part in teaching sessions and to attend high level weekly multidisciplinary meetings. I am very thankful to my tutor Dr. G. Di Lella who made me feel welcome, encouraged and mentored me during my stay in Rome. I benefited greatly from discussing interesting cases with my tutor and other radiologists, especially Dr. T. Tartaglione and I was amazed by their willingness to share their precious time and knowledge with me. I would like to express my gratitude to ESOR and Prof. L. Bonomo for this opportunity to be a part of this exciting and unique programme.



**Valeria Vinci**

Umberto I Hospital, Rome/Italy

Topic: Breast Imaging

Training Centre: King's College Hospital Foundation Trust, London/United Kingdom

ESOR gave me the wonderful opportunity to attend the breast department at King's College Hospital in London. On my first day I received a truly warm welcome from all the staff members. I worked with some of the most expert specialists in Europe, all of whom were happy to share their knowledge with me and tried their best to make me feel comfortable and to answer to my questions. I was involved in all their routine and their trust in my capacity allowed me to take part in many of their interventional procedures. I have seen and discussed thousands of breast related images, which helped me to build a very strong base of experience. I am confident in saying that this experience had a great positive influence on me, both humanly and professionally, therefore I would really like to thank ESOR for the opportunity and all the staff of the breast department at King's for all their incredible efforts. I would recommend this experience to everyone!



**Ya-Min Wan**

The First Affiliated Hospital of Zheng Zhou University, Zhengzhou/China

Topic: Abdominal Radiology

Training Centre: Policlinico G.B. Rossi, Verona/Italy

First of all, I am very grateful to the ESOR Committee for awarding me with a three-month scholarship at the Policlinico G.B. Rossi/University of Verona. This department is one of the most advanced in the field of pancreatic diseases. Prof. Roberto Pozzi Mucelli and his excellent colleagues created all necessary conditions for the most fruitful studies and shared their passion and massive knowledge with me, making me feel deeply enriched in my understanding of abdominal imaging day by day. During my stay there, I was given the opportunity to observe clinical work in various sections, attend regular tutorials and lessons, state-of-the-art lectures, weekly clinical conferences and disease management meetings for several subspecialties. The three months were one of the best I have had in my career so far. Thank you very much for this opportunity.



**Ning Xing**

PLA General Hospital, Beijing/China

Topic: Breast Imaging

Training Centre: Università Degli Studi Di Roma "La Sapienza", Rome/Italy

In these three months I was trained mainly in breast imaging, including mammography, ultrasound and MRI. Mammography and ultrasound have been used as a screening and diagnostic tool for the early detection of breast cancer. Mammography is sensitive to the fatty breast and microcalcification and ultrasound is more sensitive to the dense breast. MRI is the most sensitive in detecting breast lesions. The indications of breast MRI should be well controlled. The training helped me a lot in breast imaging, now I was able to complete the diagnosis of breast lesions independently.



**Jun Zhang**

Huashan Hospital, Fudan University, Shanghai/China

Topic: Neuroradiology

Training Centre: University Hospital Birmingham - Queen Elizabeth Medical Centre, Birmingham/United Kingdom

I am very grateful to ESR, ESOR and the Jo Li Trust for awarding me a three-month Visiting Scholarship Programme for Chinese Radiologists in the department of radiology at Queen Elizabeth Hospital Birmingham. It was an outstanding chance to expand my knowledge of neuroradiology for my professional career. From the very first day I was introduced to all the neuroradiology staff and the trainees and I had the opportunity to observe their activities in neuroimaging and neurointerventional sections. I would like to express my gratitude to Dr. Olliff and the rest of the staff who shared their knowledge and gave me the opportunity to participate in daily activities as well as in conferences, seminars, case discussions, lectures, multidisciplinary team meetings, grand rounds and clinical researches. It was wonderful to be part of a research project under the supervision of Dr. Sawlani and the research team. I participated in all the activities of the team, from screening diagnostic imaging, diagnostic biopsies and follow-up to advanced techniques such as MR perfusion, MR spectroscopy, DTI, and functional MRI. I am sure this cooperation with UK will significantly influence my future choices and my work. I would like to share my experiences with the other Chinese radiologists.

# EXCHANGE PROGRAMMES FOR FELLOWSHIPS

## *My experience*

### Exchange Programme for Abdominal Radiology Fellowship



**Bella Chamokova**

Federal Center of Medicine and Rehabilitation, Moscow/Russia

Topic: Abdominal Radiology

Training Centre: La Sapienza - Policlinico Umberto I, Rome/Italy

The ESOR Exchange Programme for Fellowships in Abdominal Radiology at the «La Sapienza» Hospital in Rome, Italy has allowed me to enhance my knowledge. The training programme was well-structured with a fast introduction to the hospital and abdominal team. During these three months I participated in all activities in the department. These included clinical, educational and scientific work. I was really encouraged and mentored by all members of the staff. My mentor, Franco lafrate, took a lot of care to fulfil my initial expectations and to focus on my learning objectives. I am very grateful to all members of the abdominal team for a warm welcome and for their willingness to teach and make my stay extremely enjoyable. This fellowship provided me with an excellent educational and social experience which I greatly appreciate. I would like to thank ESOR for this exceptional opportunity.



**Rajiv Bhuepndra Karia**

QMC, Nottingham/United Kingdom

Topic: Abdominal Radiology

Training Centre: European Institute of Oncology, Milan/Italy

I am very grateful to ESGAR and ESOR for the opportunity to participate in the fellowship programme at the European Institute of Oncology (IEO) in Milan. I was exposed to the experience and expertise of a highly specialised European centre. The consultants under the lead of Professor Bellomi all have a strong working ethos and coherent working pattern and I would like to particularly thank Dr. Funicelli with whom I have spent a considerable amount of time. I have actively participated in the daily activities including oncology CT reporting, CT and ultrasound guided biopsies, CT-colography and body MRI.



**Andrei Lebovici**

University of Medicine and Pharmacy - Department of Radiology,  
Cluj-Napoca/Romania  
Topic: Abdominal Radiology  
Training Centre: University Hospital Maastricht/Netherlands

I would like to thank ESGAR and ESOR for awarding me the three-month fellowship in the department of radiology of University Hospital Maastricht, Netherlands. It has been a privilege and an excellent educational opportunity to work with my tutor, Professor Regina Beets-Tan and her colleagues from the abdominal imaging team. The daily routine included rigorous preparation for the multidisciplinary meetings which included studying all the cases and the previous examinations of the patients and then discuss all the cases with the senior abdominal radiologist. The MDT's were held five times a week and included liver/pancreas/GI meetings twice a week, uro-onco, gyne-onco and hema-onco. Meetings could have more than 20 cases, many of them complex cases referred from other hospitals. I would like to underline the fact that all the meetings I attended were held in English and at the same time only the radiology department had fellows. On my arrival I was asked what I want to focus on. My answer was liver, pancreas, colo-rectal MRI and gynecology. So I received teaching files that included more than 400 cases of liver and pancreatic pathology, 150 cases of endometrial carcinoma, 150 cases of cervix carcinoma, 250 cases of ovary cancer, hundreds of cases of endometriosis and rectal cancer MRI with examination before and after chemo-radiotherapy, all of them correlated with histology results. At the same time I participated also in research work in the domain of colon cancer MRI. This fellowship provided me with an excellent practical and social experience which I greatly appreciate. It also gave me the opportunity to discover Maastricht and the Netherlands, a vibrant university city in a great country



**Olga Nikolaidou**

Panagia Diagnostic Center, Thessaloniki/Greece  
Topic: Abdominal Radiology  
Training Centre: Academic Medical Center, Amsterdam/Netherlands

I would like to express my gratitude to the ESGAR and ESOR committees, as it was a great honour, awarding me with the three-month fellowship in abdominal radiology at the radiology department of Academic Medical Center (AMC) in Amsterdam, Netherlands. I have started my fellowship here in AMC in October, 2014, so at the time of writing this report, I am half-way through my fellowship. Professor Stoker, as the head of the department welcomed me and Professor van Delden introduced me to the other staff members. The training programme is based on daily clinical practice, including daily multidisciplinary team meetings dedicated to gastrointestinal and hepatobiliary pathology, where findings and further patient management are discussed, strictly in the Dutch language. Although not allowed to involve in reporting or case presentation, I have access to numerous cases regarding abdominal imaging. Academic Medical Center offers also the opportunity to attend several teaching sessions and research seminars. Luckily, some of these meetings are held in English. Furthermore, Professor Stoker assigned to me, from the beginning of my fellowship, a 200 cases database of CT Colonography exams and a 100 cases database of MRI Enterography exams to report, as the radiology department of AMC is internationally known for the gastrointestinal luminal imaging. During these three months here at Amsterdam Medical Center I'm having the opportunity to introduce myself to a completely different working environment and health care system and to strengthen my knowledge in this radiological field.



**Sasa Rudolf**  
 UKC Maribor/Slovenia  
 Topic: Abdominal Radiology  
 Training Centre: Medical University of Vienna/Austria

The ESOR Exchange Programme for Abdominal Radiology Fellowship at AKH University Hospital Vienna, Austria was an invaluable experience for me. It has been a privilege and an excellent educational opportunity to work with a group of highly professional radiologists in the field and Professor Maier, as my tutor. I have gained and developed both, professionally and personally. Enrolled in daily work including case reporting, reading sessions with residents, attending multidisciplinary meetings and educational lectures I had the opportunity to follow and participate in up-to-date modality techniques and protocols, giving me invaluable knowledge for future evolution as radiologist specialized in abdominal imaging and getting acknowledged at my home institution. I was especially impressed by the admirable cooperation between radiologists and clinicians on a daily basis and during several weekly multidisciplinary team meetings conducted by radiologists. I am very grateful to ESOR for providing me with this fulfilling experience.



**Pilar Sánchez de Medina Alba**  
 Hospital Universitario de Salamanca/Spain  
 Topic: Abdominal Radiology  
 Training Centre: Addenbrooke's Hospital, Cambridge/United Kingdom

I am very grateful to the ESOR/ESGAR for giving me the opportunity to do the fellowship in abdominal radiology at Addenbrooke's Hospital in Cambridge. During this three-month period I have attended weekly multidisciplinary meetings, such as liver, multivisceral transplant or gynaecology oncology and also teaching meetings and MRI, CT and ultrasound sessions. I would like to thank my tutor, Prof. David J. Lomas and all the members of the gastrointestinal and genitourinary section for teaching me and getting me involved in their daily activity and sharing interesting cases. Their kindness as well as the friendliness of the radiology registrars has made this training period an unforgettable experience.



**Ana Sverko Peternac**  
 University Clinical Hospital Centre "Sestre Milosrdnice", Zagreb/Croatia  
 Topic: Abdominal Imaging  
 Training Centre: Guy's and St. Thomas' NHS Foundation Trust, London/United Kingdom

Spending three months at Guy's and St. Thomas' Hospital in London was one of the most interesting and prosperous professional experiences for me, with numerous opportunities for professional and personal development. I actively participated in all activities of the department related to abdominal imaging but was also warmly welcomed to various research activities and academic courses involving different aspects of radiology. I was once more convinced of the importance of subspecialisation in radiology and have seen great devotion to lifelong learning and research. I am very thankful to the European Society of Radiology for this exceptional opportunity and would like to express profound gratitude to my mentor N. Griffin, as well as every other member of the staff and ESOR fellows for selflessly sharing their knowledge, experience and visions. Thank you all for reminding me that the mosaic of simplicity, enthusiasm and commitment leads to singularity.

**Exchange Programme for  
Breast Radiology Fellowship**



**Maria Papavasiliopoulou**

Olympion Patras/Greece

Topic: Breast Radiology

Training Centre: Policlinico Umberto I, Rome/Italy

I am grateful that ESOR/EUSOBI provided me with the scholarship and the opportunity to expand my knowledge in breast imaging by following this dedicated and experienced breast team. This three-month fellowship helped me become a better doctor and strengthened my ambition for further education on the subject of breast imaging and intervention. During my training period, I had the opportunity to follow the schedule of F. Pediconi's team, which consists of MRI, mammography and ultrasound, stereotactic biopsies, ultrasound-guided biopsies, as well as the multidisciplinary breast meeting. I had also the opportunity to attend a breast tomosynthesis course, to review cases from their digital data, learn a lot about breast cancer patient management and also to work with Dr. Laura Ballezio and Dr. Occhiato Rossella, breast radiologists in the same department. Federica, as well as her team (consultants, residents, fellows and also, the radiographers) made me feel welcome and part of their team from the first day. Special thanks to all. I highly recommend the ESOR fellowship programme for every young radiologist.





**Exchange Programme for  
Breast Imaging Fellowship (USA)**



**Oshaani Abeyakoon**

Kings College Hospital, London/United Kingdom

Topic: Breast Imaging

Training Centre: Memorial Sloan-Kettering Cancer Center, New York/USA

My sincere gratitude to ESOR for another amazing opportunity. This year I was fortunate to be awarded the American fellowship programme. MSKCC provides patients with an exceptionally high standard of cancer care. The institution has impressive resources that allow a trainee to deepen their knowledge, skills and experience in clinical activity and medical research. There is no limit to the number of 'in house' courses one can attend. My mentors Dr. Elizabeth Morris and Professor Hricak encouraged me to take every learning opportunity that presented itself. I divided my learning into three sections: clinical care in breast imaging and molecular imaging, enhancing my skills in research methodology and engaging in retrospective and prospective research. MSKCC hosts national and international seminars on a daily basis. Here was an opportunity to go beyond the state of the art cancer care offered at the institution and gain exposure to leaders across the world who are pioneering a new era, a personalised medicine and systems biology. MSKCC sponsored me to attend RSNA, an experience that fuelled my enthusiasm and ability to think. Dr. Morris made a visiting fellow like myself feel welcome and part of the MSKCC family. She created a platform that allows me to continue collaborations that last a life time. In addition to the professional learning, one of the most cherished aspects of the ESOR exchange programmes is the gift of friendship. I now have close friends in New York, Columbia, Shanghai and Germany. Last but not least was the exponential personal growth I received when exploring the vibrant, diverse city of New York. It is an education like no other. Despite my reflection and gratitude I do not think I can fully perceive the significance of the education I received yet. It reveals itself every day.



**Nelson Bedoya**

Hospital Universitario Fundación SantaFe de Bogota/Colombia

Topic: Breast Imaging

Training Centre: Memorial Sloan-Kettering Cancer Center, New York/USA

The ESOR Breast Imaging Fellowship Programme at MSKCC in New York gave me a unique and unforgettable experience. It is an experience and opportunity to expand and improve my knowledge in breast imaging. I would like to express my gratitude to my mentors Dr. Elizabeth Morris, Dr. D. David Dershaw and Prof. Hedvig Hricak and to the entire faculty and fellows for sharing their precious time, their knowledge and expertise with me. I have been welcomed to participate in daily lectures, multidisciplinary meetings and daily routine practice, actively taking part in research projects. I have attended the breast multi-disciplinary meeting, debates, lectures, radiology-pathology meetings, journal clubs and interesting cases in a center with a solid and productive continuing medical education programme. I have had the opportunity to see and learn from the best practices in a friendly environment together with attending physicians, fellows and technologists. My experience was intense and fruitful and I'm honoured to have been part of one of the best breast imaging centres in the world. I would finally like to thank ESOR for making this great learning experience possible.



### Exchange Programme for Cardiac Radiology Fellowship



**Ekaterina Pershina**

Federal Center of Rehabilitation and Treatment, Moscow/Russian Federation

Topic: Cardiac Radiology

Training Centre: University of Leipzig - Heart Centre, Leipzig/Germany

The ESOR visiting scholarship at the radiology department of Herzzentrum, Leipzig was an exclusive opportunity for me to expand my knowledge and experience in Cardiac Imaging. I was fully involved in all activities of the department including case reporting, reading sessions with other residents, as well as attending multidisciplinary meetings and educational lectures. I would like to express my heartfelt gratitude to Prof. Gutberlet, Dr. Künzel Eberhart, Dr. Stefan Nitzsche, Dr. Lukas Lehmkuhl who made me feel, even for a short while, like part of their outstanding team of professionals and provided a very comfortable atmosphere. Thanks to Prof. Gutberlet and Dr. Grothoff I was involved in a research project on cardiac imaging and inspired to continue it later on. Furthermore, I would like to thank all other radiologists and co-workers at the department who readily shared their knowledge and experience with me and were very kind to me throughout my training period that passed almost imperceptibly. I'm particularly grateful to ESOR for giving me this unique highlight at the beginning of my professional career and a great chance to broaden my horizon both on personal and professional level. I would strongly encourage all other radiology trainees to take a chance and to apply for such an unforgettable experience!



**Marian Pop**

IBCvT Tg. Mures/Romania

Topic: Cardiac Radiology

Training Centre: University Hospital Southampton/United Kingdom

I would like to express my gratitude towards ESOR/ESCR for the opportunity to be a part of the Exchange Programme for Fellowships 2014, allowing me to attend a three-month training on cardiac imaging at University Hospital Southampton. It was an extraordinarily exciting experience to learn cardiovascular MRI and extend my cardiac CT knowledge with the help of excellent teachers and dedicated radiologists. This fellowship granted me not just exposure and inside view of a team with a high level of professionalism and dedication but also gave me the possibility to study the organizational complexity of a state of the art imaging facility. I cannot end without thanking the whole cardiac MRI team but especially Dr. Charles Peebles, Dr. James Shambrook and Dr. Stephen Harden, for their patience, kindness and dedication in making those three months exceptionally memorable.

**Exchange Programme for  
Head and Neck Radiology Fellowship**



**Anthony Bartley**

Royal Perth Hospital, Perth/Western Australia

Topic: Head and Neck Radiology

Training Centre: Royal National Nose, Throat and Ear Hospital (RNTNE) & University College London Hospital (UCLH), London/United Kingdom

I am immensely appreciative for the opportunity to further my interest in head and neck imaging at UCLH and RNTNE. Training has been split between the two sites in central London. The attachment has been well rounded with excellent exposure to the range of imaging modalities as well as an interesting and diverse caseload. There is a good balance of cross sectional imaging, ultrasound, research and clinicopathological meeting exposure. In particular the high volume of ultrasound has been invaluable. Multiple multidisciplinary meetings are conducted throughout the week, covering a breath of head and neck themes including; audiology, neuro-otology, thyroid, head and neck oncology and the skull base. I would like to extend my appreciation to the ESHNR and ESOR for the opportunity. I am especially grateful to Dr. Tim Beale and Dr. Simon Morley for their excellent teaching and enthusiasm.



**Montserrat Domingo Ayllón**

Service de Neuroradiologie - CHRU Nancy/France

Topic: Head and Neck Radiology

Training Centre: University Hospital Geneva/Switzerland

I am very grateful for the opportunity given to me to get the ESOR/ESHNR fellowship in head and neck radiology at the University Hospital Geneva, with the supervision of the well-known Professor Minerva Becker. This fellowship has enabled me to learn a multimodal approach (orthopantomography, Cone Beam CT, US, MDCT, MRI, PET) in all types of pathologies and in all head and neck areas. The most important advance for me has been to put into practice my knowledge and to improve my experience in oncologic neck cases (pharynx, larynx, oral cavity) by means of CT and MRI, at diagnosis and at follow-up to recognize recurrences after treatment. I have had the opportunity to assist in staff meetings, scientific lectures and interdisciplinary boards (ENT surgeons, radiotherapists, oncologists, pathologists and radiologists) to discuss the best management in each patient. Moreover, in this short time, I have been able to make a case review in oncologic pathology thanks to Professor Becker's agreement. I want to thank the team of head and neck radiology, Professor Minerva Becker, Dr. Angeliki Ailianou and Dr. Salvatore Stefanelli and all residents and secretaries of the radiology department because all have made me feel like at home.

**Exchange Programme for  
Musculoskeletal Radiology Fellowship**



**Mislav Čavka**

University Hospital "Dubrava", Zagreb/Croatia

Training Centre: Scientific Institute Hospital "Casa Sollievo della Sofferenza", San Giovanni Rotondo/Italy

I am very grateful to ESR/ESOR and ESSR that have chosen me to participate in their esteemed exchange programme. Prof. Giuseppe Guglielmi is an excellent tutor who coached me from basic X-ray reports to advanced MRI exams. I was involved in all professional activities with local radiologists and radiology residents. I was also involved in scientific activities which should result in several scientific publications in international journals. I would strongly recommend a MSK radiology fellowship at Casa Sollievo della Sofferenza to all young fellows who are interested in the field.



**Fabian Springer**

University Hospital, Tuebingen/Germany

Topic: Musculoskeletal Imaging

Training Centre: Musculoskeletal Centre Leeds Teaching Hospitals, Leeds/United Kingdom

It was both an honour and a privilege having had the opportunity of doing a three-month dedicated MSK fellowship at the Chapel Allerton X-Ray Department in Leeds, UK. During my fellowship I could gain further experience in reporting various MSK examinations and improve my skills in image-guided musculoskeletal interventions using ultrasound, CT, and fluoroscopy. In addition to my daily clinical work during the fellowship in Leeds, I also had the opportunity to participate in a dedicated three-day musculoskeletal ultrasound course in Oxford (UK) and a MSK imaging course in Edinburgh (UK), which were partly held by some of the MSK consultants from Leeds. It has been a unique experience in my career, which further strengthened my interest in musculoskeletal radiology. Once again I would like to thank all of the department staff in Leeds as well as the ESR/ESOR and ESSR society for providing this exceptional MSK fellowship exchange programme.

**Exchange Programme for  
 Neuroradiology Fellowship**



**Bernardo Corrêa de Almeida Teixeira**

Hospital de Clínicas da Universidade Federal do Paraná, Curitiba/Brazil

Topic: Neuroradiology

Training Centre: VU Medical Center, Amsterdam/Netherlands

During my time at the VU Medical Center in Amsterdam I had the opportunity to attend many multidisciplinary meetings in the fields of dementia, multiple sclerosis, paediatric neuroradiology and neuro-oncology and through those I was exposed to a large number of interesting and rare diseases and also able to participate in high-level discussions with world-renowned specialists. The hospital has a strong research division and I could work on some projects of the Image Analysis Center related to multiple sclerosis. Last but not least, the combination of an international and multi-language environment with friendly and active staff members have made my experience very pleasant and definitely unforgettable. I am very grateful to Prof. Frederick Barkhof, Esther Sanchez Aliaga and Joost Bot for all the knowledge and experience shared with me during these three months and to ESOR/ESNR who have made all of this possible.



**Mohammad Hanafiah**

UiTM Clinical Training Centre, Sungai Buloh/Malaysia

Topic: Neuroradiology

Training Centre: The National Hospital of Neurology and Neurosurgery UCLH Foundation Trust, London/United Kingdom

It was a great privilege and honour to spend three months of my ESOR visiting scholarship at the National Hospital of Neurology and Neurosurgery, Queen Square. There were numerous interesting cases and procedures done in this hospital allowing for a great educational experience. Other than shadowing consultants in their daily reporting and doing my own supervised reporting, I had fruitful opportunities to attend other activities including various relevant multi-disciplinary team meetings, focused consultant teachings, physics classes and journal club presentations. In addition, I was allowed to observe many interesting neuro-interventional procedures as well as intraoperative Magnetic Resonance Imaging (iMRI) including functional MRI (fMRI). Working in a centre of excellence has made this three-month period an unforgettable experience.



**Jelena Kostić**

Centre for Radiology and MRI, Clinical Centre of Serbia/Belgrade

Topic: Neuroradiology

Training Centre: University Hospital of Antwerp/Belgium

First of all I would like to express my gratitude to the ESOR Committee for awarding me with a three-month scholarship in neuroradiology at University Clinic of Antwerp, Belgium. It has been a privilege and a great educational experience to work with my tutor Prof. Dr. Parizel and his excellent colleagues. During my stay there, I had the opportunity to familiarise myself with the newer techniques in neuroradiology, to investigate interesting and complicated cases and most importantly, to adopt a methodical way of thinking in order to reach the correct diagnosis. I would like to thank very much all staff members and young residents (especially Astrid, Simon, Michael, Mattias, Elin, Michiel) for their help and courtesy. The specialists and the residents made me feel part of the team and were always keen to share their knowledge with me. I would especially like to thank Dr. Venstermans, Dr. De Belder, Dr. Voormolen, Dr. Jan Gielen, Dr. Salgado, Dr. Van Dyck, Dr. Van der Zijden, Dr. Huyskens for all the interesting cases and educational stimuli they provided. I would like to thank ESOR/ESR for their effort to organise and sponsor the Exchange Programme for Fellowships. I strongly encourage other trainees to participate in this life changing experience.



**Enes Özlük**

Istanbul University, Istanbul/Turkey

Topic: Neuroradiology

Training Centre: Chu De Montpellier - Gui De Chauliac, Montpellier/France

During the three-month ESOR Exchange Programme for Fellowships 2014 at Gui de Chauliac Hospital, Montpellier I had great opportunities to observe diagnostic and interventional studies, including advanced neuroradiological techniques and emergent interventional managements. Besides observing daily reporting, I also had chances to attend seminars, multidisciplinary staff meetings and thesis discussions. I also participated in writing two case reports and an article focusing on epilepsy. I would like to thank Prof. Bonafé, his team, especially to Assoc. Prof. Menjot de Champfleury for their warm welcome and support. I also would like to thank ESOR and ESNR Editorial Office for this important opportunity for my career.



**Numfon Pothichamnan**

Ramathibodi Hospital, Bangkok/Thailand

Topic: Neuroradiology

Training Centre: University Hospital of Vienna/Austria

It's my pleasure to be one of the recipients of the ESOR/ESNR Exchange Programme for Fellowships. I got a great opportunity to attend at the neuroradiology and musculoskeletal radiology division of the University Hospital of Vienna, Austria. Through all three months, I have learned lots of interesting cases especially fetal MRI. The neuroradiology and MSK staff kindly taught me and the other foreign observers. Many internal and interdepartmental conferences enhanced my knowledge. I'm grateful that the staff gave me a chance to participate and discuss the conferences and cases and made me feel like I'm a part of the team and not just an observer. In addition, I also learned to live abroad and experienced the Austrian culture. I gained precious experience there and it augmented my perspective.

**Exchange Programme for  
Paediatric Radiology Fellowship**



**Andreana Bompoti**

Papageorgiou General Hospital, Exochi Thessaloniki/Greece

Topic: Paediatric Radiology

Training Centre: Medical University of Graz/Austria

I am very grateful to ESR/ESOR and ESPR for awarding me a three-month scholarship in the Department of Paediatric Radiology at the Medical University of Graz, Austria. I would also like to express my gratitude to Prof. Sorantin and Prof. Riccabona for their excellent support. During my stay here I gained valuable experience in the field of paediatric radiology. I was allowed to take part in the daily activities of the department, such as the interdisciplinary meetings and the reporting of trauma/intensive care unit x-rays and I was also involved in a research project. Furthermore, I was encouraged to attend a two-day seminar organised by the Paediatric Radiology Working Group of the Austrian Society of Radiology in Klagenfurt. This fellowship helped me realise the importance of mobility through Europe.



**Ildiko Lukács**

Thomayerova Nemocnice, Prague/Czech Republic

Topic: Paediatric Radiology

Training Centre: University Hospital of Ioannina/Greece

The European School of Radiology gave me the opportunity to spend three months at the University Hospital of Ioannina in Greece as a member of the fellowship programme in paediatric radiology. This period has been one of the most interesting experiences I have had in my life, not only from the professional side but also from the personal one. I have gained more experience in performing brain ultrasounds, got more familiar with paediatric MRI protocols and evaluations. Besides paediatric radiology I had the opportunity to participate in the daily activities of the department including US scanning, plain film reading, CT and MR evaluations. I also attended everyday meetings and teaching sessions which have incalculable value for me. It was also illuminating to experience a healthcare system very different from my home country. I would like to thank ESOR for this great opportunity, also to my perfect tutor, consultants and all the fellows, technicians and nurses of the radiology department. I feel grateful for their hospitality. I would like to encourage other young radiologists to apply for the fellowship or scholarship programme.



**Erika Pace**

SS. Annunziata Hospital of Chieti/Italy

Topic: Paediatric Radiology

Training Centre: Great Ormond Street Hospital for Children NHS Trust,  
London/United Kingdom

I feel very honoured and glad to have had the opportunity to spend a period of time in this outstanding hospital. It has been a fabulous chance to deepen my knowledge in the role of every sort of imaging technique used for diagnosing and following up a disease in a paediatric patient. I had access to X-ray, US, CT, MRI, fluoroscopy as well as nuclear medicine reporting and examination rooms. Furthermore, being a centre of excellence, often complicated, interesting cases and rare diseases were discussed during the daily multidisciplinary meetings, which were useful to better understand both the clinicians and surgeons' perspectives and expectations while reading a radiological report. I also took part in several weekly teachings concerning every body system, organized by highly competent radiologists. Every consultant, fellow, registrar or radiographer showed a very kind attitude, being always ready to answer all my questions, thus I immediately felt welcomed. I am immensely thankful to the ESOR and the ESPR to have let me live this wonderful experience during which I increased my skills in a field, which is of great interest to me, and I improved my everyday clinical and research practice.

**Exchange Programme for  
Thoracic Radiology Fellowship**



**Manuel Gutiérrez Gimeno**

Hospital General de Catalunya, Barcelona/Spain

Topic: Thoracic Radiology

Training Centre: Hammersmith Hospital, London/United Kingdom

The ESOR/ESTI Exchange Programme is a great opportunity to get acquainted to a new work environment by meeting acknowledged professionals and learning from them. In my case I want to express my gratitude to Dr. Copley, who is a proficient thoracic radiologist. It is great to be able to consult any doubt with a radiologist who easily turns a challenging case in something much simpler. During my stay at Hammersmith Hospital (and also Charing Cross Hospital and Saint Mary's Hospital) I reported by myself more than 100 CT and chest X-ray explorations and, afterwards, corrected them with her. Besides, I participated in many of Dr. Copley's reporting sessions, multiple multidisciplinary meetings and I had the opportunity to receive some cardiac MRI training as well (in a minor degree than thoracic, of course). I want to thank Dr. Ariff for his kindness and his educational explanations in the CRM field. I also took part in the autumn meeting of the British Society of Thoracic Imaging (BSTI). It has been an enriching experience, indeed.



**Aleksander Marin**

Department of Radiology at University Clinic of Pulmonary and Allergic Diseases,  
Golnik/ Slovenia

Topic: Thoracic Imaging

Training Centre: Clinical Research Imaging Centre - University of Edinburgh/  
United Kingdom

The 2014 ESOR & ESTI Thoracic Radiology Fellowship at Clinical Research Imaging Centre, University of Edinburgh gave me an exceptional opportunity to expand my knowledge in thoracic imaging. Prof. Van Beek and Dr. Mirsadraee were devoted teachers and made learning from them an interesting and enjoyable experience for me. They also made me feel welcome and included in their everyday clinical and academic work, such as image analysis of thoracic and cardiac CT and MRI, chest PET-CT, and the multidisciplinary respiratory and oncology meetings. In addition I was included in research projects, which helped me gain experience in data analysis. I believe my knowledge of thoracic imaging has improved and I gained new knowledge of cardiothoracic CT and MRI imaging. Finally, I would like to thank ESOR, ESTI, Clinical Research Imaging Centre at University of Edinburgh and the radiology department at the Royal Infirmary of Edinburgh for the great opportunity. Special thanks also to the residents who made me feel welcome and made my stay in beautiful Edinburgh a great pleasure.



**Inneke Willekens**

UZ Brussel, Brussels/Belgium

Topic: Thoracic Radiology

Training Centre: Policlinico Universitario "Agostino Gemelli", Rome/Italy

The ESOR Exchange Programme for Thoracic Radiology Fellowship has given me the unique opportunity to spend three months at the radiology department of the Policlinico Universitario Agostino Gemelli in Rome. I had the advantage of being mentored by Dr. Anna Rita Larici, who was willing to share her experience and knowledge. I was involved in the scanning and reporting procedures and had the opportunity to study in detail an extensive chest radiology teaching file. I would like to express my gratitude and thanks to ESOR and Professor Bonomo for providing me with this useful experience.

LEVEL II+III

# TEACH-THE-TEACHERS PROGRAMME

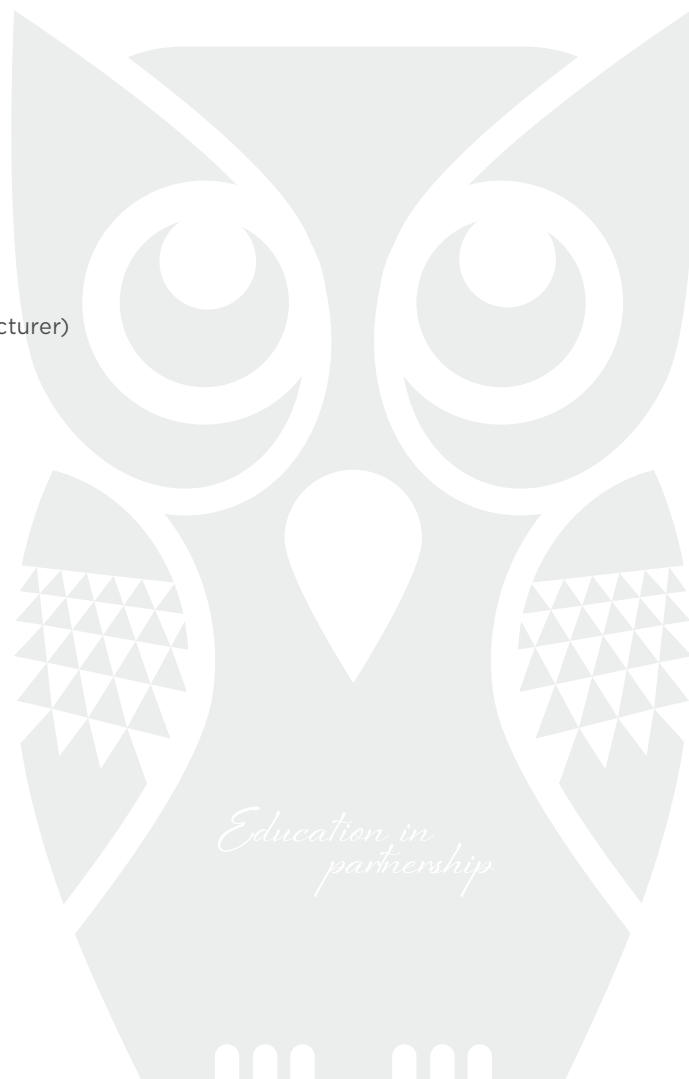
After a successful first programme in 2012, this activity, was continued also in 2014. The Teach-the-Teachers programme aimed to raise teaching skills among trainees hoping to become teachers. Ten applications were received and six trainees benefited from the programmes. A one-week training course was offered at the Department of Radiology at the University of Szeged as well as at the University of Amsterdam – Academic Medical Center, for which ESOR is very grateful.

## Faculty members in Szeged, Hungary:

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Ferenc Bari  
Katalin Barabás  
Zita Morvay  
Endre Szabó  
Luis H. Ros Mendoza, Zaragoza/ES (Guest Lecturer)

## Faculty members in Amsterdam, Netherlands:

Mario Maas  
Jim A. Reekers  
Coby Baane  
Paul P.F.M. Kuijer  
Roelof-Jan Oostra  
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Milko C. de Jonge  
Gino M.M.J. Kerkhoffs  
Henk-Jan Baarslag  
Apostolos Karantanas, Heraklion/GR (Guest Lecturer)





# TEACH-THE-TEACHERS PROGRAMME

*My experience*



**Luigia D'Errico**

University Hospital Basel/Switzerland  
Topic: Abdominal Imaging  
Training Centre: University of Szeged/Hungary

I was a participant in the Teach-the-Teachers Programme 2014 in Abdominal Imaging, which was held at the Department of Radiology, University of Szeged, Hungary. During the one-week training, I have been actively involved in several teaching sessions which I found very interesting and enjoyable. The programme also included the attendance of classes held for medicine students and radiology residents. On the last day we used all the knowledge we had gained during the week to prepare and hold a presentation for the local residents. The time I spent at the University of Szeged proved to be an unforgettable experience. I would like to express my gratitude to Dr. E. Szabó for the organization and the very kind hospitality, Prof. Palkó for the interesting lectures and Prof. Ros Mendoza. Thanks to the other participants of the course for the enjoyable time spent together! Thank you ESOR!



**Guillermo Gallardo Madueno**

Fundación Jiménez Díaz, Madrid/Spain  
Topic: Abdominal Imaging  
Training Centre: University of Szeged/Hungary

Having participated in this programme has been a truly rewarding experience. The small number of participants allowed us to establish a direct and close relationship with the instructors. We were able to improve our teaching skills and increase our passion for teaching. I would like to emphasize not only the efforts of the trainers but also the attitude of my other fellow students, from which I have been able to learn valuable lessons. I enjoyed preparing my final talk, trying to demonstrate what I have learned these days. I deeply appreciate the ESOR and the group of teachers (especially A. Palkó and E. Szabó) for their dedication and attention during these days.



**Abhishek Mahajan**

Guy's Hospital, King's College London/United Kingdom  
Topic: Abdominal Imaging  
Training Centre: University of Szeged/Hungary

I've been thinking a ton about the training session lately and how much I thoroughly enjoyed everything. There were many topics covered during the workshop and the presenters did an outstanding job of sharing their expertise with us. It was very informative, very well-presented and enjoyable. I have learned so much from the training that will assist me in my workplace. I've started to incorporate a lot of what was taught into recent presentations, strategies and meetings. Also I would like to thank the training centre for the homely atmosphere and amazing hospitality. Once again thanks for the wonderful training and new skills I have now.

# TEACH-THE-TEACHERS PROGRAMME

## *My experience*



**Piotr Palczewski**

Child Jesus Clinical Hospital, Warsaw/Poland

Topic: Musculoskeletal Imaging

Training Centre: Academic Medical Center, University of Amsterdam/Netherlands

In December 2014 I participated in the Teach-the-teachers Programme on “How to practice and teach musculoskeletal imaging” at the Academic Medical Center in Amsterdam. I was impressed by the multidisciplinary and evidence based approach to teaching that was presented during the course. The presentations by faculty members were delivered in a workshop manner, which together with a small number of participants facilitated in-depth discussions. I really liked how the workshops were interlaced with observation of daily teaching activities of the hosting department, which was very instructive in regards to the practical employment of the discussed issues. I would like to thank Professor Maas and his team for their enormous hospitality and excellent course that broadened my view on the teaching process.



**Luca Maria Sconfienza**

IRCCS Policlinico San Donato, Milan/Italy

Topic: Musculoskeletal Imaging

Training Centre: Academic Medical Center, University of Amsterdam/Netherlands

I would like to thank ESR and ESOR for the opportunity to participate in the Teach-the-Teachers Programme in musculoskeletal radiology that was held in Amsterdam, Netherlands in December 2014. Being an effective teacher is not easy. While giving a scientific lecture on a well-managed topic may be relatively simple it still requires a lot of skills and practice and teaching and mentoring students and residents truly represents a major challenge. Prof. Mario Maas shared with us his experience on the topic with extraordinary devotion, dedication and enthusiasm. He and his team not only illustrated useful tricks and tips on learning and teaching, but also acted as true mentors in guiding us in these highly demanding tasks.



**Janusz Wieczorek**

Child Jesus Clinical Hospital, Warsaw/Poland

Topic: Musculoskeletal Imaging

Training Centre: Academic Medical Center, University of Amsterdam/Netherlands

I applied for the Teach-the-Teachers Programme to enhance my skills in creating interesting lectures and presenting them to the public. However I have gained much more than I had expected. This one-week course was not really about radiology itself. I had the opportunity to participate in a fascinating journey through the world of teaching sciences, teamwork psychology and healthcare management - fields that still remain heavily underestimated in my country. I am sure that, in the nearest future, my younger colleagues (residents and students) will benefit from even better teaching programmes, that hopefully will be created with the knowledge and competences I have acquired during the course



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**Andrea Maier**

Medical University of Vienna/AT  
Abdominal Radiology

**Ammar Mallouhi**

Medical University of Vienna/AT  
Neuroradiology

**Guillaume Mercy**

Pitié Salpêtrière Hospital  
Paris/FR  
Musculoskeletal Radiology

**Xavier Merino**

Hospital Vall d'Hebron  
Barcelona/ES  
Abdominal Radiology

**Katherine Anne Miszkiel**

The National Hospital of Neurology and  
Neurosurgery UCLH Foundation Trust,  
London/UK  
Neuroradiology

**Julien Pagniez**

Hôpital Calmette - University Center of Lille/FR  
Chest Radiology

**Donna Plecha**

Case Western Reserve University,  
Cleveland/USA  
Breast Imaging

**Rebecca Preston**

Guy's and St. Thomas' NHS Foundation Trust,  
London/UK  
Cardiac Imaging

**Monique Reijnierse**

Leiden University Medical Center,  
Leiden/NL  
Musculoskeletal Radiology

**Mark Robbin**

Case Western Reserve University,  
Cleveland/USA  
Musculoskeletal Radiology

**Maria E. Sellars**

King's College Hospital Foundation Trust,  
London/UK  
Paediatric Radiology

**Ratan Verma**

University Hospitals of Leicester NHS Trust -  
Leicester General Hospital  
Leicester/UK  
Abdominal Radiology

**Sanjay Vijaynathan**

Guy's and St. Thomas' NHS Foundation Trust  
London/UK  
Musculoskeletal Radiology

## ESOR at ECR 2014



### ESOR SESSION MENTORING IN RADIOLOGY

**Moderators:**

G. Frija, Paris/FR  
N. Gourtsoyiannis, Athens/GR

**Introduction**

G. Frija, Paris/FR

**ESOR in action 2014**

N. Gourtsoyiannis, Athens/GR

**Evidence-based radiology: the basics**

F. Sardanelli, Milan/IT

**Education in research - action plan**

J. Hodler, Zurich/CH

**Mentoring in Radiology**

H.-U. Kauczor, Heidelberg/DE

**Awards**

On the occasion of the session, scholars and fellows were awarded certificates for successfully completing the 2013 Visiting Scholarship Programmes, Exchange Programmes for Fellowships and Teach-the-Teachers programmes.

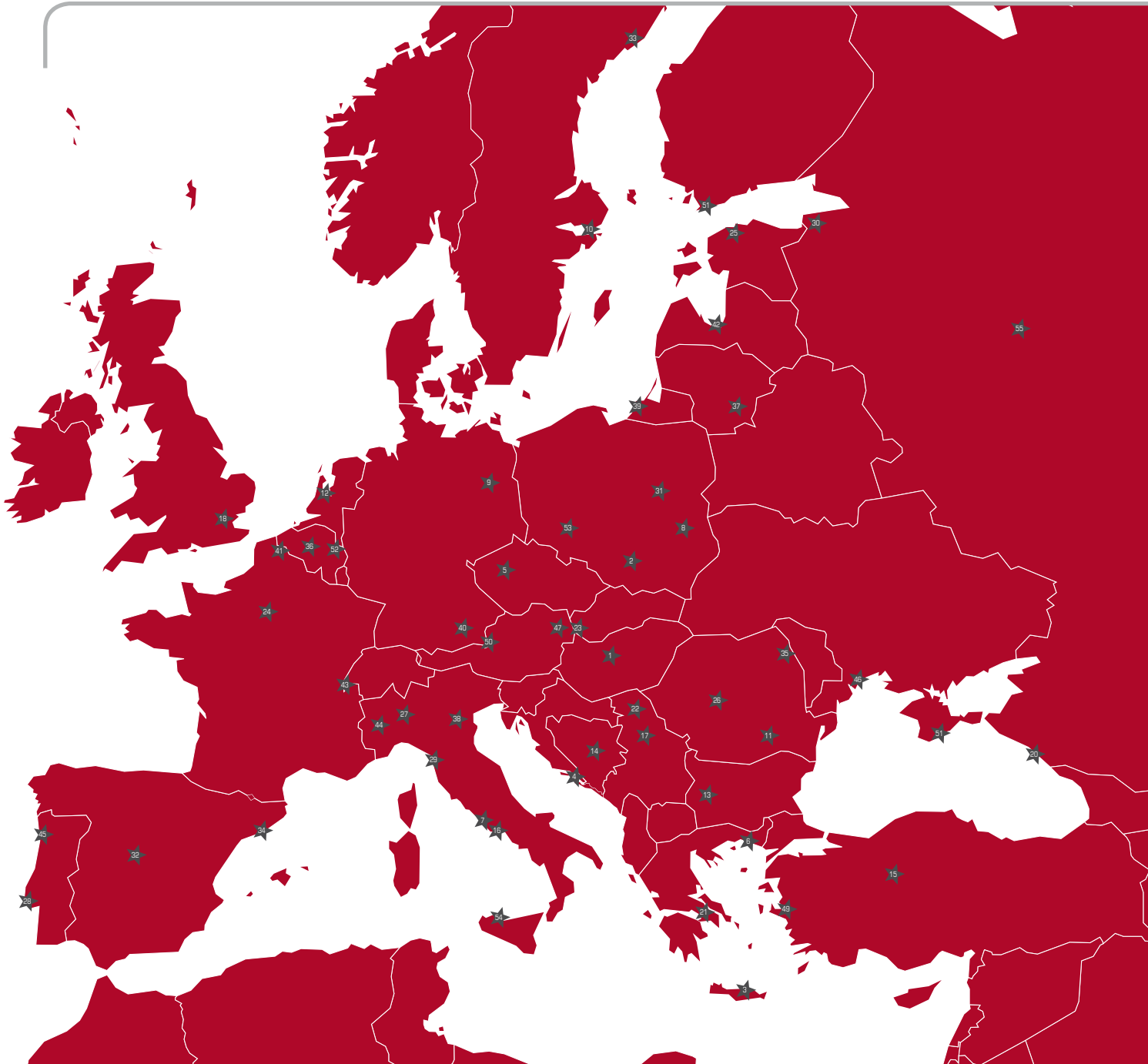
*in  
partnership.*



# CITIES/COUNTRIES VISITED 2006-2014

## EUROPE

- |                                    |                          |                          |                           |
|------------------------------------|--------------------------|--------------------------|---------------------------|
| 1 Budapest/Hungary                 | 15 Ankara/Turkey         | 30 St. Petersburg/Russia | 45 Porto/Portugal         |
| 2 Krakow/Poland                    | 16 Latina/Italy          | 31 Warsaw/Poland         | 46 Odessa/Ukraine         |
| 3 Heraklion/Greece                 | 17 Belgrade/Serbia       | 32 Madrid/Spain          | 47 Vienna/Austria         |
| 4 Dubrovnik/Croatia                | 18 London/United Kingdom | 33 Umea/Sweden           | 48 Rostov-on-don/Russia   |
| 5 Prague/Czech Republic            | 19 Rotterdam/Netherlands | 34 Barcelona/Spain       | 49 Izmir/Turkey           |
| 6 Alexandroupolis/Greece           | 20 Sochi/Russia          | 35 Iasi/Romania          | 50 Salzburg/Austria       |
| 7 Rome/Italy                       | 21 Athens/Greece         | 36 Brussels/Belgium      | 51 Helsinki/Finland       |
| 8 Lublin/Poland                    | 22 Novi Sad/Serbia       | 37 Vilnius/Lithuania     | 52 Maastricht/Netherlands |
| 9 Berlin/Germany                   | 23 Bratislava/Slovakia   | 38 Padova/Italy          | 53 Wroclaw/Poland         |
| 10 Stockholm/Sweden                | 24 Paris/France          | 39 Kaliningrad/Russia    | 54 Palermo/Italy          |
| 11 Bucharest/Romania               | 25 Tallinn/Estonia       | 40 Munich/Germany        | 55 Moscow/Russia          |
| 12 Amsterdam/Netherlands           | 26 Sibiu/Romania         | 41 Lille/France          |                           |
| 13 Sofia/Bulgaria                  | 27 Milan/Italy           | 42 Riga/Latvia           |                           |
| 14 Sarajevo/Bosnia and Herzegovina | 28 Lisbon/Portugal       | 43 Geneva/Switzerland    |                           |
|                                    | 29 Pisa/Italy            | 44 Turin/Italy           |                           |







## ASIA

- 1 Beijing/China
- 2 Qingdao/China
- 3 Nanjing/China
- 4 Shanghai/China
- 5 Kunming/China
- 6 Guangzhou/China
- 7 Hangzhou/China
- 8 Chengdu/China
- 9 Changsha/China
- 10 Dalian/China
- 11 Suzhou/China
- 12 Shenzhen/China
- 13 Guilin/China
- 14 Shenyang/China
- 15 Shijiazhuang/China
- 16 Xi'an/China
- 17 Wuhan/China
- 18 Hefei/China
- 19 Tianjin/China
- 20 Zhengzhou/China
- 21 Chongqing/China
- 22 Fuzhou/China
- 23 Taiyuan/China
- 24 Harbin/China
- 25 Jinan/China
- 26 Urumqi/China
- 27 Changchun/China
- 28 Nanchang/China
- 29 Ningbo/China
- 30 Haikou/China
- 31 Wuxi/China
- 32 Yinchuan/China
- 33 Seoul/Korea



## LATIN AMERICA

- 1 Santiago/Chile
- 2 Rio de Janeiro/Brazil
- 3 Belo Horizonte/Brazil
- 4 Sao Paulo/Brazil
- 5 Salvador/Brazil
- 6 Brasilia/Brazil
- 7 Porto Alegre/Brazil
- 8 Mexico City/Mexico
- 9 San Miguel de Allende/Mexico
- 10 Campinas/Brazil
- 11 Recife/Brazil
- 12 Mérida/Mexico



## MIDDLE EAST

- 1 Beirut/Lebanon
- 2 Jeddah/Saudi Arabia
- 3 Amman/Jordan
- 4 Kuwait/Kuwait

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