

ESOR
European School of Radiology

*Education in
partnership*

Annual Report 2010

Education in partnership



GE Healthcare



SIEMENS



Thank you

Review 2010



Dear Colleagues,

On behalf of ESOR, I would like to report on another successful year, during which ESOR has once more taken a key role in assisting to establish educational activities to serve the needs for education in radiology in Europe and beyond.

During 2010 ESOR broadened its range of activities. It added new course series and training programmes to its portfolio, which finally resulted in more visiting schools, seminars, visiting scholarship programmes, exchange programmes for fellowships, and tutorials.

The results again emphasise the importance to continue to work in a collegial way, that is education in partnership, and to deliver the level of professional, long-term education that is appreciated in Europe, but also worldwide.

As we now complete five years of existence, at the end of 2010 it is time to reflect on what has made such achievements possible.

The strength of ESOR is being built on the active engagement and firmed commitment of partners, who are believers to lifelong learning in radiology. A special word of thanks is due to all of them, the industry, local organisers, lecturers and teachers, heads of departments, tutors and mentors, reference training centres as well as subspecialty societies, and national societies in Europe and the world. Their continuing contribution and support is the backbone of the growth and success of ESOR and at the same time a valuable reflection of the reasoning of ESOR.

In this report all activities, previously established and continued, but also newly created are described. It will provide you with a snapshot of a year full of educational programmes for more than 2650 residents and young radiologists. It will also present you all faculty members and tutors, who delivered excellent teaching and mentoring within a unique collegiate environment where intellectual and personal growth flourish.



Professor Nicholas Gourtsoyiannis
ESOR Scientific/Educational Director

ESOR Steering Committee

Scientific/Educational Director

N. Gourtsoyiannis

Department of Radiology
University of Crete, Heraklion/GR

Committee Members

M. Szczerbo-Trojanowska

Department of Interventional Radiology
Medical University of Lublin/PL

C.D. Becker

Department of Diagnostic and
Interventional Radiology
University Hospital of Geneva/CH

G. Mostbeck

Department of Radiology
Wilhelminenspital, Vienna/AT

Ex-officio Members

M. Leonardi (until October)

Department of Neuroradiology
Bellaria Hospital, Bologna/IT
ESNR European Courses of Neuroradiology

P. Parizel (since October)

Department of Neuroradiology
University of Antwerp/Belgium
ESNR European Courses of Neuroradiology

W. Steinbrich

Department of Radiology
University Hospital, Basel/CH
ESMRMB School of MRI

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Academic Medical Center
Amsterdam/NL

A. Palkó

Department of Radiology
A. Szent-Gyorgyi University
Medical School Szeged/HU

GALEN Courses



GALEN (129–200 AD)

Greek: Γαληνός

Latin: Claudius Galenus of Pergamum

Arabic: Jalinus

Better known in English as Galen, he was an ancient Greek physician. Galen transmitted Hippocratic medicine all the way to the Renaissance. His views dominated European medicine for over a thousand years. Galen's work may be seen as building on the Hippocratic theories of the body.

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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. Each course is held in English and accompanied by a self-assessment test. CME accreditation of the programmes and evaluation of performance of both trainers and trainees are integral features of this project. In 2010 four foundation and four advanced courses have been organised, covering topics across the modalities reaching a total number of 440 participants from more than 35 countries.

GALEN Foundation Courses

In 2010 four courses aimed at residents in their 1st, 2nd or 3rd year of training in radiology and primarily assigned to the geographic area of South Central Europe were held in co-operation with GE Healthcare Medical Diagnostics South Central Europe. Topics included Abdominal Radiology, Chest/Cardiovascular Radiology, Neuroradiology, and Paediatric Radiology. The programme was divided into organ-oriented lectures, and interactive case discussions (workshops). A short pre-course session with nationally acclaimed lecturers supplemented the programme. The courses were attended by more than 240 participants from 28 countries, mainly from southern, central and eastern Europe.

GALEN Advanced Courses

The advanced courses complemented the foundation courses and offered a similar course structure to residents in their 4th or 5th year of training, as well as radiologists who had recently finished their training and who desired a comprehensive review of diagnostic radiology. Four courses were organised in partnership with GE Healthcare, focused on recent advances in cross-sectional imaging, including Abdominal, Cardiac, Musculoskeletal, and Urogenital Radiology. The programme was structured similarly to the foundation courses and included comprehensive lectures, interactive case discussions (workshops) and a self-assessment test. The courses were attended by almost 200 participants from 31 countries.

GALEN Foundation Courses

Abdominal Radiology

Novi Sad/Serbia; May 6-8, 2010

Local organiser:

S. Stojanovic, Novi Sad/RS

Topics and Faculty:

Bowel Obstruction: all you need is CT - true or false?

S. Senicar, Novi Sad/RS

CT Colonography

S. Stojanovic, Novi Sad/RS

Biliary and pancreatic interventions

V. Till, Novi Sad/RS

Acute Abdomen

B. Marincek, Zurich/CH

Gastroesophageal cancer

M. Laniado, Dresden/DE

Colorectal cancer

A. Freeman, Cambridge/UK

Cirrhosis and hepatocellular carcinoma

L. Ros Mendoza, Zaragoza/ES

Diseases of the biliary system

C. Matos, Brussels/BE

Acute and chronic pancreatitis

G. Morana, Treviso/IT

Solid and cystic pancreatic tumours

C. Stoupis, Maennedorf/CH

Focal liver lesions

G. Brancatelli, Palermo/IT

Mesentery and peritoneum

P. Prassopoulos, Alexandroupolis/GR

Number of participants: 60

Country statistics:

Belgium 3, Bosnia and Herzegovina 8, Bulgaria 1, Croatia 8, Greece 2, Hungary 1, Latvia 1, Macedonia 6, Malta 2, Netherlands 1, Serbia 26, Slovenia 1

Neuroradiology

Bratislava/Slovakia; May 13-15, 2010

Local organiser:

J. Bilicky, Bratislava/SK

Topics and Faculty:

Prenatal imaging of CNS anomalies

P. Eliáš, Hradec Kralové/CZ

Functional MRI

R. Vanatka, Bratislava/SK

MR tractography

J. Mištinová, Bratislava/SK

Cross-sectional anatomy of the brain revisited

P. Parizel, Antwerp/BE

Stroke: diagnosis and therapy

G. Schroth, Bern/CH

CNS injuries

I. Björkman-Burtscher, Lund/SE

CNS infectious diseases

M. Thurnher, Vienna/AT

CNS malignancies

S. Karampekios, Heraklion/GR

Epilepsy

P. Sundgren, Malmö/SE

White matter diseases

C.F. Andreula, Bari/IT

Vascular diseases

L. Pierot, Reims/FR

Degenerative diseases of the spine

M. Leonardi, Bologna/IT

Number of participants: 65

Country statistics:

Austria 1, Bulgaria 1, Croatia 8, Czech Republic 3, Estonia 1, Greece 4, Hungary 2, Italy 1, Macedonia 1, Poland 8, Portugal 1, Romania 5, Serbia 2, Slovakia 19, Spain 3, Sweden 1, Switzerland 1, United Kingdom 3

GALEN Foundation Courses

Chest/Cardiovascular Radiology

Sibiu/Romania; June 24-26, 2010

Local organiser:

A. Santa, Sibiu/RO

Topics and Faculty:

Congenital and acquired aortic disease: CT and MR imaging

I. Lupescu, Bucharest/RO

Pulmonary circulation: the role of non-invasive imaging

R.A. Capsa, Bucharest/RO

Multislice CT in the diagnosis and follow-up of malignant lymphoma of the thorax

D. Negru, Iasi/RO

Pulmonary infections

I. Vlahos, London/UK

Interstitial lung diseases

C. Schaefer-Prokop, Amersfoort/NL

Benign and malignant diseases of the pleura and chest wall

J. Verschakelen, Brussels/BE

Plain film and CT of the mediastinum and hilum:

Pitfalls vs disease

P. Vock, Bern/CH

Lung Cancer

M.L. Storto, Chieti/IT

Chest imaging of the intensive care patient

R. Eibel, Schwerin/DE

Cardiac and pericardiac disease

H.-C. Becker, Munich/DE

Thoracic aorta: degenerative and traumatic lesions

M. Szczerbo-Trojanowska, Lublin/PL

Aorto-iliac and lower extremity occlusive disease

G. Carrafiello, Varese/IT

Number of participants: 65

Country statistics:

Bulgaria 1, Croatia 3, France 1, Hungary 3, Ireland 1, Romania 55, Spain 1

Paediatric Radiology

Warsaw/Poland; October 28-30, 2010

Local organiser:

J. Walecki, Warsaw/PL

Topics and Faculty:

Malformations of CNS

M. Bekiesinska-Figatowska, Warsaw/PL

High frequency 2D/3D/4D ultrasound of pelvic floor and genito-urinary tract - from newborn to adolescence

A. Wieczorek, Lublin/PL

CT versus MR in congenital heart diseases

J. Glowacki, Zabrze/PL

Tips and tricks on performing good quality head US

C. Veyrac, Montpellier/FR

How to do abdominal Ultrasound and what to look for

F. Avni, Brussels/BE

How I do abdominal CT in trauma and acute conditions

M. Riccabona, Graz/AT

The role of contrast media in conventional pediatric radiology

V. Donoghue, Dublin/IE

Interpreting chest Xray in children from easy to complicated

R. Van Rijn, Amsterdam/NL

Basics of neuro MRI in children

A. Rossi, Genoa/IT

How to read paediatric head CT

M. Argyropoulou, Ioannina/GR

How I do chest CT in children

C. Owens, London/UK

US of the hip and soft tissues

G. Sebag, Paris/FR

Number of participants: 60

Country statistics:

Austria 1, Bulgaria 1, Germany 1, Greece 3, Hungary 2, Iran 4, Latvia 2, Malta 2, Poland 37, Portugal 2, Romania 4, Sweden 1

GALEN Advanced Courses

Cardiac Cross-Sectional Imaging

Paris/France; May 21-22, 2010

Local organiser:

O. Vignaux, Paris/FR

Topics and Faculty:

Congenital heart disease in children and adults (MRI, CT)

N. Kelekis, Athens/GR

Valvular heart disease (MRI, CT, Echo)

G. Feuchtner, Innsbruck/AT

Myocardium perfusion and viability (MRI, CT)

L. Natale, Rome /IT

Non ischemic cardiomyopathies with MR Imaging

O. Vignaux, Paris/FR

The Value of CMR and MDCT in the diagnosis of dilated cardiomyopathy

A. Jacquier, Paris/FR

Coronary artery disease (CT)

A.J. Madureira, Porto/PT

Coronary calcium scoring: imaging considerations and clinical implications (CT)

N. Mollet, Rotterdam/NL

Evaluation of coronary stents and bypasses with CT angiography

M. Francone, Rome/IT

Diseases of the pulmonary arteries and thoracic aorta (CT, MRI)

H. von Tengg, Heidelberg/DE

Number of participants: 35

Country statistics:

Australia 1, Austria 1, Azerbaijan 1, Belgium 2, Croatia 1, Czech Republic 1, France 7, Greece 7, Hungary 1, Netherlands 1, Poland 2, Portugal 4, Spain 3, Switzerland 1, Turkey 1, United Kingdom 1

Urogenital Cross-Sectional Imaging

Tallinn/Estonia; June 18-19, 2010

Local organiser:

S. Nazarenko, Tallinn/EE

Topics and Faculty:

Advanced ultrasound of the kidneys

L. Derchi, Genoa/IT

CT and MR urography

G. Mostbeck, Vienna/AT

Contrast media: nephrogenic systemic fibrosis (NSF) and contrast medium-induced nephropathy (CIN)

G. Heinz-Peer, Vienna/AT

Urinary tract: obstruction and infection

M.F. Bellin, Villejuif/FR

Renal tumours: detection and staging

R. Pozzi Mucelli, Verona/IT

Imaging evaluation of the indeterminate adrenal mass

R. Reznik, London/UK

MR imaging of prostate cancer

H.-P. Schlemmer, Heidelberg/DE

Cervical cancer: primary staging and detection of recurrence

B. Hamm, Berlin/DE

Ovarian lesion characterization

R. Forstner, Salzburg/AT

Number of participants: 68

Country statistics:

Croatia 1, Czech Republic 1, Estonia 43, Finland 3, France 1, Latvia 9, Lithuania 4, Poland 2, Romania 2, Russian Federation 1, United Kingdom 1

GALEN Advanced Courses

Abdominal Cross-Sectional Imaging

Pisa/Italy; September 17-18, 2010

Local organiser:

C. Bartolozzi, Pisa/IT

Topics and Faculty:

MDCT: technical innovations

M. Prokop, Nijmegen/NL

MRI: technical innovations

L. Marti-Bonmati, Valencia/ES

MDCT of non-traumatic acute abdomen in adult patients

J.-M. Bruel, Montpellier/FR

The liver: MRI or MDCT?

V. Vilgrain, Clichy/FR

The pancreas: MDCT or MRI?

C. Triantopoulou, Athens/GR

Vascular diseases: evaluation with MDCT

I. Bargellini, Pisa/IT

Small bowel: evaluation with MRI

N. Gourtsoyiannis, Heraklion/GR

Large bowel: virtual endoscopy

P. Lefere, Roeselare/BE

Anorectal diseases: evaluation with MRI

R. Beets-Tan, Maastricht/NL

Number of participants: 35

Country statistics:

Australia 2, Croatia 1, Finland 2, Greece 3, Italy 16, Latvia 2, Netherlands 1, Poland 1, Portugal 3, Romania 1, Spain 1, Turkey 1, USA 1

Musculoskeletal Cross-Sectional Imaging

Madrid/Spain; November 5-6, 2010

Local organiser:

M. Padrón, Madrid/ES

Topics and Faculty:

Bone tumours

M. Davies, Birmingham/UK

Soft tissue lesions

F. Vanhoenacker, Antwerp/BE

MSK ultrasound

M. Court-Payen, Copenhagen/DK

**MR arthrography of the shoulder:
radiological-pathological correlation**

N. Saupe, Zurich/CH

Hip impingement syndromes: normal vs. abnormal

A. Kassarian, Madrid/ES

Sports injuries

M. Maas, Amsterdam/NL

Bone marrow MRI

P. Omoumi, Brussels/BE

MR imaging of chronic ankle pain

M. Zanetti, Zurich/CH

MR imaging of the wrist

M. Padron, Madrid/ES

Number of participants: 60

Country statistics:

Austria 1, Croatia, 3, Cyprus 1, Czech Republic 2, France 2, Germany 2, Greece 3, Iran 3, Ireland 2, Malta 1, Netherlands 2, Poland 1, Portugal 13, Russian Federation 1, Serbia 1, South Africa 1, Spain 18, Switzerland 1, United Kingdom 1, USA 1

ASKLEPIOS Courses



ASKLEPIOS

Greek: Ἀσκληπιός

Latin: Aesculapius

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

Asclepius represents the healing aspect of medical arts. He had four daughters: Aglæa/Ægle, goddess of natural beauty and fitness, Hygieia, goddess of disease prevention, Panacea, goddess of healing (literally, „all-healing“), and Iaso, 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. Asclepius statues may be recognised by the presence of serpents.

ASKLEPIOS Courses in Europe and in the World

In its second year the ASKLEPIOS courses were expanded to six courses running in Europe, Middle East, Asia and South America. Content wise these were multi-thematic or multimodality advanced courses aimed in particular at general radiologists and private practitioners. The ASKLEPIOS courses were tailored to address recognised needs and thus, both new topics and new destinations could be explored.

One of those multimodality courses was held in partnership with Euromedic, which was attended by 55 radiologists from all over Europe. The partnership with Covidien was also extended into two courses. A multi-thematic course, held in Russia with almost 70 participants, a second one, an advanced abdominal imaging course, was organised, for the first time, in the Middle East and brought together radiologists from Lebanon, Bahrain, Egypt, Jordan, Kuwait, Lebanon, Libya, Saudia Arabia, Syria and United Arab Emirates. The course was attended by 65 radiologists. ESOR was happy to involve also local speakers, who gave highly appreciated lectures and workshops.

The long-term partnership with Bracco was strengthened this year through establishing two new ASKLEPIOS courses on Advanced Ultrasound and Contrast Enhanced Ultrasound, which were successfully held in Europe (45 participants) and Korea (95 participants).

ESOR this year further expanded to another continent, South America. It was the first ASKLEPIOS course held in partnership with the Chilean Society of Radiology. 90 radiologists followed the programme on advanced abdominal imaging, delivered by a renowned European faculty.

ASKLEPIOS Courses

Multimodality and Multidisciplinary Course for General Radiologists and Private Practitioners

Lisbon/Portugal; September 3-4, 2010

Local organiser:

F. Caseiro-Alves, Coimbra/PT

Topics and Faculty:

Advanced neuro imaging techniques of the brain: how and when?

M. Essig, Heidelberg/DE

Abdominal MDCT: protocols optimisation

F. Caseiro-Alves, Coimbra/PT

Abdominal MRI: state-of-the-art protocols

Y. Menu, Paris/FR

Oncologic MR imaging: technical advances

N. Papanikolaou, Heraklion/GR

Cardiac MDCT Imaging: how and when?

S. Leschka, St.Gallen/CH

Cardiac MR Imaging: how and when?

A. de Roos, Leiden/NL

MR Imaging of the breast: how and when?

K. Kinkel, Chêne-Bougeries/CH

MRI of the knee

J. Kramer, Linz/AT

Vascular Imaging: MDCT versus MRI

F.M. Meaney, Dublin/IE

CT Colonography: how to do it, how to interpret it

S.A. Taylor, London/UK

Number of participants: 51

Country statistics:

Belgium 2, Estonia 1, Greece 12, Hungary 2, Ireland 4, Poland 3, Portugal 18, Romania 4, Russia 1, Switzerland 1, Turkey 1, USA 2

Multi-thematic Course

St. Petersburg/Russia; October 1-2, 2010

Local organiser:

G. Karmazanovsky, Moscow/RU

Topics and Faculty:

MDCT in acute chest pain

V. Sinitsyn, Moscow/RU

Imaging coronary artery disease (CT)

C. Loewe, Vienna/AT

Whole-body CT angiography

G. Karmazanovsky, Moscow/RU

Imaging non-traumatic acute abdomen in adults

A. Palkó, Budapest/HU

Abdominal injuries: imaging pitfalls and errors

R.F. Dondelinger, Liege/BE

Liver imaging: MDCT or MRI

C. Zech, Munich/DE

MRCP

R. Maksimovic, Belgrade/RS

Detection and characterisation of adrenal masses

S. Yarmenitis, Athens/GR

Problem-solving gynaecologic cancer imaging

D. Weishaupt, Zurich/CH

Number of participants: 65

Country statistics:

Estonia 2, Israel 1, Moldova 2, Russia 55, Ukraine 5

ASKLEPIOS Courses

Advanced Abdominal Imaging

Beirut/Lebanon; October 22-23, 2010

Local organiser:

A. Al-Kutoubi, Beirut/LB

Topics and Faculty:

Focal liver lesions

A. Filippone, Chieti/IT

Fibropolycystic liver diseases

G. Brancatelli, Palermo/IT

CT Colonography: technical advances, indications and new perspectives

A. Laghi, Latina/IT

Pancreatic adenocarcinoma: MDCT vs. MR imaging

C. Triantopoulou, Athens/GR

CT enterography (CTE) in Crohn's disease

N. Khoury, Beirut/LB

MR imaging of the small bowel

N. Gourtsoyiannis, Heraklion/GR

Cirrhosis and hepatocellular carcinoma

I. Bargellini, Pisa/IT

Imaging renal tumours

N. Al Nakshabandi, Riyadh/SA

Optimised MDCT and MDCTA protocols of the abdomen

C. Catalano, Rome/IT

Number of participants: 65

Country statistics:

Bahrain 2, Egypt 2, France 1, Jordan 6, Kuwait 1, Lebanon 28, Libya 7, Russian Federation 1, Saudi Arabia 10, Syria 3, Ukraine 1, United Arab Emirates 3

Advanced Ultrasound and Contrast Enhanced Ultrasound

Seoul/Korea; November 5-6, 2010

Local organiser:

B. Ihn Choi, Seoul/KR

Topics and Faculty:

Technical advances in ultrasound (including elastography, 3D and 4D imaging)

M. Claudon, Nancy/FR

CEUS: fundamentals protocols and quantification

N. Lassau, Villejuif/FR

Liver: US and CEUS of focal liver lesions (FLL): diagnosis in non-cirrhotic liver

L. Solbiati, Busto Arsizio/IT

Liver: US and CEUS of focal liver lesions (FLL): diagnosis in cirrhotic liver

B.I. Choi, Seoul/KR

CEUS of FLL: intraoperative, ablations, chemotherapy

L. Solbiati, Busto Arsizio/IT

Liver: US and CEUS of diffuse lesions, liver transplantation, etc.

P. Sidhu, London/UK

CEUS of the spleen and pancreas

M. D'Onofrio, Verona/IT

CEUS of the kidney

M. Claudon, Nancy/FR

Macrovasculature

D. Clevert, London/UK

Number of participants: 95

Country statistics:

Japan 1, Korea 91, Singapore 1, Switzerland 2

ESMRMB School of MRI

Creating educational ties and partnerships with other societies in the broader domain of imaging is a key feature of the ESOR philosophy. In 2008 such partnership has been successfully built up with the School of MRI course programme 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 and offers Applied MR Techniques at courses basic and advanced levels as well as Advanced Clinical Courses. 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 2010 ten School of MRI courses took place, with altogether 541 participants from 51 different countries. Besides reduced registration fees for ESR and ESMRMB members as well as students and residents in training, the School of MRI offers a support programme in cooperation with its exclusive sponsor Bayer Schering Pharma AG. In 2010 29 grants have been provided to residents from less developed countries offering them free registration to the course as well as a contribution to travel and lodging.

Thanks to the continuing support of the sponsor of the School of MRI course programme, the commitment of the organisers and speakers, the ESMRMB is able to organise the 100th School of MRI course in 2011.

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	No of participants
Clinical fMRI & DTI - Theory and Practice	Milan/IT	May 27-29	68
Advanced Neuro Imaging: Diffusion, Perfusion, Spectroscopy	Oslo/NO	June 3-6	47
Advanced Cardiac MR Imaging	Hamburg/DE	September 2-4	39
Advanced MR Imaging of the Musculoskeletal System	Ghent/BE	September 2-4	60
Applied MR Techniques, Advanced Course	Ljubljana/SI	September 23-25	50
Advanced Breast & Pelvis MR Imaging	Verona/IT	September 23-25	56
Advanced MR Imaging of the Chest	Rome/IT	September 30 - October 2	47
Advanced Head & Neck MR Imaging	Istanbul/TR	October 14-16	55
Advanced MR Imaging of the Abdomen	Seville/ES	October 21-23	59
Advanced MR Imaging in Paediatric Radiology	Geneva/CH	November 18-20	60

European Course of Neuroradiology

Cooperation has been established with the European Society of Neuroradiology (ESNR) and its European Course in Diagnostic and Interventional Neuroradiology of Neuroradiology (ECNR) which are now part of the educational activities of ESOR. The 10th cycle was concluded with a course held on trauma/degenerative/metabolic/inflammatory diseases in spring with more than 190 participants. In autumn the 11th cycle started with a course on vascular diseases with more than 200 participants. A cycle consists of four courses, which lead to the ESNR diploma.

Course	Venue	Date	No of participants
Trauma/Degenerative/Metabolic/Inflammatory Diseases	Rome/IT	March 19-23, 2010	192
Embryology/Anatomy/Malformations/Genetics	Tarragona/ES	November 5-9, 2010	206

Tutorials

Three ESOR Graz Tutorials (former EAR tutorials), supported by Agfa, Nycomed and Siemens grants were organised by the University Clinic of Radiology of the Medical University of Graz, Austria, with R. Rienmüller as local organiser. The programmes were intended to further develop the experience of young radiologists, residents in their 4th or 5th year of training and board-certified radiologists dedicated to the application of the daily radiological routine; extensive theoretical knowledge on diagnostic and technical aspects, healthcare systems, hospital organisation and quality assurance was offered. Altogether 52 radiologists from Russia and CIS countries attended the tutorials.

Course	Date	No of participants
36 th ESOR Graz Tutorial (in partnership with Nycomed)	January 31–February 13	12
37 th ESOR Graz Tutorial (in partnership with Agfa)	June 28–July 9	20
38 th ESOR Graz Tutorial (in partnership with Siemens)	September 6–17	20

Visiting Seminars in China

AIMS - Advanced Imaging Multimodality Seminars

For already the fourth time the **Advanced Imaging Multimodality Seminars (AIMS)** were organised jointly with CSR and Bracco for Chinese radiologists. The six seminars took place in cities throughout China with 835 Chinese radiologists attending.

Cardiovascular Imaging

Shanghai - Wuhan - Hefei, April 12-16, 2010

CSR representatives:

Xiaoyuan Feng, Shanghai/CN
Quanfei Meng, Guangzhou/CN

ESR/ESOR representative:

Nicholas Gourtsoyannis, Heraklion/GR

Local chairmen:

Ji Qi, Tianjin/CN
Gansheng Feng, Wuhan/CN
Suisheng Zheng, Hefei/CN

Topics and Faculty:

Imaging coronary artery disease

Christian Loewe, Vienna/AT

MRI of non-ischemic heart disease

Luigi Natale, Rome/IT

MRI of ischemic heart disease: infarction, viability, function

Albert de Roos, Leiden/NL

Evaluation of chest pain by MDCT

Shiyuan Liu, Shanghai/CN

MRI of congenital heart disease

Ming Zhu, Shanghai/CN; Liming Xia, Wuhan/CN

The value of multi-slice CT angiography in the diagnosis of congenital heart disease

Ping Han, Wuhan/CN

Evaluation of chest pain by MDCT: Imaging and component analysis of coronary artery plaque—CT & MR study

Zhaoqi Zhang, Beijing/CN

MRI of congenital heart disease

Ming Zhu, Shanghai/CN

Biliary and pancreatic diseases

Tianjin - Zhenzhou - Chongqing, July 26-30, 2010

CSR representatives:

Qiyong Guo, Shenyang/CN
Cheng Zhou, Beijing/CN

ESR/ESOR representative:

Yves Menu, Paris/FR

Local chairmen:

Yunting Zhang, Tianjin/CN
Jingliang Chen, Zhengzhou/CN
Jiannong Zhao, Chongqing/CN

Topics and Faculty:

Adenocarcinoma of the pancreas

Yves Menu, Paris/FR

Functional imaging of the pancreas

Riccardo Manfredi, Verona/IT

Radiological Diagnosis of Hilar Cholangiocarcinoma

Qiyong Guo, Shenyang/CN

Differtential diagnosis of imaging:

Pancreatic tumors and pseudo-tumor lesions

Xiaopeng Zhang, Beijing/CN

CT features of intraductal papillary mucinous neoplasms of pancreas

Renju Bai, Tianjin/CN

Uncommon rare cases of pancreas pathology changes and imaging findings

Cheng Zhou, Beijing/CN

Imaging diagnosis of neoplasms of the extrahepatic biliary duct

Jianbo Gao, Zhengzhou/CN

The application of post-process technology for pancreatic occupying lesions in MSCT

Yinghui Ge, Zhengzhou/CN

MR Imaging diagnosis of cystic pancreatic lesions

Bin Song, Chengdu/CN

The clinical value of LAVA CE MR angiography in evaluating peri-pancreatic arteries

Jiannong Zhao, Chongqing/CN

Visiting Scholarship Programmes

Undoubtedly the **Visiting Scholarship Programmes** are some of the most popular programmes among residents in their 3rd, 4th or 5th year of training. It offers the unique chance to kick off an interest in a special field of radiology. Topics included Abdominal Radiology, Breast Imaging, Cardiac Imaging, Chest Imaging, Head and Neck Imaging, Molecular Imaging, Musculoskeletal Radiology, Neuroradiology, Oncologic Imaging, Paediatric Radiology, Urogenital Radiology, and Emergency Radiology. Again, more applications were received than in the year before. Consequently ESR increased the number of scholarships to 30. Almost 240 applications were received and finally 22 candidates from Europe and eight from outside Europe completed three-month trainings at volunteer reference centres in Europe. Each trainee received a grant from Bracco and ESR.

Again, the response to the announcement of two scholarships at the Memorial Sloan-Kettering Cancer Center (MSKCC) was overwhelming. Two young radiologists spent three months in New York with intense training in oncologic imaging, fully supported by MSKCC.

Visiting Scholarship Programme

My experience



Asim Afaq

The Royal Marsden NHS Foundation Trust, London/United Kingdom

Topic: Oncologic Imaging

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

The Memorial Sloan Kettering Cancer Centre (MSKCC) is a very large cancer centre based in Manhattan, New York City, USA. The radiology department is incredibly well organised with a large volume and remarkable range of clinical work with studies 'read out' with faculty members following initial review by one of the several fellows in the department. There is regular organised teaching for fellows, lectures from visiting faculty as well as a range of disease management meetings throughout the week. This is an amazing opportunity to develop knowledge and skills in oncological imaging at MSKCC.



Georgios Barmpalios

Hippokraton General Hospital, Thessaloniki/Greece

Topic: Paediatric Imaging

Training centre: Erasmus University Medical Centre, Rotterdam/The Netherlands

The time I spent at Sophia Children's Hospital of the Erasmus MC in Rotterdam proved to be an outstanding, unforgettable experience. During my three-months training I did not only have the opportunity to enhance my knowledge in paediatric radiology but was also privileged to work with renowned experts in the field, getting accustomed to advanced imaging modalities. I would like to express my gratitude to Dr. Maarten Lequin who was an inspiring, dedicated tutor; under his excellent guidance I was actively involved in reading-out sessions and multidisciplinary meetings while being included in a Clinical Research project. I also wish to warmly thank the rest of the staff and residents for sharing their skills and expertise with me. Undeniably, my participation at the ESR Visiting Scholarship Programme has been an enriching experience that further intensified my determination to continue training in paediatric radiology.

Visiting Scholarship Programme

My experience



Livia Bernardin

University Hospital G.B. Rossi, Verona/Italy

Topic: Oncologic Imaging

Training centre: Barts and The Royal London Hospital NHS Trust, London/United Kingdom

When I applied for the ESOR Visiting Scholarship I could not imagine that it would become one of the most inspiring and exciting working experience in my life. I spent three months at Prof Reznek's Department of Oncologic Imaging at Barts and the Royal Hospital in London. I was fully involved in all the activities of the department, such as reporting sessions, multidisciplinary meetings and clinical research. Thanks to this experience I acquired new knowledge and skills regarding oncological imaging and I had the chance to work in a different way compared to my everyday activity in Italy. I have become more aware of the role of diagnostic imaging, especially in gynae-oncology. Now I can really understand the main questions a radiologist should answer and also know the best way of implementing it. I am deeply grateful to Prof. Reznek, Dr. Sahdev, Prof. Rockall and Dr. Liyanage for all the time they spent teaching me. I leave London with new knowledge, new professional relationships and new friends. Thank you again for this opportunity.



Deniz Bulja

Clinical Centre of Sarajevo University, Sarajevo/Bosnia and Herzegovina

Topic: Neuroradiology

Training centre: University Hospitals Leuven, Leuven/Belgium

Primary goal of my scholarship was to see how the members of the local staff perform and how they interpret CT's and MR's; this not only applies to routine pathology but also to the most difficult and rare cases. Furthermore I was interested in interventional radiology and I wanted to get an insight with respect to the organization of the department of neuroradiology.

My expectations were fulfilled in most of the cases since every day of my scholarship period I had the chance of seeing an average of 30 MR's and 30 CT's. I also was able to discuss the interpretation with the staff members of the department of Neuroradiology. Thanks to Professor Wilms, my dedicated tutor, who introduced me to people in charge of running the Magnetic Resonance Imaging Center of UZ Leuven where I got the basics and gradually over time a very deep insight into functional MRI which I did not really in advance. I was involved in every neurointerventional procedure that took place during the period of my scholarship.

For me personally this is probably one of the most impressive and profound professional experiences in my life and certainly it is going to be one of the determining factors having an impact on my professional career.

Visiting Scholarship Programme

My experience



Bella Chamokova

Federal Center of Medicine and Rehabilitation, Moscow/Russian Federation

Topic: Neuroradiology

Training centre: Antwerp University Hospital, Antwerp/Belgium

The ESOR Visiting Scholarship was a unique chance to expand my knowledge in the area of neuroradiology during three-months training at the Department of Radiology of the Antwerp University Hospital. My mentor was a superb radiologist, Professor Paul M. Parizel. He is not only highly professional but also an erudite person who likes to share his experience with others and encourage young specialists to do their best, never stopping at the point of accomplishment that has been reached. The highly qualified staff of the Radiology Department of UZA and its state-of-the-art equipment provided an excellent opportunity for me to improve my professional skills and fulfil all my expectations. Participating in daily routine work, attending interdisciplinary conferences, listening to lectures and being involved in research gave me a comprehensive understanding of the subject in the field. The most impressive and interesting experience for me was the interpretation of complicated cases and their thorough explanation by Professor Paul M. Parizel. I would like to express my deep gratitude and profound thanks to ESOR and Professor Paul M. Parizel for granting me the privilege to acquire new knowledge and live through an unforgettable experience.



Pim de Jong

University Medical Center Utrecht, Utrecht/Netherlands

Topic: Chest Imaging

Training centre: University Hospitals Leuven, Leuven/Belgium

From October 1st until December 31st 2010 I attended the ESOR Visiting Scholarship Programme on chest imaging at the University Hospital in Leuven mentored by Prof. Dr. J.A. Verschakelen. During these months I studied an extensive chest radiology teaching file and many historical pathologically or microbiologically 'proven' cases or cases where a consensus diagnosis was reached. Moreover, I was involved in the daily supervision and discussion of chest examinations, the training sessions at the department and the clinical rounds. The ESOR Visiting Scholarship Programme made this exposure to radiology in a foreign country possible, especially because it included experts in the field of chest imaging and chest medicine. All these privileges contributed highly to my development as a chest imager.

Visiting Scholarship Programme

My experience



Efstathios Detorakis

University Hospital of Iraklion, Iraklion/Greece

Topic: Cardiac Imaging

Training centre: Hôpital Lariboisière, Paris/France

The ESOR Visiting Scholarship Programme gave me the chance to spend an "enlightening period" dedicated to cardiac imaging in the city of light, Paris. From September until December 2010 I had the opportunity to be trained in cardiac imaging with my tutor Marc Sirol and other highly professional radiologists at Lariboisière Hospital. Training was based on cardiac and vascular CT and MRI examinations. My educational programme went beyond this since I was able to attend cardiology and radiology department educational meetings as well as coronary angiography and cardiac ultrasound examinations in order to obtain a more complete knowledge about cardiac imaging. Furthermore, living in a country as amazing as France is a personally enriching experience. I would like to thank ESOR for making this unforgettable experience a reality and I highly encourage every resident to apply for the 2011 ESOR Visiting Scholarship Programme.



Hassan Douis

Birmingham Heartlands Hospital, Birmingham/United Kingdom

Topic: Musculoskeletal Radiology

Training centre: Ludwig-Maximilians-University, Munich/Germany

I truly enjoyed my experience working in a centre of excellence such as the Ludwig-Maximilians-University hospital (LMU). During my 3-months stay I predominately spent my time in the MRI-department where I learned a vast amount about musculoskeletal MRI and whole body MRI since I was able to report results of MRI examinations on my own. Furthermore, I also was even allowed to report hepatobiliary and abdominal MRI-scans. As I am fluent in German, I also actively participated in multidisciplinary team meetings, in morning lectures and in the daily discussions with clinicians and fellow radiologists. I was inspired by the radiology department of the LMU as it serves as a shining example of how clinical work and research can be very successfully combined. On a personal note I made new friends in Munich and I am keen to stay in contact with them in the future. I would like to thank Professor Reiser for accommodating me in his department and Professor Baur-Melnyk for organizing this scholarship. I also would like to thank the brilliant consultants of the MRI-department, Dr Theisen, Dr Ertl-Wagner, Dr Nicolaou and Dr Kramer for their great teaching qualities and the brilliant and unforgettable time I had with them. Based on my personal experience, I can only recommend this scholarship at the LMU.

Visiting Scholarship Programme

My experience



Slavco Ivanoski

Special Hospital for Orthopaedic Surgery and Traumatology St. Erasmo, Ohrid/Macedonia
Topic: Musculoskeletal Radiology
Training centre: Saint-Antoine Hospital, Paris/France

Staying for three months at the Saint-Antoine Hospital was an outstanding and unique experience. Having a chance to learn from some of the greatest experts in the field of musculoskeletal imaging and thus expanding my knowledge about musculoskeletal MRI, CT, ultrasound and interventional procedures as well as ultrasound and CT-guided biopsies greatly exceeded my expectations of the scholarship programme. The knowledge I gained there will be very helpful in my every-day practice. All the staff members at St. Antoine were very kind and helpful, I was accepted as a part of the team and I really felt at home. I would specially like to thank D-r Anne Miquel and D-r Catherine Phan for being more than just excellent mentors (and patient answerers to all my questions). St. Antoine is a hospital I would warmly recommend to anyone who plans a scholarship in musculoskeletal imaging.



Ivana Kopecka

University Hospital Sv. Cyrila a Metoda, Bratislava/Slovakia
Topic: Musculoskeletal Radiology
Training centre: Imperial College NHS Trust - St. Mary's Hospital Campus, London/United Kingdom

The ESOR Visiting Scholarship Programme is an excellent, unique and unforgettable opportunity for radiology residents to experience a subspecialty training of their choice in one of the most prestigious centers. I am very delighted I was able to be a part of this programme, and participated in MSK training at St. Mary's Hospital, Imperial College in London. I would like to express my gratitude to Professor Wady Gedroyc and his team who welcomed me in the department and shared their precious time and knowledge with me. My special thanks belong to my main tutors Dr. Elizabeth Dick and Dr. Miny Walker who are excellent and exceptional professionals and teachers in the field of MSK Radiology; they have shown me the beauty of it. We spent countless hours reporting interesting cases – from conventional radiography, ultrasound, CT and MRI and also performing ultrasound-guided injections. An invaluable amount of knowledge and "radiology secrets" were obtained at different multidisciplinary meetings and teaching sessions. Many thanks to Dr. Monica Khana, Dr. Afshin Alavi, and other consultants and registrars in the department for making my time such a great learning experience. This scholarship experience exceeded my expectations considerably and I am delighted I could implement my new skills at my hospital. Last but not least, I would like to thank ESOR, ESR and Bracco for fulfilling our dreams in becoming better and more knowledgeable radiologists.

Visiting Scholarship Programme

My experience



Jaanika Kumm

Tartu University Clinics, Tartu/Estonia

Topic: Abdominal Radiology

Training centre: Skåne University Hospital, Malmö/Sweden

The ESOR Visiting Scholarship Programme at the University Hospital in Malmö has given me a unique opportunity to improve my knowledge in the field of abdominal imaging. I was fortunate to be mentored by the highly skilled and enthusiastic team of radiologists and supervised by Professor Olle Ekberg. Working with experts in the field, following them through daily routine, attending interdisciplinary conferences and academic lectures, gave me a deeper insight into abdominal radiology. The scholarship offered an excellent opportunity to improve my knowledge, especially in the state-of-art abdominal MR and CT examinations. I would like to express my sincere gratitude to ESOR, Professor Olle Ekberg and to the wonderful team of radiologists in Malmö!



Irene Kyratzi

Evangelismos Hospital, Athens/Greece

Topic: Abdominal Radiology

Training centre: Hôpital Erasme, Brussels/Belgium

I was delighted to be selected as a participant in the ESOR Visiting Scholarship Programme of 2010, giving me a chance to spend three months at the department of radiology of Hôpital Erasme in Brussels. There I had the pleasure and honour to work side by side with Professor Celso Matos and his experienced staff in their everyday practice of abdominal radiology. I followed the programme of residents' seminars, as well as a weekly tour for the study of the pancreas - composed of radiologists, gastroenterologists, surgeons and pathologists, which I found very didactic. This programme has really fulfilled all my expectations. A special thanks to ESOR, Bracco, Hôpital Erasme and Professor Matos for making it an extremely educational and unforgettable experience.

Visiting Scholarship Programme

My experience



Andrei Lebovici

Emergency Clinical County Hospital, Cluj/Romania

Topic: Urogenital Radiology

Training centre: Medical University of Innsbruck, Innsbruck/Austria

Between September and November 2010 I was part of the ESOR Visiting Scholarship Programme for radiologists at Innsbruck's Medical University Hospital.

I had the privilege to learn from two outstanding radiologists, Prof. Dr. Ferdinand Frauscher and Dr. Fritz Aigner, giving me a chance to receive all the benefits from their skills. Furthermore, I was sent to the ESUR meeting in Bruges/BE and also had a presentation at the Elasticity Conference in Salt Lake City/USA. These meetings gave me the chance to improve my experience and knowledge and also to meet many specialists in uro-radiology to whom I established close connections. I enjoyed every day of the work at the clinic that included the whole spectrum of examinations in radiology and a lot of research in prostate cancer, obtaining very good results. The daily discussions with Prof. Frauscher and Dr. Aigner helped me a great deal in achieving these results. I would like to thank ESOR and Bracco for this opportunity and special thanks to Prof. Dr. Ferdinand Frauscher and Dr. Fritz Aigner for the skills they passed on to me but also for their friendship and hospitality. Last but not least I want to mention the joy of spending a wonderful time in the beautiful city of Innsbruck and in the splendid surroundings of Tyrol.



Gergely Léránt

National Institute of Oncology, Budapest/Hungary

Topic: Head and Neck Radiology

Training centre: University Hospitals Leuven, Leuven/Belgium

My stay at the Catholic University at Leuven was exceptionally well organized right from the beginning. I got access to the hospital's PACS system, was able to look at the daily routine cases on my own and in the afternoons we discussed the results with my tutor Prof. Robert Hermans. I had the chance to get an insight into more than 600 individual cases. Prof. Hermans also owns a collection of more than 400 fascinating and absorbing head and neck cases from which I was able to profit a great deal. I had the opportunity to study the state-of-the-art functional imaging techniques and methods in head and neck radiology, such as the diffusion-weighted imaging. During my stay I also participated in the 4th Leuven Course on Head and Neck Cancer Imaging, organized by Prof. Hermans. This unique opportunity of studying at Leuven for 3 months was one of the most illuminating experiences in my life. I am more than grateful to my teacher Prof. Robert Hermans who is not just the most outstanding specialist in his field but also a real gentleman. I would like to express many thanks to the whole ESOR team offering me this unique possibility to further expand my knowledge in this field.

Visiting Scholarship Programme

My experience



Marius Mayerhöfer

Medical University of Vienna, Vienna/Austria

Topic: Oncologic Imaging

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

The three-months ESOR Visiting Scholarship in oncologic imaging at the University Department of Radiology at Addenbrooke's Hospital provided me with a great opportunity to further enhance both my practical skills and my theoretical knowledge in this specialist area of radiology. The training program was extremely well-structured and focused on state-of-the-art cross-sectional imaging techniques, including not only CT and MRI but also PET/CT. I particularly enjoyed the daily multi-disciplinary meetings in which radiologists, surgeons, oncologists, pathologists, as well as other clinicians participated. I also had plenty of time to discuss a variety of clinical cases with distinguished authorities in this field, such as Professor David Lomas and Professor Adrian Dixon who are truly great teachers. The weekly forum during which lectures by renowned national and international experts were given, was another highlight for me. In summary, my time in Cambridge can be described as a fantastic professional experience and I can wholeheartedly recommend this ESOR Visiting Scholarship to any young radiologist looking to improve his skills in a world-famous and academically stimulating setting.



Maria Carla Mingote

Hospital Italiano de la Ciudad de Buenos Aires, Buenos Aires/Argentina

Topic: Urogenital Radiology

Training centre: Policlinico Gemelli-Catholic University, Rome/Italy

During my training period I followed my tutor in her everyday activities which consisted of MRI and CT reports involving genitourinary pathology. Via Contrast Media X-Ray exams I actively participated in every procedure, sharing my experience with residents from this institute. I learned about the Hysterosalpingography technique, using a different tool than the one we use in my hospital in Buenos Aires. Once a week we had ultrasound examinations, carried out by myself and then corrected by my tutor who was present in every study. I also learned how to interpret ENDORECTAL US.

I participated in academic activities that involved the residents. I attended a special class about molecular images performed by an Italian physician working in USA (Dott. Alberto Spinazzi- Top Manager Bracco Italia). I also took part in the "REUNIONI" meetings held daily at midday which is obligatory for the residents also of other specialties where difficult cases sometimes also of subspecialties (abdomen, vascular, head and neck, GU, emergency, etc.) are discussed. I participated in the academic activities of my tutor, doing special research involving the protocols set up at Policlinico Gemelli. At the end of "doing the rounds", there was a special course about imaging of female and male pelvis pathology in which I participated.

In summary, I actively studied every technique (MRI, CT, X-Ray, US) and learned a lot from my tutor's reports. She shared her experience with me and taught me to use many new "tools" that I will take back to my hospital to share with my colleagues. Yet most of all, I felt like at home during my stay. The residents, the technicians, the physicians and above all the Head of the Department and my tutor treated me like a peer and were extremely kind to me. I found in this hospital an excellent working climate, hospitality and a huge amount of knowledge. My experience here is more than positive. My feelings toward all of the persons I worked with can only be expressed by one word: GRATITUDE

Visiting Scholarship Programme

My experience



Paraskevi Mintzopoulou

University Hospital of Alexandroupoulos, Alexandroupoulos/Greece

Topic: Chest Imaging

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

Thanks to the ESOR Visiting Scholarship Programme I was able to spend three months at the Department of Chest Imaging at the hospital Vall D'Hebron in Barcelona. Surely a unique opportunity to check and improve my knowledge in chest imaging with a state-of-the-art advanced imaging equipment as well as an opportunity to establish further knowledge in other aspects of general radiology and cardiac imaging. My sincere gratitude to my wonderful tutor Dra Esther Pallisa as well as to Dr Jordi Andreu, to Prof. José Caceres and to the rest of the staff who, despite their busy schedule, were always willing to share their knowledge with me. I would like to encourage everyone to apply for an ESOR Visiting Scholarship since it is a unique experience in both professional and personal aspects.



Hanief Moosa

Chris Hani Baragwanath Hospital, Johannesburg/South Africa

Topic: Musculoskeletal Radiology

Training centre: University Hospital of Strasbourg, Strasbourg/France

Working in a state-of-the-art centre of excellence certainly has been amongst the best 3 months of my life and has helped me to develop both professionally and personally. Having only read about any of the MSK interventional procedures prior to my stay in Strasbourg (rather than practice it), Professor Afshin Gangi and his team went out of their way to teach me all that they could, theoretically and practically, up to a point where I am now confident in performing these procedures on my own. I also wish to thank Dr Julien Garnon and Dr Xavier Buy for their guidance and tutelage, for their patience and their desire to teach me. All this was most helpful to me and greatly to my benefit.

Professor Gangi's natural ability to motivate staff (and patients) while providing healthcare par excellence, innovating and designing new techniques and equipment for the sole benefit of improved patient care, has been truly inspiring and has taught me much about leadership in the radiology workplace as well. Furthermore, the everlasting friendships established along the way, the chance to learn some French and the intercultural experience has been truly memorable. The ESOR Visiting Scholarship has sparked a personal desire in me to sub-specialize. Thank you ESOR and Bracco for affording me this opportunity to fulfil a dream. I now look forward to sharing and implementing my newly-learned skills for the benefit of the South African population.

Visiting Scholarship Programme

My experience



Ricardo Moutinho

Faro Hospital, Faro/Portugal

Topic: Chest Imaging

Training centre: Hôpital Pitié-Salpêtrière, Paris/France

Since only sharing acquired knowledge guarantees the continuity and evolution of radiological diagnosis, I found in the group of Prof. Grenier a highly motivated team to teach and work with me, making me feel practically like a local resident from the first day of my arrival. Due to the orientation of Dra Beigelman and Prof. Grenier, I gained an in-depth understanding of chest imaging, preparing me for my future working life. The chance of living and working in a city like Paris and in one of the leading European radiological departments makes this scholarship an irresistible experience for all starting radiologists.



Christine Ojango

North Estonian Medical Center (PERH), Tallinn/Estonia

Topic: Neuroradiology

Training centre: Second University of Naples, Naples/Italy

I was delighted to receive the ESOR Visiting Scholarship to attend the neuroradiological centre of the Second University of Naples, Italy. This stay gave me an excellent opportunity to study neuroradiological investigations and take part in a specific research project. The project involved the investigation of patients with amyotrophic lateral sclerosis (ALS), using the advanced MRI technique of DTI. I received a detailed overview about ALS patients, the analyses and interpretation of DTI images. The internship offered me gaining experience in neuroradiology and in research. I can make good use of this combination in my future studies.



Adam Perenyi

University of Szeged, Albert Szent-Györgyi Medical and Pharmaceutical Center, Szeged/Hungary

Topic: Abdominal Radiology

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

The ESOR Visiting Scholarship at the Leicester General Hospital provided me with an unique opportunity to gain experience both in the traditional and the most recent methods of abdominal imaging, including PET-CT. I followed the daily workflow of highly experienced consultants, discussed plenty of cases with rare and interesting pathology and report studies of all modalities. I was impressed by the cooperation of specialists of different clinical fields at the numerous multidisciplinary meetings. I express my gratitude to my tutor Dr Rajesh and his colleagues Dr Verma, Dr Tyagi, Dr Mulcahy, Dr Griffin and others for their generous support and teaching. Special thanks to ESOR for making this fruitful visit possible. This period of my training has been the most intensive and the most unforgettable one so far.

Visiting Scholarship Programme

My experience



Paweł Poluha

Medical University in Lublin, Lublin/Poland

Topic: Neuroradiology

Training centre: Hospital Barcelona, Barcelona/Spain

Good times pass quickly and my three months scholarship with the Neuroradiology section of the Radiology Department at the Hospital in Barcelona zipped by in the blink of an eye. Having arrived there I was instantaneously submerged in everyday work of the department and treated as a "kingsman". Big hospital as it is and a huge database it has, gives one a great exposure to hundreds of interesting cases and a friendly atmosphere makes it sheer fun learning, despite the busy working hours. Gaining experience and observing the life at the Clinic from morning reports by ambitious residents to interdisciplinary meetings led by high class specialists gave me the feeling of the extremely well organized and managed medical centre, incessant in exploring, expanding and pursuing the means of the better education of junior doctors and cooperation between specialties. I'm very happy that I took part in the life of the department to which can testify my recently acquired, valued and cherished feeling of self-confidence and competence in the field of Neuroradiology.



Rodrigo Raurich Scheuch

Clínica Alemana, Santiago/Chile

Topic: Abdominal Radiology

Training centre: Hospital Barcelona, Barcelona/Spain

First of all I would like to thank you for this unforgettable opportunity. Throughout this three-months period, I was able to learn abdominal radiology from excellent mentors besides understanding the functioning of the radiology department as well as being able to meet with many residents from different countries and share their knowledge. This has been one of the most important chances in my career and I just could not be more thankful to ESOR and to the Hospital Clinic of Barcelona. I really think this is a great way to allow persons from non-European countries to learn live and observe a different perspective of radiology and I wish that many colleagues would be able to get the same chance.



Saša Rudolf

UKC Maribor, Maribor/Slovenia

Topic: Abdominal Radiology

Training centre: Medical University of Vienna, Vienna/Austria

The ESOR Visiting Scholarship Programme offered unique professional and personal experience to me. My expectations for broadening my knowledge in abdominal imaging were really high and I must admit they were utterly fulfilled at the General Hospital Vienna. I spent most of the day at MRI, improving in basics as well as getting familiar with new functional magnetic resonance imaging techniques. Engrossed in daily work, I was nevertheless able to attend numerous morning lectures. During several weekly multidisciplinary team meetings I was especially impressed by the admirable cooperation between radiologists and clinicians. I would like to express my gratitude to Prof. A. Ba-Ssalamah and dr. S. Magnaldi for accepting me as a part of the team and offering their invaluable experience in abdominal imaging.

Visiting Scholarship Programme

My experience



Berta Ruiz Morín

Hospital de Basurto, Bilbao/Spain

Topic: Neuroradiology

Training centre: Policlinico Gemelli-Catholic University, Rome/Italy

ESOR has given me the opportunity to make a dream come true! Working for three months in one of the best units of Neuroradiology has made me realize to what extent it is important to subspecialize in radiology and to emphasize co-operation between radiologists and clinicians. I worked every day with experts in the field, following them through their routine and attending interdisciplinary conferences that have given me a better understanding of the subject. In the same way that the Eternal City continues showing us the evolution of the history by being exposed to thousands of monuments, the A. Gemelli has provided me with a wide educational range - scanning through thousands of cases from the daily CT/MRI studies and the marvellous teaching file that has been established. Apart from digging into the Neuroradiological sector, I have equally enjoyed lots of activities focused on the residents' training in this School of Excellence. This experience has turned out to be very useful not only to learn about neurological imaging but also find out something about the organization of a department. And that is not all; I appreciated the incredible Italian food, learnt the language and met a lot of fantastic people. What else can I ask for?



Jesica Savluk

Hospital Italiano de Buenos Aires, Buenos Aires/Argentina

Topic: Abdominal Radiology

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

During my training period at Addenbrooke's hospital my main interest focused on imaging in relation to Gastrointestinal, Hepatobiliary and Gynaecological diseases. I attended all of the daily multidisciplinary team meetings on the topic of hepatobiliary malignancy, pancreas malignancy, upper GI malignancy, colorectal malignancy and liver disease. The latter included important debates about pre-and post transplant patients, focal liver lesions and metastatic disease. I participated in several academic activities, including tutorials every morning, and a Forum every Wednesday where an important guest speaker gave a very interesting lecture every week. My daily activities involved CT and MRI reports as well as ultrasound. I was supervised by my Tutor Dr N. Carroll, Dr Ashley Shaw as Head of CT, Professor David Lomas in MRI and CT, Professor Adrian Dixon as Head of the Academic Department and many other consultants. I specially want to stress how much I learned from Doctor Carroll about Endoscopic Ultrasound in diagnosing hepatobiliary and upper GI cancer. He shared his knowledge and experience with me and taught me many new techniques that I will take back to my hospital to share them with my colleagues. To sum up, I actively participated in applying every technique (MRI, CT, EUS, US) and learned a lot from the consultant's reports and the different MDTs. Everyone has been very kind and friendly, sharing their experience and knowledge with me, encouraging and supporting my professional and personal development. I am most grateful to both the ESOR and the Addenbrooke's hospital for all of these important training opportunities.

Visiting Scholarship Programme

My experience



Valeria Schonstedt Geldres

Hospital Clínico de la Universidad de Chile, Santiago/Chile

Topic: Neuroradiology

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

Thanks to the ESOR Visiting Scholarship, I did an internship at the Neuroradiology Unit at Vall d' Hebron Hospital, Barcelona under the supervision of Doctor Alex Rovira. During this period of training I had the chance to perform and interpret MRIs of the most varied neurological pathologies. I also participated in meetings and seminars and, most notably, I attended the European Course of Neuroradiology in Tarragona, Spain. In addition to this, I took part in a research project in multiple sclerosis which is one of the main research topics in Vall d'Hebron Hospital. This scholarship has been a great experience and I am so grateful for the opportunity ESOR gave me and for the warm welcoming at Vall d'Hebron Hospital. I would also like to thank my tutors at the Radiology Unit at Hospital Clínico Universidad de Chile for their constant support.



Nina Shishkina

N.N. Blokhin Russian Cancer Research Center, Moscow/Russian Federation

Topic: Oncologic Imaging

Training centre: Medical University of Innsbruck, Innsbruck/Austria

I was very happy and proud to know about my acceptance as participant in the ESOR Visiting Scholarship Programme, spending three months at the Radiology Department of the Innsbruck Medical University. I am very grateful to ESOR for giving me this chance. This opportunity was very valuable for me because it made it possible for me to expand my knowledge in the different applicable modalities used in oncologic imaging, including PET/CT that I had never seen before. I also had the chance to improve my knowledge in emergency cardiovascular and musculoskeletal radiology, helping me to compare the Austrian radiology training and healthcare systems with ours. My thanks go to the many people at LKH who helped me, encouraged me and created a friendly atmosphere during my entire stay at the department. In particular, PD Michael Rieger, Prof. Eva-Maria Gassner and OA Dorothea Kendler who, despite their day-to-day schedules, shared their skills and experience with me, thus making it possible for me to discuss relevant matters and suggest ideas. What really amazed me were the Alps and the Tyrolean culture which made my stay unforgettable. I believe such a challenging experience will give me new impulses in the advancement of my professional radiological development.

Visiting Scholarship Programme

My experience



Muthyala Sreenivas

Hull Royal Infirmary, Hull/United Kingdom

Topic: Breast Imaging

Training centre: Medical University of Vienna, Vienna/Austria

As I had excellent training in breast imaging in the UK where there is an organised breast screening program, my overall breast imaging experience in Vienna was only fair; having said that my main purpose was to learn breast MR intervention which I was well satisfied with. Overall I had about 2 to 3 hours of concentrated teaching with my first mentor.



Ramanivas Sundareyan

Sree Mookambigai Medical College, Coimbatore/India

Topic: Emergency Radiology

Training centre: Hôpital Calmette - University Center of Lille, Lille/France

I am Ramanivas Sundareyan from India. I received the ESOR Visiting Scholarship in emergency radiology for the year 2010. I worked at the Hospital Calmette, Lille, France, under Prof. Martine Remy-Jardin.

This hospital campus encompasses services of emergency, cardiovascular and chest diseases. The radiology unit pertaining to these services is closely connected and they work in cooperation. Thus I got a great chance to observe the work related to these specialities during my stay in France. This place is particularly beneficial for a foreigner like me. I also had opportunities to observe hepato-biliary interventional procedures. It was a great opportunity to interact with my French colleagues and also profited from studying their attitudes. As the department includes people from various countries like Ireland, Italy, Morocco, Brazil and Madagascar, it also gave me a chance to improve my visional ideas regarding life in general and radiology in particular. Besides the professional advantages, I also had the chance to visit Paris, Vienna and Belgium. I met people from many countries at the hostel and it was great to share my visions and my knowledge with them. This experience was an unforgettable one for me.

Visiting Scholarship Programme

My experience



Marianna Telesca

Sapienza Università di Roma, Rome/Italy

Topic: Breast Imaging

Training centre: Barts and The Royal London Hospital NHS Trust, London/United Kingdom

These three months of breast training were an unforgettable and unique experience. I attended symptomatic and screening assessment clinics and I observed numerous interventional diagnostic procedures. I participated in a weekly multi-disciplinary meeting involving radiologists, surgeons, gynaecologists and pathologists and I had the chance to compare the histological results to the imaging findings, thus improving my understanding of breast cancer and its management. I had the opportunity to work in a friendly environment with a team of qualified radiologists led and supervised by my tutor Dr. Sarah Vinnicombe and with their help I gained precious experience in breast imaging. I will be forever grateful to ESOR for giving me the opportunity to both improve my know-how capabilities, my scientific knowledge in this field and at the same time get in touch with a different culture and a great city like London. Thank you!!



Wouter Veldhuis

University Medical Center Utrecht, Utrecht/The Netherlands

Topic: Oncologic Imaging

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

The partnership between the ESOR and the Memorial Sloan-Kettering Cancer Center in New York has resulted in a great Oncologic Imaging Scholarship. I found it to be a fantastic opportunity to immerse myself in a world where everyone knows and likes what they are doing and is willing to share that knowledge and fun. The focused, intense exposure to oncologic body imaging has been very rewarding: spending the day in the reading room, being able to read cases yourself before discussing them with one of the attendees really worked well. The rewards being not only numerous useful imaging pearls and disease factoids, but more importantly, also reading strategy and 'getting a feel for how it's done'. Without exception the fellows and attendee were very open to questions and willing to engage in discussion on any case whatsoever. I wish I could keep attending the body-fellow presentations on Tuesday and will miss the body-imaging lecture every Thursday morning even more. It was a pleasure being at the MSKCC!

Exchange Programmes for Fellowships

In partnership with the European subspecialty societies, ESOR has organised several subspecialty **Exchange Programmes for Fellowships**, which are aimed at rounding off educational requirements for subspecialty fellowships. ESOR was very happy that in 2010 further subspecialties came on board. Thus, 23 programmes could be realised including abdominal imaging (ESGAR – 5 trainees), breast imaging (EUSOBI – 2 trainees), cardiac imaging (ESCR – 5 trainees), head and neck imaging (ESHNR – 3 trainees), neuroradiology (ESNR – 5 trainees) and paediatric imaging (ESPR – 3 trainees). In total 95 young radiologists had applied. The 23 successful trainees entered three months of intense subspecialty training at major European reference training centres. With this engagement major steps are taken towards the development of subspecialty fellowships in radiology through proper and structured training.

Exchange Programme for Abdominal Imaging Fellowship

My experience



Radoslav Bielik

University Hospital, Banska Bystrica/Slovakia
Training centre: Derriford Hospital, Plymouth/United Kingdom

Large cutting-edge hospital, liver centre, professional level, source of new knowledge provided every day, friendly, personal attitude. Excellent cooperation, training and management plus exceptional location beside the sea, historical importance (Francis Drake, Robert Scott) and Royal Naval Base. In addition, hilly terrain, picturesque coastline and surrounding countryside, making it a perfect setting. This encompasses Plymouth and Derriford hospitals. I spent a great 3 months; both professionally and personally it exceeded my expectations. I do believe it will reflect positively on my future practice and professional development and it will also have an impact on the work of my local radiology department.



Giedre Kavaliauskiene

Kaunas Medical University Hospital, Kaunas/Lithuania
Training centre: Academic Medical Center, Amsterdam/The Netherlands

The ESOR Visiting Scholarship Programme at the Academic Medical Center of Amsterdam provided me with a unique opportunity to increase my knowledge and practical skills in abdominal imaging. It was a pleasure to be involved in the department routine work together with experts in their field. Every day was full of interesting and challenging cases hardly imaginable in smaller hospitals' routine work. I was also given an opportunity to participate in daily multidisciplinary meetings with clinicians and academic lecturers.

My profound thanks to all the staff of the MC radiology department, especially my tutors J. Stoker and C.Y. Nio for their willingness to teach me and share their practical skills. I would like to thank ESR and ESGAR for organizing such programs that assure invaluable professional experience for young radiologists and provide a broad background for their future career.

Exchange Programme for Abdominal Imaging Fellowship

My experience



Jasmina Kovacevic

Zdravstveni centar Valjevo, Valjevo/Serbia
Training centre: Ospedale Ca' Foncello, Treviso/Italy

I would like to thank you for the opportunity you gave me to be a part of the ESR/ESGAR Exchange Programme in abdominal imaging in Ospedale Ca Foncello, Teviso, tutor Dr Giovanni Morana. I improved my skills in MRI of the abdomen, seeing rare cases, some examination methods that I'm not familiar with. The most valuable experience was the active way of learning through discussions with Dr. Morana.

I am impressed with the ward organization, with the departmental division and way they work as well as with the PACS and information system they use.

Therefore after my arrival back from Treviso I have lots of suggestions for improving the Radiology ward at the hospital I work – applying to both radiologists and our patients.

This stay was a wonderful opportunity to meet interesting people and to make friends.

For young radiologists and residents, especially for doctors from small countries, it is a valuable experience to share knowledge and take forward steps in the right direction.



Rana Mehsen

Medical College/Babylon University, Babil/Iraq
Training centre: University Hospital Maastricht, Maastricht/The Netherlands

The period of my abdominal imaging fellowship ran from middle of August to the middle of November 2010. I was based in an academic centre with well developed and active research interests and have had extensive exposure to the department's cross sectional abdominal imaging work and the interaction of abdominal radiologists with the relevant medical and surgical specialties - with excellent access to CT Colonography and Magnetic Resonance Enterography case archives.

At the hospital I had the great opportunity to personally meet Prof. R.G.H. Beets-Tan. She is a great and friendly person, she warmly welcomed me. The next days I was shown around the radiology department and got familiar with the facility, the workflow but also examination protocols and staff. From the very first minute I did not feel like an outsider because they involved me fully in their clinical activities. My fellowship visit was well planned by Prof. R.G.H. Beets-Tan and her staff with a schedule for each single day, including the schedule for CT/MRI cases and clinical conferences. The following weeks were packed with action and learning. Prof. R. G.H. Beets-Tan and her staff put together an impressive schedule of MR-/CT- and US examinations, interventional radiological procedures, and PET scan of the abdomen; the most important part of my training was that I had the opportunity to take part in the research activities of Prof. R .G.H. Beets-Tan's research team. We worked together on two research projects in MRI, diagnosing rectal cancer.

I shared the great experience to report different cases in cross sectional abdominal images. Moreover, during my fellowship I was allowed to participate in some courses arranged by the radiology department.

In conclusion, I have to admit that I thoroughly enjoyed my 3 months fellowship at the Maastricht University Hospital with Prof. R G.H. Beets-Tan as my tutor. I greatly improved my knowledge in abdominal radiology, I felt that the staff warmly welcomed me and appreciated the difficulties I was faced with; they took great care to make me feel comfortable and to ensure maximal educational exposure.

Exchange Programme for Abdominal Imaging Fellowship

My experience



Jeremy Rabouhans

University Hospital, Mitcham/United Kingdom
Training centre: Saint-Antoine Hospital, Paris/France

I spent three wonderful months in Paris at Saint Antoine Hospital under the supervision of Professor Yves Menu and Dr Ana Ruiz where I was warmly welcomed into the department by all the staff.

There were many learning opportunities; daily resident teaching and twice daily staff meetings, and at the workstation reviewing MRI and CT cases where the staff were only too happy to share their knowledge and experience. I saw many varied cases and the hospital provided particular exposure to hepatobiliary and inflammatory bowel imaging. A great strength was the number of MRI cases performed, and the structured teaching methods for image interpretation. I had help with a small project which then led to an abstract submission.

I also got to experience a different style of departmental management and healthcare system, whilst taking all opportunities to enjoy living in Paris. My French language has greatly improved, as has my taste for good food and wine! The generous bursary provided by ESGAR/ESOR was very gratefully received.

The experiences gained here will be invaluable in my future career, but the friendships and links I have made will be the most important legacy of my fellowship. Therefore I would recommend the ESR Exchange Programme to anyone considering it.

Exchange Programme for Breast Imaging Fellowship

My experience



Despina Bibileishvili

Research Institute of Clinical Medicine, Tbilisi/Georgia
Training centre: Addenbrooke's Hospital, Cambridge/United Kingdom

I would like to thank EUSOBI and ESR/ESOR for providing me with the unique opportunity to broaden my radiological experience by visiting the Cambridge Breast Unit at the internationally renowned Addenbrooke's Hospital. The breast service is provided by a cohesive, highly motivated and superbly trained multidisciplinary team lead by Dr. Matthew Wallis. I was fortunate to be mentored by Dr. Ruchi Sinnatamby who is not only a distinguished and experienced radiologist but also a patient-caring physician. Following the daily routine of the staff and attending screening readings, symptomatic and screening assessment clinics, discrepancy meetings, multidisciplinary meetings, and observing a great number of interventional procedures; 80 US-guided core biopsies, 15 stereotactic biopsies and 25 needle localizations turned me into a better radiologist, more self-confident and knowledgeable. Special thanks go to Dr. Peter Britton for his excellent diagnostic and interventional skills, for his time and teaching as well as discussing each case in detail with me. I would like to express my gratitude to Dr. Sue Barter, Dr. Matthew Gaskarth, Dr. Penelope Moyle, Kathryn Taylor and Victoria Ames who, in spite of their busy schedule, spent time to share their experience with me.

Exchange Programme for Breast Imaging Fellowship

My experience



Dimitra Ntola

Theageneio Hospital of Thessaloniki, Thessaloniki/Greece

Training centre: IRCCS Policlinico San Donato / University of Milan School of Medicine, Milan/Italy

The ESR/EUSOBI Exchange Programme for Fellowships was a unique opportunity to expand my radiological knowledge, especially in the area of breast imaging. For the past 3 months I was privileged to work at a prestigious University Hospital in Milan with an excellent team of radiologists led by Professor Francesco Sardanelli. Focus was on modality techniques and protocols, follow-up patients, screening exams, interpreting different images (Mammography, Breast Ultrasound and Breast MRI) and invasive procedures (stereotactic biopsy, US-guided biopsy).

I would like to thank EUSOBI and ESR/ESOR once again for giving me this chance and I believe that this experience will significantly improve my everyday clinical and research practice. Many thanks also to Prof.F.Sardanelli, my tutors and many others specialists in the department for being so kind, supportive and scientifically competent during my training period in Milan.

Exchange Programme for Cardiac Imaging Fellowship

My experience



Ben Ariff

Hammersmith Hospital, London/United Kingdom

Training centre: Leiden University Medical Center, Leiden/The Netherlands

Leiden University Medical Centre provides a good exposure to cardiac imaging:

Cardiac CT (320 slice Toshiba Aquilion):

- Over 150 live contrast studies with review of each case on a dedicated workstation under supervision.
- Cases include assessment for electrophysiology studies, aortic valve stent and congenital heart disease.
- Attendance of in-house cardiac CT course.

Cardiac MR (1.5T Philips):

- Weekly assessment of adult congenital heart disease and cardiomyopathies
- Weekly adenosine/dobutamine stress CMR at Bronovo Hospital (1.5 T Siemens) and general CMR at Reinier de Graaf Hospital.

Review of MR cases together with cardiologists.

- Research on 1.5/3/7T MR with hands-on use of the MR consol.

Weekly interesting case review with cardiology allowing echocardiography and angiographic correlation.

Exchange Programme for Cardiac Imaging Fellowship

My experience



Patricia Carreno Moran

Complejo Universitario Salamanca, Salamanca/Spain
Training centre: University of Bangor, Gwynedd/United Kingdom

During my stay in Bangor, North Wales, I was shown the cardiovascular imaging techniques used by Professor Rees in his practice. I studied more than 150 cases, correlating them with other imaging modalities, achieving an overview of heart diseases in the area.

I was instructed in the use of segmentation software for a study examining early enhancement perfusion MR and cardiac BOLD imaging. Based on my experience, I have developed an educational poster to be submitted to the ECR 2011 Conference. During my visit I also attended the ESCR conference in Prague where I obtained the certificate in cardiac imaging.



Kristof de Smet

Universitair Ziekenhuis Brussel, Brussels/Belgium
Training centre: University Medical Center Groningen, Groningen/The Netherlands

The ESCR/ESOR Exchange Programme for Cardiac Imaging Fellowships has given me the great opportunity to spend three months at the Radiology Department of the UMC Groningen. I would like to underline the impact of this programme on my personal understanding of cardiac imaging. I consolidated my cardiac CT knowledge and learned how to perform and report many cardiac MR examinations. I was involved in the scanning, post-processing and reporting procedures. I also read cardiac CT and MRI examinations as part of the department's ongoing research. Special opportunities afforded to me were the assessment of congenital heart disease and the possibility to attend nuclear cardiac examinations. I am very grateful to Professor M. Oudkerk and Professor PMA Van Ooijen for having given me the opportunity to learn this multimodality approach to cardiac imaging. Special thanks go to Dr. M. Dekker, Dr. R. Vliegthart and Dr. D. Lubbers for the support given to me during the training period.



Luigia D'Errico

Università di Pisa, Pisa/Italy
Training centre: University of Basel, Basel/Switzerland

The Fellowship in Cardiac Imaging at the Unispital, Basel has offered me the special opportunity to complete a subspecialisation training program in this field of radiology in addition to improving my knowledge of the German language. The three-months fellowship has provided me with a complete multimodality training in cardiac imaging. During the first two weeks I reviewed some routine cases of myocardial scintigraphies in the nuclear medicine department as well as some cardiac ultrasound examinations and coronographies in the cardiology department.

The following weeks I focused my training on MR imaging, learning data handling and post-processing at different workstations. I reviewed at least 100 cardiac cases that required CT and mainly MRI evaluation under the supervision of a tutor. I had daily contacts with referring clinicians and twice a week I met with the cardiologists.

Exchange Programme for Cardiac Imaging Fellowship

My experience



Leyla Musayeva

National Oncology Center of Azerbaijan, Baku/Azerbaijan
Training centre: University of Leipzig - Heart Centre, Leipzig/Germany

I spent three wonderful months at the Heart Center - University of Leipzig, Germany. I am very grateful to my tutor Prof. Matthias Gutberlet and all his staff for the warm welcome I received at their department, for teaching and supporting me throughout my stay. Their friendliness and hospitality made me feel right at home in their department, I truly enjoyed every day. I took an active part in evaluations of cardiac CT and MRI cases on a daily basis. Furthermore, I had the unique opportunity to evaluate rare and noteworthy cases documented in the archives. As part of my fellowship, I was involved in an exciting research project and had a chance to join the ESCR 2010 Annual Scientific Meeting held in Prague. During my fellowship program I gained an outstanding theoretical and practical background knowledge in cardiac imaging which will undoubtedly help me in my future professional life. Sincere thanks to ESCR and ESR/ESOR for this unforgettable experience.

Exchange Programme for Head and Neck Imaging Fellowship

My experience



Sladjana Petrovic

Clinical Center Nis, Nis/Serbia
Training centre: University Hospital of Geneva, Geneva/Switzerland

My professional interests are predominantly focused in the field of head and neck radiology and I am trying to develop and improve my existing practical skills and to acquire new ones. It was of utmost importance for me to be trained abroad, especially to work with experts in the field of head and neck imaging. My daily activities in the Department of Radiology at the University hospital in Geneva included clinical work on different imaging modalities with particular focus on MRI, studying different imaging protocols, observing exams and participating in image interpretation. Working on PET MRI was a new experience for me, enabling me to acquire knowledge about indications, principles of work and image interpretation. During the day, I also had interactive discussions with my colleagues about some interesting and unusual cases. Weekly, there were two sessions held on tumoral and nontumoral pathology, meeting with the colleagues from ENT and other departments. These meetings included presentations of patient imaging, clinical findings presented by live video presentations and interactive discussions about treatment solutions. Other activities included teaching and the "journal club" with most important scientific news taken from articles on different topics from head and neck radiology. I also conducted a clinical research project involving MR sialography and clinical/imaging correlation in vestibular schwannoma under the supervision of Prof. Becker.

I believe that the visit and training in Geneva will contribute to my professional development and work in the area of head and neck imaging, improving my professional career and my practical skills, especially in the MRI diagnosis of head and neck. I would like to thank Prof. Becker and her colleagues for their cooperation and warm reception and I hope that this visit will open the door to further successful cooperation between medical professionals.

Exchange Programme for Head and Neck Imaging Fellowship

My experience



Benjamin Rock

Derriford Hospital, Plymouth/United Kingdom

Training centre: Hôpital de Hautepierre, Strasbourg/France

The ESR/ESHNR Fellowship Exchange Programme gave me the opportunity to undertake 3 months of specialist training at an international head and neck imaging centre of excellence. I expanded my existing knowledge and understanding of head and neck pathology and anatomy, gained skills in head and neck image manipulation, and obtained experience in evolving techniques such as the use of 3 Tesla MRI to image the labyrinth; characterization of parotid lesions using dynamic contrast enhancement; and the use of cone beam CT in dental and sinonasal imaging. The high caseload meant I gained exposure to a wide range of pathology, and I also gained insight into an alternate healthcare delivery system to that of the UK. I am extremely grateful to Professor Veillon and his team at the Hôpital de Hautepierre, and to ESR and ESHNR, for having given me this opportunity; I know it will have a significant positive impact on my future practise.



Riste Saat

Meilahti Hospital, Helsinki/Finland

Training centre: Medical University of Vienna, Vienna/Austria

My training in the friendly environment of AKH Vienna was mainly concentrated on cross-sectional imaging. I could daily review all CT and MRI studies performed in the field of H&N and had access to interesting cases from the PACS archive. I had the opportunity to take part at clinical board meetings (ENT, maxillofacial surgery and interdisciplinary tumour meetings) as well as related courses and lectures organized jointly by the radiology department and the medical faculty. Personally the most beneficial experience for me was dental imaging and congenital pathologies. My special gratitude, in addition to ESR and ESHNR, goes to Prof. A. Gahleitner from the department of dental radiology and to Prof. D. Prayer for giving me access to their enormous fetal MRI archive; and above all, I owe special thanks to my personal tutor Prof. C. Czerny for his advice, commitment and effort to make it all work.

Exchange Programme for Neuroradiology Fellowship

My experience



Ahmed Abdelwahed

Ain Shams University Hospital/Egypt
Training centre: Royal Hallamshire Hospital, Sheffield Teaching Hospitals NHS Trust,
Sheffield/United Kingdom

The ESR/ESNR Exchange Programme for Neuroradiology has offered me the opportunity to spend three months at the Department of Radiology at the Royal Hallamshire Hospital in Sheffield.

From the first moment, I was competently guided by Dr. Charles Romanowski through the Department of Neuroradiology and he quickly arranged a PACS access for me so that I became fully involved in neuroradiology imaging from the first day. I attended several tutorials and lectures held in the department. I was also given the chance to participate in basic research work. Another great chance was the participation in several daily multidisciplinary team meetings which emphasized the importance of teamwork. Particularly impressive was the cooperation between radiologists and clinicians (neurosurgeons, neurologists and oncologists).

I would like to sincerely thank ESR and ESNR for making this unique professional and personal experience possible for me, offering the rare chance of learning the British way of managing radiology. I am also grateful to Dr. Romanowski for the experience, support and enthusiasm he shared with me.



Babatunde Aremu

University of Ilorin Teaching Hospital, Ilorin/Nigeria
Training centre: Université catholique de Louvain, Brussels/Belgium

My name is Issa Babatunde AREMU, M.D. from the University of Ilorin Teaching Hospital, Nigeria. I started my ESR/ESNR Neuroradiology training on October 15th, 2010 at the Cliniques Universitaires Saint-Luc of the Université Catholique de Louvain (UCL) in Brussels, Belgium. It is planned to end on January 15th, 2011. My tutor is Pr. Duprez Thierry, M.D. Radiologist

On arrival, I was conferred the status of "Medecin Visiteur"(Visiting Doctor) which gives me access to all facilities in the hospital including a white blouse and a name tag, a log in password to medical databases, image archive and communication system as well as other computer systems within the hospital. I am fully integrated into the daily clinical activities within the department, daily work starting at 8:00 am in the morning. I have the opportunity to see interesting cases and learn new imaging techniques in MRI, such as Diffusion-MRI, Perfusion- MRI and MRI spectroscopy. I am fascinated by Diffusion tensor imaging (DTI), and I found Cone beam Computed Tomography (CBCT) and Intraoperative MRI studies very interesting. CBCT utilizes low radiation doses and the images are typically visualized in the standardized MPR (Multiplanar Reformatted) mode, a post processing technique that reconstructs orthogonal slices (Axial, Coronal and Sagittal) from an acquired 3D volume. This technique can now be implemented in developing countries for the examination of Paranasal Sinuses, especially in children and for Dental Scans. I have so far participated in two educative multispecialty and international seminars hosted by UCL.

I was also involved in data acquisition and data processing in ongoing research work within the radiology department, such as the measurement of cerebrospinal fluid flow dynamics in the brain. My training period has been productive and rewarding.

Exchange Programme for Neuroradiology Fellowship

My experience



Ana Casado Lopez

Clínico San Carlos, Madrid/Spain

Training centre: Western General Hospital, Edinburgh/United Kingdom

Thanks to the ESR/ESNR Fellowship Programme 2010, I was given the opportunity to spend three months in the Division of Clinical Neurosciences at the Western General Hospital, in Edinburgh. I would like to thank Dr Sellar (my tutor), the other radiology consultants and the registrars with whom I had the privilege to work with during those months; I'm very grateful to them for their willingness to share their knowledge and experience and for helping me to make the most of my stay. I felt very welcome in the department and had the chance to take part in the reporting and teaching sessions and the various multidisciplinary meetings. I also had the opportunity to get involved in the research activities of the department. I am sure all the knowledge and skills I gained during this training period will be extremely helpful in my professional development.



Anca Raluca Popovici

Academic Hospital "Sfantul Spiridon", Iasi, Iasi/Romania

Training centre: CHU de Nancy Hôpital Central, Nancy/France

Between July 13 and October 13, 2010 I participated in the three months training program in Neuroradiology which took place at CHU Hôpital Central Nancy. This training program was supported by the ESR/ESNR Exchange Programme for Neuroradiology Fellowship 2010.

There I had the opportunity to meet a professional team of radiologists who initiated me into the mysteries of neuroradiology - a field as broad as it is fascinating.

Every day I attended the CT or MRI programs - thus being admitted into the team and welcomed by its members who generously gave me all the information that made it possible for me to make progress in neuroradiology. Every day during the work program related to CT and MRI, I observed at least 20 case studies of the brain or spine and a large number of angiographies. Under the supervision of Professor Bracard at the beginning of the training period, I have improved my knowledge of neuroanatomy and MRI and CT techniques. I attended the weekly meetings every Tuesday dealing with case presentations. Interesting cases were shown, followed by a detailed discussion involving pathological information derived from literature as well as interpretations and answering possible questions.

I particularly appreciated this practical way of learning from the experience of others. When it came to my turn, I also presented a few cases: "Devic's Syndrome", "Lyme Disease", "Kallman Syndrome", "Centropontine myelinolysis", "Hydatid cyst". During the training period I participated in the following courses for residents: "Aging brain imaging", "Epilepsy", "Postoperative surveillance of tumors", "Arteriovenous Malformations".

I have to especially mention the atmosphere of confidence and optimism with which Professor Bracard inspired his team and the friendly spirit that pervaded the whole team. Besides I was impressed with their professionalism and their willingness to devote so much of their time to serve the benefits of the people.

I am very grateful to ESR and ESNR for the opportunity they gave me to work with a team of professionals from whom I learned the essential facts for my future career.

Exchange Programme for Neuroradiology Fellowship

My experience



Maie Uusväli

West-Tallinn Central Hospital, Tallinn/Estonia
Training centre: Bologna University, Bellaria Hospital, Bologna/Italy

I am most grateful to the ESR/ESNR Exchange Programme for Neuroradiology Fellowship who gave me this wonderful opportunity to spend three months at the Bellaria Hospital in Bologna.

My main interest was neurological MR imaging, which is the most needed field in our hospital. I had the opportunity to see various cases of brain and spine pathology in 3T MR and to learn how to use advanced MR techniques like diffusion-weighted imaging, perfusion imaging, spectroscopy and functional MRI. I was very lucky to have the opportunity to participate in the Symposium Neuroradiologicum which took place during my stay in Bologna. Especially I would like to thank Professor Marco Leonardi and his team of radiologists for hosting the fellowship and sharing their knowledge and experience. The acquired knowledge and skills will be very useful in my everyday work in Tallinn, Estonia.

Exchange Programme for Paediatric Fellowship

My experience



Kyriakos Iliadis

University Hospital, Plovdiv/Bulgaria
Training centre: Great Ormond Street Hospital for Children NHS Trust, London/United Kingdom

The ESR/ESPR Exchange Programme Fellowship offered me the highly competitive opportunity to spend three months in the Radiology Department of an internationally recognized centre of excellence for Paediatrics, Great Ormond Street Hospital for Children.

I had the privilege of being part of a very well structured department focused on complicated cases referred from all over the UK and international hospitals for specialist opinion and treatment, involving all the applicable imaging modalities. I was fortunate to be mentored by a dynamic team of renowned paediatric radiologists and radiographers.

The weekly scheduled teaching sessions and disciplinary meetings were highly educational. It was instructive to experience at first hand a healthcare system totally different from my home training scheme. I will incorporate what I have learnt into my future practise and I am inspired to continue in this speciality, hoping to become a world-class paediatric radiologist. Special thanks to my tutors Dr Catherine Owens and Dr Alistair Calder, to my precious colleagues and to the very friendly and highly skilled radiographers and sonographers. Thank you ESR/ESPR/ESOR committee for this unique opportunity.

Exchange Programme for Paediatric Fellowship

My experience



Luis Riera

Corporació Sanitària del Parc Taulí, UDIAT-SDI, Barcelona/Spain
Training centre: Medical University of Graz, Graz/Austria

I am truly grateful to ESR and ESPR for giving me the opportunity to take part in this fellowship. Not only did my three months in Graz further my knowledge in paediatric radiology, it also introduced me to different approaches related to working and living. The experience of working abroad - sharing challenges, setbacks and successes with others who have different ways of thinking and points of view - has transformed my understanding of life. I have no doubt that I will benefit from my fellowship in paediatric radiology in Graz for the rest of my life.



Gerwin Schmidt

Ludwig-Maximilians-University, Munich/Germany
Training centre: Hôpital Timone-Enfants, Marseille/France

On my arrival I was fully integrated into the team and my personal tutor worked out a detailed activity schedule which comprised a structured rotational programme through the different department specialties / modalities. My activities comprised learning and adopting conventional imaging techniques for inhouse and emergency patients as well and performing procedures under fluoroscopy. I intensively participated in ultrasound procedures, including imaging of pediatric emergencies, oncologic staging and screening for malformations. I also learned special techniques, such as transfontanelary echographies in the premature child as well as echography of joints and prenatal ultrasound algorithms for screening of developmental anomalies. I was also given the chance to diagnose CT and MRI studies for trauma, cardiac and oncologic purposes, including specific techniques such as whole-body MRI, cardiac- or prenatal MRI/CT assessment. I participated at the daily internal staff meeting where important cases of the day are presented and discussed and also attended specific multi-disciplinary staff meetings, including focus on Bone tumours, Hemato-oncologic diseases, ENT, Surgery and Vascular malformations. Other activities during my fellowship included a research topic cocentrating on MR diffusion imaging of patients with osteosarcoma within a pre-operative setting, conducted in collaboration with the head of department.

In summary, I thoroughly enjoyed everything and very much profited from this fellowship experience. As a radiologist specialized in adult imaging, I learned a lot, not only from the point of applied imaging techniques, but especially from the clinical approach and diagnostic strategy in children. Also, the different range of diseases studied, including specific tumour pathologies, malformation syndromes, congenital disorders, cardiac pathologies and the whole algorithm of prenatal diagnostics vastly expanded my knowledge and experience in clinical imaging.

ESOR 2010 Faculty



Nizar Al Nakshabandi
Riyadh/SA



Thomas Albrecht
Berlin/DE



Aghiad Al-Kutoubi
Beirut/LB



Cosma Andreula
Bari/IT



Maria Argyropoulou
Ioannina/GR



Fred Avni
Brussels/BE



Carmen Ayuso
Barcelona/ES



Irene Bargellini
Pisa/IT



Carlo Bartolozzi
Pisa/IT



Hans-Christoph Becker
Munich/DE



Regina Beets-Tan
Maastricht/NL



Monika Bekiesinska-Figatowska
Warsaw/PL



Marie-France Bellin
Villejuif/FR



Jozef Bilicky
Bratislava/SK



Isabella Maria Björkman-Burtscher
Lund/SE



Giuseppe Brancatelli
Palermo/IT



Jean-Michel Bruel
Montpellier/FR



Gianpaolo Carrafiello
Varese/IT



Filipe Caseiro-Alves
Coimbra/PT



Carlo Catalano
Rome/IT

ESOR 2010 Faculty



Byung Ihn Choi
Seoul/KR



Michel Claudon
Nancy/FR



Dirk-André Clevert
Munich/DE



Jean-Michel Correas
Paris/FR



Michel Court-Payen
Brøndby/DK



A. Mark Davies
Birmingham/UK



Albert de Roos
Leiden/NL



Lorenzo Derchi
Genoa/IT



Robert F. Dondelinger
Liège/BE



Mirko D'Onofrio
Verona/IT



Veronica Donoghue
Dublin/IE



Roger Eibel
Schwerin/DE



Pavel Eliáš
Hradec Králové/CZ



Marco Essig
Heidelberg/DE



Gudrun Feuchtner
Innsbruck/AT



Antonella Filippone
Chieti/IT



Rosemarie Forstner
Salzburg/AT



Marco Francone
Rome/IT



Alan Freeman
Cambridge/UK



Jan Głowacki
Zabrze/PL

ESOR 2010 Faculty



**Nicholas
Gourtsoyiannis**
Heraklion/GR



Bernd Hamm
Berlin/DE



Gertraud Heinz-Peer
Vienna/AT



Thomas Helbich
Vienna/AT



Thomas Helmberger
Munich/DE



Alexis Jacquier
Paris/FR



Spyros Karampekios
Heraklion/GR



Grigory Karmazanovsky
Moscow/RU



Ara Kassarjian
Majadahonda/ES



Hans Ulrich Kauczor
Heidelberg/DE



Nikolaos Kelekis
Athens/GR



Nabil Khoury
Beirut/LB



Karen Kinkel
Chêne-Bougeries/CH



Josef Kramer
Linz/AT



Andrea Laghi
Latina/IT



Michael Laniado
Dresden/DE



Nathalie Lassau
Villejuif/FR



Philippe Lefere
Roeselare/BE



Marco Leonardi
Bologna/IT



Christian Loewe
Vienna/AT

ESOR 2010 Faculty



Ioana Lupescu
Bucharest/RO



Mario Maas
Amsterdam/NL



António J. Madureira
Porto/PT



Ruzica Maksimovic
Belgrade/RS



**Nadja
Mamisch-Saupe**
Zurich/CH



Riccardo Manfredi
Verona/IT



Borut Marincek
Zurich/CH



Luis Marti-Bonmati
Valencia/ES



Celsos Matos
Brussels/BE



Yves Menu
Paris/FR



Nico R. Mollet
Rotterdam/NL



Giovanni Morana
Treviso/IT



Gerhard Mostbeck
Vienna/AT



Luigi Natale
Rome/IT



Sergei Nazarenko
Tallinn/EE



Dragos Negru
Iasi/RO



Patrick Omoumi
Brussels/BE



Catherine Owens
London/UK



Mario Padron
Madrid/ES



András Palko
Szeged/HU

ESOR 2010 Faculty



Nickolas Papanikolaou
Heraklion/GR



Danièle Pariente
Le Kremlin Bicêtre/FR



Paul Parizel
Antwerp/BE



Laurent Pierot
Reims/FR



Roberto Pozzi Mucelli
Verona/IT



Panos Prassopoulos
Alexandroupolis/GR



Mathias Prokop
Nijmegen/NL



Rodney Reznik
London/UK



Michael Riccabona
Graz/AT



Luis H. Ros Mendoza
Zaragoza/ES



Andrea Rossi
Genoa/IT



Anju Sahdev
London/UK



Adrian Santa
Sibiu/RO



Cornelia Schaefer-Prokop
Amersfoort/NL



Heinz-Peter Schlemmer
Heidelberg/DE



Gerhard Schroth
Bern/CH



Guy Sebag
Paris/FR



Paul Sidhu
London/UK



Valentin Sinitsyn
Moscow/RU



Luigi Solbiati
Busto Arsizio/IT

ESOR 2010 Faculty



Gloria Soto Giordani
Santiago/CL



Sanja Stojanovic
Novi Sad/CS



Maria L. Storto
Chieti/IT



Christoforos Stoupis
Maennedorf/CH



Pia Sundgren
Lund/SE



Malgorzata Szczerbo-Trojanowska
Lublin/PL



Stuart Andrew Taylor
London/UK



Majda M. Thurnher
Vienna/AT



Viktor Till
Novi Sad/RS



Charikleia Triantopoulou
Athens/GR



Rick R. van Rijn
Amsterdam/NL



Radovan Vanatka
Bratislava/SK



F.M. Vanhoenacker
Antwerp/BE



Johnny A. Verschakelen
Leuven/BE



Corinne Veyrac
Montpellier/FR



Olivier Vignaux
Paris/FR



Valerie Vilgrain
Clichy/FR



Ioannis Vlahos
London/UK



Peter Vock
Bern/CH



Hendrik von Tengg
Heidelberg/DE

ESOR 2010 Faculty



Jerzy Walecki
Warsaw/PL



Dominik Weishaupt
Zurich/CH



Andrzej Wieczorek
Lublin/PL



Spyros Yarmenitis
Athens/GR



Marco Zanetti
Zurich/CH



Christoph J. Zech
Munich/DE

**Razvan Alexandru
Capsa**
Bucharest/RO

Sebastian Leschka
St.Gallen/CH

James Meaney
Dublin/IE

Jana Mištinová
Bratislava/SK

Carlos Nicolau
Barcelona/ES

Slavica Senicar
Novi Sad/CS

ESOR 2010 Tutors



Oguz Akin
Memorial Sloan-Kettering Cancer Center,
New York/USA
Oncologic Imaging



Luca Albini Riccioli
Bologna University,
Bellaria Hospital,
Bologna/IT
Neuroradiology



Jordi Andreu
Hospital Vall d'Hebron,
Barcelona/ES
Chest Imaging



Carmen Ayuso
Hospital Barcelona,
Barcelona/ES
Abdominal Radiology



Ahmed Ba-Ssalamah
Medical University of
Vienna, Vienna/AT
Abdominal Radiology



Andrea Baur-Melnyk
Ludwig-Maximilians-
University, Munich/DE
Musculoskeletal
Radiology



Minerva Becker
University Hospital
of Geneva/CH
Head and Neck
Radiology



Regina G.H. Beets-Tan
University Hospital
of Maastricht/NL
Abdominal Radiology



Joan Berenguer
Hospital Barcelona,
Barcelona/ES
Neuroradiology



Serge Bracard
CHU de Nancy - Hôpital
Central, Nancy/FR
Neuroradiology



Jens Bremerich
University of Basel,
Basel/CH
Cardiac Imaging



Xavier Buy
University Hospital of
Strasbourg/FR
Musculoskeletal
Radiology



Alistair Calder
Great Ormond Street
Hospital for Children
NHS Trust, London/UK
Paediatric Radiology



Vincent Cappendijk
University Hospital
Maastricht/NL
Abdominal Radiology



Luca A. Carbonaro
IRCCS Policlinico San
Donato / University of
Milan School of
Medicine, Milan/IT
Breast Imaging

ESOR 2010 Tutors



Nicholas Carroll
Addenbrooke's
Hospital,
Cambridge/UK
Abdominal Radiology



Sossio Cirillo
Second University of
Naples, Naples/IT
Neuroradiology



Elizabeth Dick
Imperial College NHS
Trust - St. Mary's
Hospital Campus,
London/UK
Musculoskeletal
Radiology



Thierry Duprez
Université catholique
de Louvain, Brussels/BE
Neuroradiology



Olle Ekberg
Skåne University
Hospital, Malmö/SE
Abdominal Radiology



Ferdinand Frauscher
Medical University of
Innsbruck/AT
Urogenital Radiology



Ferdia Gallagher
Addenbrooke's
Hospital,
Cambridge/UK
Oncologic Imaging



Afshin Gangi
University Hospital
of Strasbourg/FR
Musculoskeletal
Radiology



Eva Maria Gassner
Medical University of
Innsbruck,
Innsbruck/AT
Oncologic Imaging



Guillaume Gorincour
Hôpital Timone-
Enfants,
Marseille/FR
Paediatric Radiology



Philippe Grenier
Hôpital Pitié-
Salpêtrière, Paris/FR
Chest Imaging



Matthias Gutberlet
University of Leipzig -
Heart Centre,
Leipzig/DE
Cardiac Imaging



Thomas Helbich
Medical University
of Vienna/AT
Breast Imaging



Robert Hermans
University Hospital
Leuven, Leuven/BE
Head and Neck
Radiology



Hedwig Hricak
Memorial Sloan-
Kettering Cancer
Center,
New York/USA
Oncologic Imaging

ESOR 2010 Tutors



Simon Jackson
Derriford Hospital
Plymouth/UK
Abdominal Radiology



Marco Leonardi
Bologna University
Bellaria Hospital
Bologna/IT
Neuroradiology



Maarten Lequin
Erasmus MC,
University Medical
Centre, Rotterdam/NL
Paediatric Radiology



Celso Matos
Hôpital Erasme
Brussels/BE
Abdominal Radiology



Anne Miguel
Saint-Antoine
Hospital, Paris/FR
Musculoskeletal
Radiology



Giovanni Morana
Ospedale Ca' Foncello
Treviso/IT
Abdominal Radiology



Yung Nio
Academic Medical
Center, Amsterdam/NL
Abdominal Radiology



Laura Oleaga
Hospital Barcelona
Barcelona/ES
Neuroradiology



Catherine Owens
Great Ormond Street
Hospital for Children
NHS Trust, London/UK
Paediatric Radiology



Esther Pallisa
Hospital Vall d'Hebron
Barcelona/ES
Chest Imaging



David Panicek
Memorial Sloan-
Kettering Cancer
Center, New York/USA
Oncologic Imaging



Paul M. Parizel
Antwerp University
Hospital,
Antwerp/BE
Neuroradiology



Philippe Petit
Hôpital Timone-
Enfants, Marseille/FR
Paediatric Radiology



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



Michael Rees
University of Bangor
Gwynedd/UK
Cardiac Imaging

ESOR 2010 Tutors



Michael Riccabona
Medical University of
Graz, Graz/AT
Paediatric Radiology



Charles Romanowski
Royal Hallamshire
Hospital, Sheffield
Teaching Hospitals
NHS Trust,
Sheffield/UK
Neuroradiology



Alex Rovira
Hospital Vall d'Hebron
Barcelona/ES
Neuroradiology



Anju Sahdev
Barts and The Royal
London Hospital NHS
Trust, London/UK
Oncologic Imaging



Evis Sala
Addenbrooke's
Hospital,
Cambridge/UK
Oncologic Imaging



Francesco Sardanelli
IRCCS Policlinico San
Donato / University of
Milan School of
Medicine, Milan/IT
Breast Imaging



Robin Sellar
Western General
Hospital, Edinburgh/UK
Neuroradiology



Ruchi Sinnatamby
Addenbrooke's
Hospital,
Cambridge/UK
Breast Imaging



Erich Sorantin
Medical University of
Graz, Graz/AT
Paediatric Radiology



Jaap Stoker
Academic Medical
Center, Amsterdam/NL
Abdominal Radiology



Stefan Sunaert
University Hospitals
Leuven, Leuven/BE
Neuroradiology



Nunzia Tacelli
Calmette Hospital-
University Center of
Lille, Lille/FR
Emergency Radiology



Anna Lia Valentini
Policlinico Gemelli-
Catholic University,
Rome/IT
Urogenital Radiology



Peter M.A. Van Ooijen
University Medical
Center Groningen,
Groningen/NL
Cardiac Imaging



Francis Veillon
Hôpital de Hautepierre
Strasbourg/FR
Head and Neck
Radiology

ESOR 2010 Tutors



Johny A. Verschakelen
University Hospitals
Leuven, Leuven/BE
Chest Imaging



Sarah Vinnicombe
Barts and The Royal
London Hospital NHS
Trust, London/UK
Breast Imaging



Miny Walker
Imperial College NHS
Trust - St. Mary's
Hospital Campus,
London/UK
Musculoskeletal
Radiology



Guido Wilms
University Hospitals
Leuven, Leuven/BE
Neuroradiology



Euan M. Armstrong
Derriford Hospital
Plymouth/UK
Abdominal Radiology

Ingvar Adnerhill
Skåne University Hospital
Malmö/SE
Abdominal Radiology

Frans Bakers
University Hospital
Maastricht, Maastricht/NL
Abdominal Radiology

Julien Garnon
University Hospital of
Strasbourg, Strasbourg/FR
Musculoskeletal
Radiology

Sophie Riehm
Hôpital de Hautepierre
Strasbourg/FR
Head and Neck
Radiology

Fritz Aigner
Medical University of
Innsbruck, Innsbruck/AT
Urogenital Radiology

Catherine Beigelman
Hôpital Pitié-Salpêtrière
Paris/FR
Chest Imaging

Lucia Kroft
Leiden University
Medical Center, Leiden/NL
Cardiac Imaging

Ana Ruiz
Saint-Antoine
Hospital, Paris/FR
Abdominal Radiology

Juan Ramón Ayuso
Hospital Barcelona
Barcelona/ES
Abdominal Radiology

Christian Czerny
Medical University
of Vienna, Vienna/AT
Head and Neck
Radiology

Silvia Magnaldi
Medical University
of Vienna, Vienna/AT
Abdominal Radiology

Marc Sirol
Hôpital Lariboisière
Paris/FR
Cardiac Imaging

Louisa Azizi
Saint-Antoine
Hospital, Paris/FR
Abdominal Radiology

Giuseppe Di Lella
Policlinico Gemelli-Catho-
lic University, Rome/IT
Neuroradiology

Andrea Maier
Medical University
of Vienna, Vienna/AT
Abdominal Radiology

John Shirley
Derriford Hospital
Plymouth/UK
Abdominal Radiology

ESOR at ECR 2010



ECR has become an important communication platform for the European School of Radiology. The ESOR booth was visited by many congress participants to get information on the wide range of educational activities. For the second time, ESOR held a session at ECR, moderated by Nicholas Gourtsoyiannis, ESOR Scientific/Educational Director and Christian J. Herold, immediate Past-President. More than 120 residents, young radiologists and partners listened to well selected lectures about opportunities for education. What the school means for ESR and the successful outcome was explained by Christian J. Herold. Nicholas Gourtsoyiannis gave an insight in the variety of activities. One of the highlights was a lecture given by Mario Maas about educating future leaders, which illustrated the curriculum of teachers, mentioned the challenges and provided strategic tips. Borut Marincek reported about fellowships in radiology and explained why and how important these are. Ruzica Maksimovic shared her experience as a local organiser and reported on the benefits for both the local departments and the course participants. At the end of the session two trainees spoke about their experience with ESOR and certificates were awarded all successful graduates of the Visiting Scholarship Programmes and the Exchange Programmes for Fellowships.

ESOR session at a glance

Moderators

N. Gourtsoyiannis, Heraklion/GR
C.J. Herold, Vienna/AT

Introduction

C.J. Herold, Vienna/AT

ESOR in action

N. Gourtsoyiannis, Iraklion/GR

Educating future leaders

M. Maas, Amsterdam/NL

Fellowships in radiology: why and how

B. Marincek, Zurich/CH

My experience as a local organiser

R. Maksimovic, Belgrade/RS

My experience with ESOR

S.M. Kirchhoff, Munich/DE
K. Kovács, Budapest/HU

Awards

Education in partnership



GE Healthcare



SIEMENS



Memorial Sloan-Kettering
Cancer Center



Thank you

ESOR
European School of Radiology

ESOR OFFICE

Neutorgasse 9, 1010 Vienna, Austria
Phone: +43 1 533 40 64, Fax: +43 1 535 70 37
info@esor.org
www.myESR.org/esor

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