

ANNUAL REPORT 2017



Education in partnership.

ESORF EUROPEAN SCHOOL OF RADIOLOGY

Education in partnership



Thank you!

REVIEW 2017

Dear Colleagues,

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

During 2017, ESOR has expanded its range of activities by adding new course series and training programmes to its portfolio, to accommodate the ever-evolving needs for radiological education. New to this year's platform were three additional advanced courses, aiming at Eastern Europe, one seminar offered jointly with the Interamerican College of Radiology (CIR) in Cancun/MX, two Visiting Professorship Programmes, one to Argentina and one to Belarus for the first time, and three more full one-year Fellowships to renowned academic departments in Europe. Altogether this was the most comprehensive ESOR programme offered, with 40 stratified courses and 75 scholarship and fellowship programmes.

Outcomes once more emphasise the importance of establishing a long-term commitment for education in partnership and the value of delivering structured modular and mentored opportunities to learn from exchange, in moving forward with an informed body of luminaries, the ESOR community.

2017 marked also the celebration of ten challenging years of ESOR in action, during which ESOR contributed significantly to raising the scientific profile of radiological education, while promoting the importance of subspecialisation as well as the introduction of fellowships in radiology in Europe.

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

In this report all activities, established and continued or newly introduced during 2017 are presented. You are provided with a snapshot of the educational programmes attended by more than 2,300 residents, fellows and board-certified radiologists along with a brief description of experiences gained from their participation and interaction.

On a personal level, this is a fine opportunity for me to express my gratitude to all of you for having entrusted me with this unique opportunity to lead the European School of Radiology from its inception until today. I will certainly treasure this unparalleled experience for the rest of my life.



Professor Nicholas Gourtsoyiannis
ESOR Scientific/Educational Director



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March 2017 – March 2018

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ESNR European Course of Neuroradiology

Siegfried Trattinig, Vienna/AT

ESMRMB School of MRI



Greek: Γαληνός
Latin: Claudius Galenus of Pergamum
Arabic: Jalinus

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

The GALEN courses are scheduled to rotate among representative venues throughout Europe. In terms of content and aim they are structured into foundation courses, focusing on the early years of training and advanced courses, directed at the later years of training and young radiologists. Each programme is structured along the lines of lecture series and interactive case discussions (workshops), assigned to internationally renowned European faculties. In 2017, one foundation and three advanced courses were organised, covering topics across the modalities reaching a total number of 233 participants.

GALEN FOUNDATION COURSE

One GALEN Foundation Course aimed at residents in their first, second or third year of training in radiology took place in partnership with Bracco and was dedicated to neuro-radiology. It was attended by a total of 91 residents from 24 countries.

GALEN ADVANCED COURSES

The three GALEN Advanced Courses were aimed at residents in their fourth or fifth year of training and/or general radiologists in their early years of practice and took place in partnership with Bracco. The courses were dedicated to topics in cross-sectional imaging (contrast media for better diagnostic accuracy, advances in clinical CT, cardio-thoracic imaging) and were attended by 142 doctors from 28 countries.

LEVEL I+II

NEURORADIOLOGY

May 25-27, 2017

Prague/Czech Republic

Host Organiser:

J. Vymazal
Prague/CZ

Topics and Faculty:

Toward better understanding of MR signal intensity changes in deep brain nuclei after administration of gadolinium-based contrast agents
J. Vymazal, Prague/CZ

Imaging of neurocutaneous syndromes
M. Mechl, Brno/CZ

DTI imaging in neurodegenerative diseases
A.M. Rulseh, Prague/CZ

Hybrid neuroimaging: PET/MRI and/or PET/CT
J. Ferda, Pilsen/CZ

MRI of the brain: the standard and the advanced protocol
P. Demaerel, Leuven/BE

Congenital abnormalities of the brain
M. Argyropoulou, Ioannina/GR

Imaging in epilepsy
P. Sundgren, Lund/SE

Brain injury
E. Papadaki, Heraklion/GR

CNS malignancies
M. Thurnher, Vienna/AT

CNS infections
I. Pronin, Moscow/RU

Pattern recognition in neuroradiology
L. Van den Hauwe, Antwerp/BE

Stroke: diagnosis and therapy
P. Vilela, Lisbon/PT

White matter diseases
F. Bonneville, Toulouse/FR

Number of participants: 91

Country statistics: Australia 1, Austria 2, Belgium 5, Croatia 1, Czech Republic 5, Denmark 1, France 2, Germany 3, Hungary 1, Iran 3, Ireland 1, Italy 2, Latvia 3, Lithuania 2, Norway 2, Poland 25, Portugal 3, Romania 12, Slovakia 3, Slovenia 1, Spain 1, Turkey 5, Ukraine 2, United Kingdom 5

GALEN ADVANCED Courses

LEVEL II+III

CONTRAST MEDIA FOR BETTER DIAGNOSTIC ACCURACY

May 11-12, 2017
Valencia/Spain

Host Organiser:

L. Marti-Bonmati
Valencia/ES

Topics and Faculty:

GENERAL CONCEPTS

**Contrast media, image resolution
and diagnostic confidence**

L. Marti-Bonmati, Valencia/ES

**US contrast agents mechanism
and standardisation**

T. Fontanilla, Madrid/ES

**CT contrast agents mechanism
and standardisation**

A. Laghi, Latina/IT

**MR contrast agents mechanism
and standardisation**

F. Caseiro Alves, Coimbra/PT

Pharmacokinetic modelling in clinical practice

A. Alberich-Bayarri, Valencia/ES

Safety concerns using contrast agents

P. Rinck, Mougins/FR

CLINICAL APPLICATIONS

Brain CE studies

F. Aparici, Valencia/ES

Breast CE studies

T. Helbich, Vienna/AT

Emergency CE studies

O. Clement, Paris/FR

Cardiac CE studies

V. Sinitsyn, Moscow/RU

Upper abdomen CE studies

C.J. Zech, Basel/CH

MSK CE studies

K. Verstraete, Ghent/BE

Number of participants: 64

Country statistics: Austria 1, Belgium 3,
Canada 1, Denmark 1, Poland 1, Portugal 1,
Romania 1, Serbia 1, Spain 51, Switzerland 1,
Turkey 1, United Kingdom 1

LEVEL III

ADVANCES IN CLINICAL CT

September 8-9, 2017
Zurich/Switzerland

Host Organiser:

C. Stoupis
Maennedorf/CH

Topics and Faculty:

Scanner technology and dose containment

M. Prokop, Nijmegen/NL

Dual energy CT (DECT) and subtraction imaging (SCT)

J. Sosna, Jerusalem/IL

CT perfusion imaging: what you need to know

V. Goh, London/UK

Stroke management optimisation:

CT perfusion vs. DWI

K.-O. Lovblad, Geneva/CH

Vascular imaging updates

M. Krokidis, Cambridge/UK

Chest imaging updates

H. Prosch, Vienna/AT

Cardiac imaging updates

H. Alkadhi, Zurich/CH

MSK imaging updates

A. Blum, Nancy/FR

Abdominal imaging updates

V. Vilgrain, Clichy/FR

Number of participants: 38

Country statistics: Australia 1, Austria 4,
Belgium 1, Germany 2, Greece 1, Iran 1, Italy 1,
Netherlands 1, Norway 1, Russian Federation 2,
Singapore 1, Switzerland 20, Turkey 1,
United States of America 1

GALEN ADVANCED Courses

LEVEL II

CARDIO-THORACIC CROSS-SECTIONAL IMAGING

September 28-29, 2017

Heidelberg/Germany

Host Organiser:

H.-U. Kauczor
Heidelberg/DE

Topics and Faculty:

Infectious lung disease

C.P. Heussel, Heidelberg/DE

Airway disease

M.O. Wielpütz, Heidelberg/DE

Interstitial lung disease

S. Desai, London/UK

**Management of pulmonary nodules
and lung cancer**

E. Van Beek, Edinburgh/UK

Pulmonary hypertension and right heart strain

J. Vogel-Claussen, Hannover/DE

CT diagnosis/rule out of coronary heart disease

K. Nikolaou, Tuebingen/DE

Assessing the ischemic myocardium (CT/MR)

C. Loewe, Vienna/AT

Non-ischemic cardiomyopathies

M. Francone, Rome/IT

**The role of CT in the management
of valvular disease**

H. Alkadhi, Zurich/CH

Number of participants: 40

Country statistics: Armenia 1, Australia 1,
Austria 1, Belgium 1, Denmark 3, Georgia 1,
Germany 18, India 1, Netherlands 1, Portugal 1,
Romania 1, Russian Federation 1, Saudi Arabia 1,
Slovenia 1, Sweden 1, Turkey 3, United Kingdom 3



ESOR COURSES FOR EDiR

In 2017, ESOR has continued to organise foundation courses to prepare/assist those entering examinations for the European Diploma in Radiology. A series of courses were organised at the ESR Learning Centre in Vienna/Austria in November. The format included nine courses, each one dealing with a specific organ/system-oriented theme, targeting 25 participants per module. The learning objectives for each of the topics were strictly adhered to the European Training Curriculum.

Nine such courses were offered this year, covering abdominal, breast, cardiac, chest, head and neck, hybrid, musculoskeletal, neuro and paediatric radiology. In total 60 participants from 26 countries attended the ESOR Courses for EDiR, some of them taking part in all nine courses.

LEVEL II

CHEST IMAGING

November 6, 2017
Vienna/Austria

Topics and Faculty:

Chest trauma

J. Vlahos, London/UK

Pleural diseases

H. Prosch, Vienna/AT

Solitary and multiple pulmonary nodules

J. Vlahos, London/UK

Diseases of the large and small airways

H. Prosch, Vienna/AT

Pulmonary vascular disease

J. Vlahos, London/UK

Nodular lung diseases

H. Prosch, Vienna/AT

Number of participants: 23

Country statistics: Austria 7, Belgium 1,
Croatia 1, Denmark 1, Greece 1, Netherlands 1,
Poland 6, Slovenia 1, Spain 1, Sweden 1, Thailand 1,
United Kingdom 1

ESOR COURSES FOR EDIR

LEVEL II

CARDIAC IMAGING

November 7, 2017
Vienna/Austria

Topics and Faculty:

**Cardiac CT anatomy, anatomical variants
and anomalies: a primer**
C. Loewe, Vienna/AT

**Role of cardiac MR in and after acute
coronary syndromes**
A. Jacquier, Marseille/FR

Cardiac CT in stable angina
C. Loewe, Vienna/AT

MR characterisation of myocardial tissue
A. Jacquier, Marseille/FR

Imaging in CAD after treatment
C. Loewe, Vienna/AT

MR in assessing valvular diseases
A. Jacquier, Marseille/FR

Number of participants: 25

Country statistics: Austria 7, Belgium 1,
Denmark 1, Greece 2, Netherlands 1, Nigeria 1,
Norway 1, Poland 7, Spain 1, Sweden 1, Thailand 1,
United Kingdom 1

LEVEL II

BREAST IMAGING

November 8, 2017
Vienna/Austria

Topics and Faculty:

**Advanced breast ultrasound
including elastography**
B. Brkljačić, Zagreb/HR

Imaging in nipple discharge and other symptoms
M. Fuchsjäger, Graz/AT

Clinical challenges on breast MRI
B. Brkljačić, Zagreb/HR

Post therapy imaging
M. Fuchsjäger, Graz/AT

**Imaging-guided minimally invasive therapy
and breast biopsies**
B. Brkljačić, Zagreb/HR

**How to report and communicate
breast imaging findings**
M. Fuchsjäger, Graz/AT

Number of participants: 23

Country statistics: Austria 5, Belgium 2,
Croatia 1, Greece 1, Nigeria 1, Poland 6,
Slovenia 1, Spain 2, Sweden 1, Switzerland 1,
Thailand 1, United Kingdom 1

ESOR COURSES FOR EDIR

LEVEL II

NEURORADIOLOGY

November 9, 2017

Vienna/Austria

Topics and Faculty:

Congenital and developmental malformations

P. Sundgren, Lund/SE

Toxic and metabolic brain diseases

M. Thurnher, Vienna/AT

CNS vasculitis

P. Sundgren, Lund/SE

Imaging in epilepsy

P. Sundgren, Lund/SE

Diagnostic approach to myelopathy

M. Thurnher, Vienna/AT

Meningeal diseases of the brain and spine

M. Thurnher, Vienna/AT

Number of participants: 25

Country statistics: Austria 2, Belarus 1, Belgium 2,
Germany 2, Greece 1, Italy 1, Nigeria 1, Poland 6,
Portugal 2, Serbia 1, Slovakia 1, Spain 1, Sweden 1,
Thailand 1, United Kingdom 2

LEVEL II

HEAD AND NECK RADIOLOGY

November 10, 2017
Vienna/Austria

Topics and Faculty:

Laryngeal and hypopharyngeal neoplasms

R. Hermans, Leuven/BE

Salivary gland masses

K. Bhatia, London/UK

Chronic middle ear inflammation

R. Hermans, Leuven/BE

Thyroid nodules and neoplasms

K. Bhatia, London/UK

Neoplasms of the nose and paranasal sinuses

R. Hermans, Leuven/BE

Oropharyngeal neoplasms

K. Bhatia, London/UK

Number of participants: 25

Country statistics: Austria 3, Belgium 2,
Germany 2, Greece 1, Italy 1, Nigeria 1, Norway 1,
Poland 8, Portugal 2, Spain 1, Thailand 1,
United Kingdom 2

ESOR COURSES FOR EDIR

LEVEL II

MUSCULOSKELETAL RADIOLOGY

November 11, 2017
Vienna/Austria

Topics and Faculty:

Spine infection

A. Karantanas, Heraklion/GR

Bone marrow imaging

K. Verstraete, Ghent/BE

Painful hip in adults younger than 50 y/o

A. Karantanas, Heraklion/GR

Soft tissue tumours

K. Verstraete, Ghent/BE

MRI of the postoperative knee

A. Karantanas, Heraklion/GR

Bone tumours

K. Verstraete, Ghent/BE

Number of participants: 26

Country statistics: Austria 2, Belgium 1, Finland 1,
Germany 2, Italy 1, Nigeria 1, Norway 1, Poland 9,
Romania 1, Slovakia 2, Slovenia 1, Spain 1,
Thailand 1, Turkey 1, United Kingdom 1

LEVEL II

ABDOMINAL IMAGING

November 13, 2017
Vienna/Austria

Topics and Faculty:

Functional anatomy of the liver and normal variants

F. Caseiro Alves, Coimbra/PT

Imaging pancreatic inflammation

R. Pozzi Mucelli, Verona/IT

**Benign hepatocellular tumours:
how to differentiate**

F. Caseiro Alves, Coimbra/PT

Imaging of cystic masses of the pancreas

R. Pozzi Mucelli, Verona/IT

Imaging and management of colorectal liver metastases

F. Caseiro Alves, Coimbra/PT

Imaging of complex renal masses

R. Pozzi Mucelli, Verona/IT

Number of participants: 26

Country statistics: Austria 8, Belarus 1,
Germany 1, Italy 1, Nigeria 1, Norway 1, Poland 6,
Portugal 1, Serbia 1, Spain 2, Sweden 1, Thailand 1,
United Kingdom 1

ESOR COURSES FOR EDIR

LEVEL II

HYBRID IMAGING

November 14, 2017
Vienna/Austria

Topics and Faculty:

Introduction and melanoma

K. Riklund, Umeå/SE

PET/MRI in inflammatory diseases

L. Umutlu, Essen/DE

Colorectal cancer

K. Riklund, Umeå/SE

PET/MRI in gynaecologic oncology

L. Umutlu, Essen/DE

Prostate cancer

K. Riklund, Umeå/SE

PET/MRI in oncology - from A to Z

L. Umutlu, Essen/DE

Number of participants: 15

Country statistics: Austria 2, Belarus 1, Hungary 1,
Nigeria 1, Norway 1, Poland 5, Spain 1, Sweden 1,
Thailand 1, United Kingdom 1

LEVEL II

PAEDIATRIC RADIOLOGY

November 15, 2017
Vienna/Austria

Topics and Faculty:

Congenital malformations of the brain

M. Argyropoulou, Ioannina/GR

Imaging of the pancreas

P. Petit, Marseille/FR

Intracranial infections of the brain

M. Argyropoulou, Ioannina/GR

Imaging of inflammatory bowel disease

P. Petit, Marseille/FR

Neurofibromatosis type I and II

M. Argyropoulou, Ioannina/GR

Imaging of the spleen

P. Petit, Marseille/FR

Number of participants: 20

Country statistics: Austria 4, Belarus 1,
Czech Republic 1, Hungary 1, Nigeria 1, Norway 1,
Poland 6, Serbia 1, Spain 1, Sweden 1, Thailand 1,
United Kingdom 1



Greek: Ἀσκληπιός
Latin: Aesculapius

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

Asklepios represents the healing aspect of medical arts. He had four daughters: Aglaa/Agle, goddess of natural beauty and fitness, Hygieia, goddess of disease prevention, Panacea, goddess of healing (literally, "all-healing"), and 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. Asklepios statues may be recognised by the presence of serpents.

ASKLEPIOS COURSES IN EUROPE

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

The long-term partnership with Affidea was continued with one ASKLEPIOS Multimodality Course organised in Split, Croatia, attended by 51 participants from 14 countries.

Additionally, ESOR continued its activities in Russia. Besides the partnership with Lancet, which resulted in an ESOR course on "Advanced Abdominal Imaging", another ESOR course on "Advanced Oncologic Imaging" in partnership with R-Pharm has been organised. The course on "Advanced Abdominal Imaging" took place in Yerevan/Armenia and was attended by 65 radiologists, whereas the course on "Advanced Oncologic Imaging" was organised in Ekaterinburg/Russia with 52 participants from Russia and CIS countries.

The partnership with GE Healthcare led to a course on "Challenges in Head and Neck Imaging", held in Serock/Poland with 50 participants, a second course on "Emergency Radiology" held in Bucharest/Romania, attended by 97 radiologists, and a third course on "Women's Imaging", organised in Bratislava/Slovakia with 82 participants.

In 2017, ESOR was proud to hold a course on "Introduction to Hybrid Imaging in Oncology" in Vienna/Austria in partnership with the European Society for Hybrid Medical Imaging (ESHI) for the second year in a row, which was attended by 157 participants from 33 countries. Moreover, ESOR's portfolio included a course on "Cardiac and Abdominal Imaging" embedded within the successful ESOR Graz Tutorial; a symposium on "Imaging Hallmarks of Cancer" in Lisbon/Portugal, which was realised in collaboration with the Champalimaud Foundation for 190 interested participants; as well as a course on "Hepato-Bilio-Pancreatic Imaging Biomarkers" taking place in Valencia/Spain with 46 participants from 15 countries.

Furthermore, after already five successful courses in 2012, 2013, 2014, 2015 and 2016, ESOR again jointly with the European Society for Radiotherapy and Oncology (ESTRO) delivered a multidisciplinary course aimed at radiologists, radiation-oncologists and surgeons. The course took place in Rome/Italy, and was held under the title "Multidisciplinary Approach to Cancer Imaging". It was attended by 77 participants from 28 countries.

LEVEL II+III

CHALLENGES IN HEAD AND NECK IMAGING

March 30-31, 2017

Serock/Poland

Host Organiser:

M. Szczerbo-Trojanowska
Lublin/PL

Topics and Faculty:

**Challenge 1: the skull base and close spaces -
How to read a temporal bone CT: anatomy and
inflammatory lesions**
B. Verbist, Leiden/NL

**Challenge 1: the skull base and close spaces -
“Don’t touch me” lesions of the skull base**
A. Borges, Lisbon/PT

**Challenge 1: the skull base and close spaces -
The submucosal parapharyngeal mass: key
imaging features**
B. Schuknecht, Zurich/CH

**Challenge 2: the long-standing nasal obstruction
- Unilateral nasal obstruction: imaging protocol
and review areas**
T. Beale, London/UK

**Challenge 2: the long-standing nasal obstruction
- Juvenile angiofibroma: pre-treatment imaging
work up and follow up**
D. Farina, Brescia/IT

**Challenge 3: the neck mass - The neck lump in
the paediatric patient: imaging strategies**
E.E. Deurloo, Amsterdam/NL

**Challenge 3: the neck mass - How to study the
adult patient with a neck mass**
A. Trojanowska, Lublin/PL

**Challenge 4: the indispensable checklist for
reporting - Jugular foramen lesions: how to build
a differential diagnosis**
J. Bladowska, Wroclaw/PL

**Challenge 4: the indispensable checklist for
reporting - How to report on adenoid-cystic
carcinoma of major/minor salivary gland**
R. Maroldi, Brescia/IT

Number of participants: 50

Country statistics: Poland 48, Singapore 1,
United Kingdom 1

ASKLEPIOS Courses

LEVEL II+III

EMERGENCY RADIOLOGY

May 4-5, 2017
Bucharest/Romania

Host Organiser:

I. Lupescu
Bucharest/RO

Topics and Faculty:

MDCT protocols for polytrauma patients

A. Palkó, Budapest/HU

Non-traumatic intracranial emergencies

C. Calli, Izmir/TR

Abdominal paediatric emergencies

M. Raissaki, Heraklion/GR

Acute abdomen: inflammation and its mimics

M. Zins, Paris/FR

Acute abdomen in oncologic patients

M. Laniado, Dresden/DE

Abdominal trauma

M. Scaglione, Castel Volturno/IT

Non-gynaecologic GU emergencies

L. Derchi, Genoa/IT

Female pelvis emergencies

I. Thomassin-Naggara, Paris/FR

Non-traumatic chest emergencies

C. Schaefer-Prokop, Amersfoort/NL

Number of participants: 97

Country statistics: Belgium 2, Bulgaria 1, Greece 1,
Portugal 3, Romania 89, United Kingdom 1

LEVEL II+III

ADVANCED ONCOLOGIC IMAGING

May 19-20, 2017
Ekaterinburg/Russia

Host Organiser:

I. Tyurin
Moscow/RU

Topics and Faculty:

Challenges in neck cancer imaging

N. Traikova, Plovdiv/BG

Multimodality imaging in lung cancer

I. Tyurin, Moscow/RU

**Colorectal cancer: screening,
diagnosis and staging**

A. Laghi, Latina/IT

**Diagnosis and staging of HCC:
from guidelines to clinical practice**

C. Bartolozzi, Pisa/IT

**Pancreatic cancer: detection, staging
and evaluation of treatment response**

O. Lucidarme, Paris/FR

**CT and MR imaging of renal tumours:
pearls and pitfalls**

R. Pozzi Mucelli, Verona/IT

Imaging of abdominal lymphomas

P. Prassopoulos, Alexandroupolis/GR

**GIST: what radiologists should know from
diagnosis to assessing response to therapy**

A. Laghi, Latina/IT

**Endometrial and cervical cancer: diagnosis,
staging and detection of recurrence**

N. Rubtsova, Moscow/RU

Number of participants: 52

Country statistics: Romania 1,
Russian Federation 51

ASKLEPIOS Courses

LEVEL II+III

ADVANCED ABDOMINAL IMAGING

June 29-30, 2017

Yerevan/Armenia

Host Organisers:

V. Sinitsyn, Moscow/RU

A. Kocharyan, Yerevan/AM

Topics and Faculty:

CEUS in abdominal imaging

L. Romanini, Brescia/IT

Advances in abdominal CT imaging

V. Sinitsyn, Moscow/RU

**Diagnosis and staging of oesophageal
and gastric cancer**

M. Laniado, Dresden/DE

Diffusion weighted imaging of liver tumours

H.-P. Schlemmer, Heidelberg/DE

S. Gourtsoyianni, London/UK

Imaging and management of acute pancreatitis

C. Stoupis, Maennedorf/CH

Cystic lesions of the pancreas

G. Zamboni, Verona/IT

Ischemia of the abdominal organs

M. Vishnyakova, Moscow/RU

MR imaging of the anorectum

S. Gourtsoyianni, London/UK

MR imaging of the prostate

H.-P. Schlemmer, Heidelberg/DE

Number of participants: 65

Country statistics: Armenia 16,

Russian Federation 49

LEVEL III

INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 31–September 1, 2017
Vienna/Austria

Host Organisers:

K. Riklund, Umeå/SE
C. Herold, Vienna/AT

Topics and Faculty:

**Introduction to hybrid medical imaging,
radiotracers and physics**

K. Riklund, Umeå/SE
T. Beyer, Vienna/AT

Lung cancer

H. Prosch, Vienna/AT
F. Giesel, Heidelberg/DE

Lymphoma

A. Vanzulli, Milan/IT
T. Hany, Zurich/CH

Colorectal cancer

R. Beets-Tan, Amsterdam/NL
M. Stokkel, Amsterdam/NL

Prostate cancer

H.-P. Schlemmer, Heidelberg/DE
M. Hartenbach, Vienna/AT

Gynaecologic cancer

R. Forstner, Salzburg/AT
A. Rockall, London/UK

Number of participants: 157

Country statistics: Albania 1, Armenia 4,
Australia 1, Belarus 2, Bosnia and Herzegovina 1,
Bulgaria 2, Croatia 2, Cyprus 1, Denmark 1,
Egypt 4, Finland 1, Georgia 3, Germany 1,
Greece 5, Hungary 5, India 2, Ireland 4, Italy 5,
Kyrgyzstan 1, Latvia 2, Lithuania 4, Macedonia 1,
Netherlands 1, Poland 17, Portugal 1, Romania 37,
Russian Federation 8, Serbia 5, Spain 15,
Sweden 2, Turkey 5, Ukraine 6, United Kingdom 7

ASKLEPIOS Courses

LEVEL II

MULTIMODALITY COURSE

September 1-2, 2017

Split/Croatia

Host Organiser:

K. Dolić
Split/HR

Topics and Faculty:

Abdominal pain: suspected bowel obstruction

P. Taourel, Montpellier/FR

Abdominal pain: suspected bowel inflammation

J. Puylaert, The Hague/NL

The clinical role of imaging in acute pancreatitis and its complications

C. Triantopoulou, Athens/GR

CT and MR urography

U. Mueller-Lisse, Munich/DE

MR imaging of rectal cancer

L. Curvo Semedo, Coimbra/PT

Multimodality imaging of breast cancer

B. Brkljačić, Zagreb/HR

CTA and MRA in vascular diseases:

how, when, why

M. Prokop, Nijmegen/NL

Imaging carotid artery disease:

balance between science and practice

C. Catalano, Rome/IT

Update on stroke imaging

F.J.A. Meijer, Nijmegen/NL

Number of participants: 51

Country statistics: Australia 3, Austria 2,
Croatia 26, Estonia 3, Finland 1, Greece 1,
Hungary 4, Lithuania 2, Norway 1, Poland 1,
Portugal 1, Serbia 3, Spain 2, United Kingdom 1

LEVEL I+II

CARDIAC AND ABDOMINAL IMAGING

October 18-20, 2017

Graz/Austria

Host Organiser:

M. Fuchsjäger
Graz/AT

Topics and Faculty:

**Optimising protocols for abdominal MRI:
time, quality and Tesla's**

Y. Menu, Paris/FR

Differentiation of benign and malignant liver lesions

H. Schöllnast, Graz/AT

LIRADS, the reason why I adopt it... or not

Y. Menu, Paris/FR

Evaluation of chronic inflammatory bowel disease

S. Gourtsoyianni, London/UK

**Endovascular treatment of liver lesions:
state of the art and latest techniques**

H. Deutschmann, Graz/AT

Percutaneous ablation for therapy of liver lesions

R. Portugaller, Graz/AT

Peritoneal carcinomatosis:

how to succeed thwarting the traps

Y. Menu, Paris/FR

Preoperative staging of operable colon cancer

S. Gourtsoyianni, London/UK

Imaging of bowel obstruction

W. Schima, Vienna/AT

Role of MRI in anorectal cancer

S. Gourtsoyianni, London/UK

Imaging of pancreatitis

W. Schima, Vienna/AT

Pancreatic cancer: diagnosis and staging

W. Schima, Vienna/AT

Cardiac MRI - Quantification of volumetric function

J. Schmid, Graz/AT; U. Reiter Graz/AT

Cardiac MRI Biomarkers - Basic concepts

G. Reiter, Graz/AT

Cardiac MRI Biomarkers - Clinical applications

U. Reiter, Graz/AT

MRI in ischemic heart disease

C. Loewe, Vienna/AT

**Imaging of cardiomyopathies - what the
radiologist has to know**

V. Sinitsyn, Moscow/RU

Cardiac valve assessment with CT and MRI

R. Maderthaner, Graz/AT

Imaging in acute chest pain

C. Loewe, Vienna/AT

**Mistakes in coronary CTA performance
and interpretation: how to avoid them**

V. Sinitsyn, Moscow/RU

Cardiac implants and MR safety

C. Loewe, Vienna/AT

Diagnostic work-up of cardiac tumours

V. Sinitsyn, Moscow/RU

Number of participants: 14

Country statistics: Armenia 1, Australia 1,
Austria 3, Germany 1, Hungary 1, Ireland 1,
Macedonia 1, Romania 1, Saudi Arabia 1,
Slovenia 1, Turkey 1, Turkmenistan 1

ASKLEPIOS Courses

LEVEL III

SYMPOSIUM ON IMAGING HALLMARKS OF CANCER

October 26-27, 2017

Lisbon/Portugal

Host Organiser:

C. Matos
Lisbon/PT

Topics and Faculty:

Keynote lecture

Chair: C. Matos, Lisbon/PT

Research in medical imaging in the digital era

G. Krestin, Rotterdam/NL

Interlude

Chair: C. Matos, Lisbon/PT

Scrofulous Sogolon — Scanning the Sunjata Epic

M. Ghysels, Brussels/BE

Computational imaging

Chair: C. Matos, Lisbon/PT

MR imaging biomarkers in cancer

N. Papanikolaou, Lisbon/PT

**Texture analysis in medical images:
applications in cancer**

A. Alberich-Bayarri, Valencia/ES

**Radiomics - the promise of imaging
for precision medicine**

A. Radbruch, Heidelberg/DE

**Panel discussion: will computational imaging
maximise radiology's role in cancer care?**

New insights from basic science

Chair: L. Marti-Bonmati, Valencia/ES

Cancer and immune reaction

M. Ferreira, Lisbon/PT

**Identification and targeting of cancer
metastatic niches**

B. Costa Da Silva, Lisbon/PT

**Single cell imaging of tumour heterogeneity
and response to therapy in human-zebrafish
xenografts**

R. Fior, Lisbon/PT

**Panel discussion: challenges
in transnational Research**

Number of participants: 190

Country statistics: Australia 2, Austria 3,
Belgium 4, Brazil 2, France 1, Ireland 1, Korea 1,
Netherlands 3, Poland 2, Portugal 168, Romania 1,
Turkey 1, United States of America 1

Molecular imaging

Chair: D. Costa, Lisbon/PT

Radiomics - new markers in PET-CT

N. Schaefer, Lausanne/CH

Multiparametric MR and PET imaging of intratumoural biological heterogeneity

A.J. Beer, Ulm/DE

Diagnostic molecular pathology: reading a patient's tissue in the 21st century

A. Beltran, Lisbon/PT

Panel discussion: how to incorporate molecular imaging into the clinics?

Interventional oncology

Chair: F. Caseiro Alves, Coimbra/PT

Percutaneous image-guided cryoablation: current applications in cancer

A. Gillams, London/UK

Local ablation in oligometastatic disease

A. Gillams, London/UK

Image guided therapy in HCC: what is new?

A. Hatzidakis, Heraklion/GR

Panel discussion: the pros and cons of image-guided intervention in oncology

ASKLEPIOS Courses

LEVEL III

MULTIDISCIPLINARY APPROACH TO CANCER IMAGING

November 2-3, 2017

Rome/Italy

Host Organisers:

R. Beets-Tan, Amsterdam/NL

V. Valentini, Rome/IT

Topics and Faculty:

Imaging technology in radiotherapy for radiologists: Basic principle in radiation technology

U. van der Heide, Amsterdam/NL

Imaging technology in radiotherapy for radiologists: Clinical application

V. Valentini, Rome/IT

Imaging technology in radiology for radiotherapists: Basic imaging technology in radiology for radiotherapists

N. Papanikolaou, Lisbon/PT

Imaging technology in radiology for radiotherapists: Basic MR imaging in radiology for radiotherapists

V. Vilgrain, Clichy/FR

Advanced imaging technology in radiotherapy for radiotherapists: Radiation technology for radiotherapists

U. van der Heide, Amsterdam/NL

Advanced imaging technology in radiotherapy for radiotherapists: Radiation technology for radiotherapists

V. Valentini, Rome/IT

Advanced imaging technology in radiology for radiologists: MR physics for radiologists

N. Papanikolaou, Lisbon/PT

Advanced imaging technology in radiology for radiologists: Advanced MR in oncology: DWI, IVIM, perfusion, elastography - how to apply them in clinics

V. Vilgrain, Clichy/FR

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

V. Vilgrain, Clichy/FR

Liver - borderline resectable colorectal liver metastases: Surgical resectability criteria and results

F. Giulianti, Rome/IT

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

M. Hoyer, Aarhus/DK

Pancreas - borderline resectable pancreatic cancer: Anatomy of pancreas and nodal regions

S. Alfieri, Rome/IT

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

R. Manfredi, Rome/IT

Pancreas - borderline resectable pancreatic cancer: How to manage treatment - radiation and systemic

A.G. Morganti, Bologna/IT

**Workshop - Multidisciplinary tumour board 1:
The management of CRC liver metastases**

V. Vilgrain, Clichy/FR
F. Giulianti, Rome/IT
M. Hoyer, Aarhus/DK

**Workshop - Multidisciplinary tumour board 2:
The management of borderline resectable
pancreatic tumour**

R. Manfredi, Rome/IT
A.G. Morganti, Bologna/IT

Prostate cancer: Staging with imaging

H.-P. Schlemmer, Heidelberg/DE

**Prostate cancer: How to manage
treatment - surgery**

H. Van Poppel, Leuven/BE

**Prostate cancer: How to manage
treatment - radiotherapy**

P. Hoskin, London/UK

**Workshop - Multidisciplinary tumour board:
The management of early and advanced stage
prostate cancer**

H. Van Poppel, Leuven/BE
H.-P. Schlemmer, Heidelberg/DE
P. Hoskin, London/UK

**Rectal cancer: How to manage
treatment - surgery**

C. Van de Velde, Leiden/NL

**Rectal cancer: How to manage treatment -
radiation treatment**

V. Valentini, Rome/IT

Rectal cancer: MRI of rectal cancer

R. Beets-Tan, Amsterdam/NL

**Workshop - MRI rectal cancer: how to do
and interpret**

R. Beets-Tan, Amsterdam/NL

Workshop - How to manage cT3 tumours

C. Van de Velde, Leiden/NL
V. Valentini, Rome/IT

Number of participants: 77

Country statistics: Australia 1, Austria 1,
Belgium 4, Bulgaria 1, Canada 1, Chile 1,
Croatia 1, Denmark 3, Estonia 2, France 2,
Georgia 2, Germany 2, Greece 4, Israel 2, Italy 8,
Lithuania 1, Netherlands 8, New Zealand 1,
Norway 3, Poland 5, Portugal 2, Romania 9,
Slovakia 2, Spain 4, Sweden 1, Switzerland 3,
Turkey 2, United States of America 1

ASKLEPIOS Courses

LEVEL II+III

WOMEN'S IMAGING

December 7-8, 2017

Bratislava/Slovakia

Host Organiser:

V. Lehotska
Bratislava/SK

Topics and Faculty:

Update on advanced breast ultrasound including elastography
A. Athanasiou, Athens/GR

Digital breast tomosynthesis
S. Zackrisson, Malmö/SE

Breast imaging interventions
V. Lehotska, Bratislava/SK

MRI of the breast: state of the art
F. Sardanelli, Milan/IT

Imaging and management of the axilla
F. Kilburn-Toppin, Cambridge/UK

Advanced imaging protocols for female pelvis: normal findings and pitfalls
R. Manfredi, Rome/IT

Inflammatory disorders of the pelvis
R. Forstner, Salzburg/AT

Cervical cancer: diagnosis, staging and detection of recurrence
D. Akata, Ankara/TR

Imaging and staging of ovarian cancer
L. Mouloupoulos, Athens/GR

Number of participants: 82

Country statistics: Armenia 1, Australia 1, Belgium 2, Czech Republic 6, Germany 1, Greece 2, Hungary 2, Macedonia 1, Malta 2, Netherlands 1, Poland 2, Portugal 10, Romania 15, Slovakia 32, Slovenia 1, Turkey 1, United Arab Emirates 1, United States of America 1

LEVEL II

HEPATO-BILIO-PANCREATIC IMAGING BIOMARKERS

December 11-12, 2017

Valencia/Spain

Host Organiser:

L. Marti-Bonmati
Valencia/ES

Topics and Faculty:

GENERAL CONCEPTS

Concept and development of
imaging biomarkers and radiomics

L. Marti-Bonmati, Valencia/ES

Measurement, accuracy, precision,
confusion and validation

F. Garcia-Castro, Valencia/ES

Structure report in liver imaging and quantitation

L. Marti-Bonmati, Valencia/ES

LIVER: QUANTITATIVE ONCOLOGY

HCC and tumour hallmarks

V. Vilgrain, Clichy/FR

Contrast Enhanced and perfusion metrics
in oncology

M. Spérando, Paris/FR

G. Orieux, Lille/FR

Metastases and tumour response

V. Vilgrain, Clichy/FR

LIVER: QUANTITATIVE DIFFUSE DEPOSITS

Liver fat and inflammation

M. França, Porto/PT

Quantitative diffuse liver biomarkers

A. Alberich-Bayarri, Valencia/ES

Liver iron

M. França, Porto/PT

CLINICAL TRIALS

Imaging biomarkers in drug toxicity

J. Waterton, Manchester/UK

**BILIAR AND PANCREAS:
QUANTITATIVE ONCOLOGY**

Biliary tumours: prognosis tumour hallmarks
and tumour response

C. Matos, Lisbon/PT

Diffusion metrics in oncology

N. Papanikolaou, Lisbon/PT

Neuroendocrine tumours: hallmarks
and tumour response

C. Matos, Lisbon/PT

CLINICAL TRIALS

Imaging biomarkers in clinical trials
and daily practice

J. Waterton, Manchester/UK

Number of participants: 46

Country statistics: Argentina 1, Armenia 1,
Belgium 1, Greece 1, Hong Kong 1, Italy 2,
Malta 1, Netherlands 2, Portugal 1, Russian
Federation 1, Singapore 1, Spain 26, Switzerland 3,
Turkey 3, United States of America 1

LEVEL II+III

VISITING PROFESSORSHIP

Programme Ukraine

within the ESR Support Initiative

This Visiting Professorship Programme was organised within the frame of the ESR Support Initiative. This project, launched and announced in November 2014, aims to improve access to radiological training and educational resources for aspiring physicians and scientists in less affluent regions in Europe, with the goal of ensuring better healthcare for future generations in those regions. In 2017, Ukraine was selected by the ESR Board of Directors as the third country of this initiative.

The professorship was aimed at senior residents, board-certified radiologists and fellows interested in abdominal oncologic imaging. It was designed as an intense one-day programme, directly linked to the 5th Ukrainian Congress of Radiology, as part of the ESR Support Initiative. A particular focus was on the applications of the latest imaging techniques, diagnostic criteria, staging principles and clinical role of imaging in liver, pancreatic, renal and prostate cancer. Renowned European experts ensured a high-quality teaching programme, combining lectures and workshops, allowing for interactive case discussions.

ONCOLOGIC IMAGING

Date and Venue:

March 21, Kiev/UA

Host Organiser:

O.V. Shcherbina, Kiev/UA

Topics and Faculty:

Diagnostic imaging criteria for primary liver tumours: an update

L. Marti-Bonmati, Valencia/ES

Pancreatic cancer: detection, staging and evaluation of treatment response

N. Kartalis, Stockholm/SE

Differential diagnosis of focal renal lesions

H. Thoeny, Bern/CH

DWI in abdominal oncologic imaging

N. Kartalis, Stockholm/SE

Multidisciplinary liver Tumour Board Meetings

L. Marti-Bonmati, Valencia/ES

MRI of the prostate based on PIRADS version 2

H. Thoeny, Bern/CH

Number of participants: 72

Country statistics: Belarus 2, Moldova 5, Ukraine 47, Unknown 18

LEVEL II+III

VISITING PROFESSORSHIP

Programme Balkan Congress

within the ESR Support Initiative

This Visiting Professorship Programme was aimed at senior residents, board-certified radiologists and fellows interested in advanced neuroimaging. It was designed as an intense one-day programme, directly linked to the Balkan Congress of Radiology, as part of the ESR Support Initiative. A particular focus was on the cranial-cervical junction, the functional anatomy of the limbic lobe, association and commissural fasciculi, quantitative MRI biomarkers, inflammatory diseases of the brain, and post-treatment imaging in brain tumours. Renowned European experts ensured a high-quality teaching programme, combining lectures and interactive case-based discussions.

ADVANCED NEUROIMAGING

Date and Venue:

October 12, Budapest/HU

Host Organiser:

A. Palkó, Szeged/HU

Topics and Faculty:

The cranio-cervical junction revisited: from anatomy to physiopathology

P. M. Parizel, Antwerp/BE

Inflammatory diseases of the brain not MS

P. Sundgren, Lund/SE

Functional anatomy of the limbic lobe

T. Yousry, London/UK

Post-treatment imaging in brain tumour

P. Sundgren, Lund/SE

To measure is to know: developing quantitative MRI biomarkers

P. M. Parizel, Antwerp/BE

Association and commissural fasciculi (white matter tracts)

T. Yousry, London/UK

Number of participants: 68

Country statistics: Austria 1, Bulgaria 8, Croatia 3, Denmark 1, France 1, Greece 3, Hungary 7, Macedonia 2, Poland 1, Romania 5, Serbia 19, Slovakia 1, Slovenia 1, Sweden 1, Turkey 12, Ukraine 1, United Kingdom 1

VISITING PROFESSORSHIP

Programme Belarus

This Visiting Professorship was focused on advanced cardiac imaging and was aimed at senior residents and board-certified radiologists and fellows interested in cardiovascular radiology. The course was organized as an intensive one day event and combined state-of-the-art lectures and associated case-based workshops. The purpose of this Visiting Professorship in Minsk was to consolidate the knowledge in cardiac radiology and to provide an integrated, disease-oriented view into state-of-the-art cardiac imaging. The present course was focused on well-established and even emerging clinical applications of cardiac CT and cardiac MR in both emergencies as well as in more elective situations. The topics covered in this course included the role of imaging in acute chest pain and acute aortic syndromes, as well the differentiation of myocardial diseases based in MR derived biomarkers and the role of cardiac imaging in pericardial diseases. The faculty consisted of internationally renowned European speakers sharing their expertise in clinical Radiology and in education and their best cases.

ADVANCED CARDIAC IMAGING

Date and Venue:

November 23, Minsk/BY

Host Organiser:

I. Abelskaia, Minsk/BY

Topics and Faculty:

Imaging acute chest pain

H. Alkadhi, Zurich/CH

Imaging acute aortic syndromes

R. Maksimovic, Belgrade/RS

MR in ischemic heart disease

M. Francone, Rome/IT

CT and CTA in the diagnosis of stable angina

H. Alkadhi, Zurich/CH

MR in non-ischemic cardiomyopathies

M. Francone, Rome/IT

Update on imaging pericardial diseases

R. Maksimovic, Belgrade/RS

Number of participants: 59

Country statistics: Belarus 59



Visiting Seminars in Asia

AIMS

ADVANCED IMAGING MULTIMODALITY SEMINARS

This year's Advanced Imaging Multimodality Seminar (AIMS) was organised jointly with the Korean Society of Radiology (KSR) and the Korean Society of Ultrasound in Medicine (KSUM) and was supported by Bracco. The seminars are aimed at board-certified radiologists and specialists. These are organ- or subspecialty oriented, focused on the most recent diagnostic advances available and offer ample opportunities to share and exchange scientific knowledge and expertise. The seminar on "Contrast Enhanced Ultrasound" took place in Seoul, with joint European and Korean faculties and attracted 99 Korean radiologists.



LEVEL III

AIMS KOREA

**SEMINAR ON CONTRAST ENHANCED
ULTRASOUND**

Date and Venue:

July 15, Seoul/KR (99 participants)

Host Organiser:

Won Jae Lee, Seoul/KR

Topics and Faculty:

Hepatic applications of CEUS

Woo Kyoung Jeong, Seoul/KR

Non-hepatic applications of CEUS

Se Hyung Kim, Seoul/KR

Emergency applications of CEUS

Demosthenes Cokkinos, Athens/GR

Renal applications of CEUS

Jeong Yeon Cho, Seoul/KR

Non-renal applications of CEUS

Paul Sidhu, London/UK

Paediatric applications of CEUS

Annamaria Deganello, London/UK

Visiting Seminars in Latin America

AIMS

ADVANCED IMAGING MULTIMODALITY SEMINARS

After a very successful start of the AIMS Seminars in Brazil in 2012, and the AIMS Seminars in Mexico in 2013, these long-term initiatives were continued. These features were again realised in partnership with the Brazilian College of Radiology, the Mexican Federation of Radiology (FRMI) and the Mexican Society of Radiology (SMRI). The seminars in Mexico were organised with the invaluable support of our long-term partner Bracco. Both the AIMS Seminars in Brazil and in Mexico were aimed at participants from the respective country, in particular last-year residents, board-certified radiologists and specialists. The seminars in Mexico on “Imaging in Thoracic and Abdominal Non-Traumatic Emergencies” took place in Mexico City and Puebla and were attended by 85 and 66 participants respectively, a total of 151 participants. The AIMS programme in Brazil was dedicated to “Emergency Radiology” and was hosted in Belo Horizonte with 74 participants.



LEVEL II+III

AIMS MEXICO

IMAGING IN THORACIC AND ABDOMINAL NON-TRAUMATIC EMERGENCIES

Dates and Venues:

April 26, Mexico City/MX (85 participants)
April 28, Puebla/MX (66 participants)

Host Organisers:

G. Villegas López, Mexico City/MX
B. González Ulloa, Guadalajara/MX
J.L. Hernández Acosta, Puebla/MX

Topics and Faculty:

Imaging acute aortic syndrome

C. Loewe, Vienna/AT

New imaging insights into pulmonary embolism

M. Prokop, Nijmegen/NL

Non-traumatic perforation of the GI tract

G. Guerrero Avendaño, Mexico City/MX

**Acute infectious and inflammatory conditions of
the abdomen**

M. Salinas Chapa, Monterrey/MX

Imaging mesenteric Ischemia

M. Prokop, Nijmegen/NL

Imaging gynaecological emergencies

R. Forstner, Salzburg/AT

LEVEL II+III

AIMS BRAZIL

EMERGENCY RADIOLOGY

Date and Venue:

August 25-26, Belo Horizonte/BR
(74 participants)

Host Organisers:

L. Costa, Belo Horizonte/BR
C. Carvalho, Belo Horizonte/BR

Topics and Faculty:

Brain injury

M. Thurnher, Vienna/AT

Head and neck emergencies

A. Paes, Florianópolis/BR

Imaging acute aortic syndrome

C. Loewe, Vienna/AT

Chest trauma

D. Escuissato, Curitiba/BR

Acute abdomen: inflammation and its mimics

M. Zins, Paris/FR

**Non-traumatic abdominal emergencies in
children**

M. Raissaki, Heraklion/GR

**Non-traumatic neuroradiology emergencies
beyond stroke**

M. Thurnher, Vienna/AT

Imaging insights into pulmonary embolism

C. Loewe, Vienna/AT

Imaging mesenteric ischemia

M. Zins, Paris/FR

Female pelvis emergencies

A. Brandão, Rio de Janeiro/BR

**Imaging abdominal (thoracic-abdominal)
paediatric trauma**

M. Raissaki, Heraklion/GR

Sports injuries

C. Cavalcanti, São Paulo/BR

LEVEL III

JOINT CIR-ESR/ESOR COURSE

After a successful course in 2015, it was a great pleasure for ESR/ESOR and the Colegio Interamericano de Radiologia (CIR) to hold a course dedicated to the Advances in MRI on the occasion of CIR 2017 to further strengthen the already existing bond between Latin American and European Radiology.

This course was aimed at radiology residents, fellows and board-certified radiologists. It was designed to advance the knowledge on MRI cross-sectional imaging. The programme provides an update on MRI on the various organs/systems including Abdomen/GU, Breast, Neuro and MSK, as well as Paediatric and Foetal MRI applications. Renowned European experts and CIR professors highlighted the latest MRI advances as well as specific imaging strategies to answer clinical questions through didactic lectures combined with interactive case discussions.

ADVANCES IN MRI: FROM HEAD TO TOE

Date and Venue:

June 8-10, Cancún/MX

Host Organiser:

G. Soto, Santiago/CL

Topics and Faculty:

BREAST

Breast MRI: technical factors and sequences

M. Garza, Monterrey/MX

MRI BI-RADS

M.A. Pinochet, Santiago/CL

Breast cancer staging with MRI

J. Camps, Valencia/ES

DCIS and breast MRI

M. Garza, Monterrey/MX

MRI-guided breast interventions

T. Helbich, Vienna/AT

Breast MRI: less frequent indications

J. Rodríguez Lucero, Rosario/AR

Diffusion MRI

J. Camps, Valencia/ES

ABDOMINAL & UROGENITAL

Optimising protocols for abdominal MRI: time, quality and Tesla's

Y. Menu, Paris/FR

Anatomic variants of the abdomen

M. de Souza Rocha, São Paulo/BR

Primary malignant liver tumours excluding HCC

C. Ayuso, Barcelona/ES

Colorectal cancer with metastatic disease: revise your classics

Y. Menu, Paris/FR

MRI of benign liver tumours

P. Soffia, Santiago/CL

M. de Souza Rocha, São Paulo/BR

HCC staging: what is new in imaging and can predict prognosis

C. Ayuso, Barcelona/ES

MUSCULOSKELETAL

MRI imaging of the painful hip in young and middle aged adults

A. Karantanas, Heraklion/GR

Arthro MR of the hip

J. Bencardino, New York/US

MR neurography of the brachial and lumbosacral plexus

M. Rodriguez de Abreu, Porto Alegre/BR

MRI in hip arthroplasty: how I do it, applications

A. Burdiles, Santiago/CL

Current MRI of axial spondyloarthropathy

A. Karantanas, Heraklion/GR

MRI in arthritis

M. Rodriguez de Abreu, Porto Alegre/BR

BREAST

Potentials of breast MRI during neo-adjuvant chemotherapy

T. Helbich, Vienna/AT

MRI in high-risk lesions

J. Rodríguez Lucero, Rosario/AR

The gold standard: MRI vs. pathology

J. Camps, Valencia/ES

NEURORADIOLOGY

Neuroimaging in patients with traumatic brain injury: a practical guide

P.M. Parizel, Antwerp/BE

Brain infections: from image to pathogen

M. Thurnher, Vienna/AT

MRI in hypoxia-ischemia of the neonatal brain: full-terms and preterm

M. Argyropoulou, Ioannina/GR

ABDOMINAL & UROGENITAL

CT and MRI of vascular liver lesions

M. de Souza Rocha, São Paulo/BR

CT vs. MRI in solid pancreatic tumours

P. Soffia, Santiago/CL

MRI of cystic pancreatic tumours

P. Soffia, Santiago/CL

CT/MR urography

J. Fütterer, Nijmegen/NL

MRI of deep pelvic endometriosis

D. Stoisa, Rosario/AR

Pelvic floor imaging

J. Fütterer, Nijmegen/NL

Assessment of adnexal masses with MR

D. Stoisa, Rosario/AR

MUSCULOSKELETAL

Iliotibial band: from A to Z

A. Burdiles, Santiago/CL

MRI of glenohumeral instability

J. Bencardino, New York/US

MRI of the ankle and foot in children

U. Aydingoz, Ankara/TR

MRI evaluation of ankle tendons

J. Bencardino, New York/US

MRI approach of bone tumours

J. Vidal, San Juan/US

MRI of the hands and fingers

U. Aydingoz, Ankara/TR

MRI approach of soft tissue tumours

J. Vidal, San Juan/US

NEURORADIOLOGY

Brain tumours: what is each technique telling us about the tumour?

M. Thurnher, Vienna/AT

MRI of the pituitary gland in children

M. Argyropoulou, Ioannina/GR

To measure is to know:

developing quantitative MRI biomarkers

P.M. Parizel, Antwerp/BE

Imaging tinnitus deafness of conductive and neurosensorial origin

C.I. Torres, Montreal/CA

Spinal cord tumours

P. Cortés, Montreal/CA

Spinal cord tumour mimics

P. Cortés, Montreal/CA

PAEDIATRIC

MR urography

L. Pérez, Santiago/CL

MRI of osteoarticular infections

I. Barber, Barcelona/ES

MRI in paediatric gynaecology

L. Pérez, Santiago/CL

Whole body MRI

I. Barber, Barcelona/ES

Foetal MRI

L. Pérez, Santiago/CL

MR enterography

I. Barber, Barcelona/ES

CARDIAC

Cardiac imaging techniques to prevent sudden cardiac death:

from cardiomyopathies to ischemic heart disease

M. Francone, Rome/IT

Cardiac MRI in congenital heart disease

A. Meave, Mexico City/MX

MRI angiography of the aorta: Marfan syndrome and Takayasu disease

E. Kimura, Mexico City/MX

Added value of MR in the evaluation of cardiac inflammation

M. Francone, Rome/IT

CMR in myocarditis and Chagas cardiomyopathy

E. Kimura, Mexico City/MX

CMR in other cardiomyopathies: dilated, amyloidosis, sarcoidosis.

Takotsubo, non-compacted cardiomyopathy

A. Meave, Mexico City/MX

Number of participants: 236

Country statistics: Argentina 20, Belize 2, Bolivia 7, Brazil 3, Chile 14, Colombia 9, Costa Rica 6, Cuba 3, Dominican Republic 6, Ecuador 13, El Salvador 5, Guatemala 10, Honduras 3, Mexico 90, Nicaragua 1, Panama 6, Paraguay 3, Peru 27, Puerto Rico 1, United States of America 1, Uruguay 6



LEVEL II+III

VISITING PROFESSORSHIP

Programme Uzbekistan

The aim of this one-day intense multi thematic course was to enhance and consolidate the tutorials in Central Asia and further the educational opportunities for senior residents, board-certified radiologists and fellows from Uzbekistan and neighbouring countries. It was designed to update professional knowledge of current imaging options and strategies in a number of selected clinical conditions. Renowned European experts ensured a high-quality teaching programme.

THORACIC AND ABDOMINAL IMAGING

Date and Venue:

June 8, Tashkent/UZ

Host Organiser:

M. Khodjibekov, Tashkent/UZ

Topics and Faculty:

Breast cancer: the value of MR mammography

V. Panov, Moscow/RU

Imaging of community acquired pneumonia

I. Tyurin, Moscow/RU

Imaging and management of pulmonary nodule

I. Tyurin, Moscow/RU

MR imaging of the small bowel

N. Gourtsoyiannis, Athens/GR

Multimodality imaging of lung cancer

I. Tyurin, Moscow/RU

MRI in gynaecological malignancies

V. Panov, Moscow/RU

Primary small bowel malignancies: radiologic pathologic correlations

N. Gourtsoyiannis, Athens/GR

MRI in prostate cancer

V. Panov, Moscow/RU

Imaging in facial bones injuries

Y. Khodjibekova, Tashkent/UZ

Number of participants: 60

Country statistics: Uzbekistan 60

LEVEL III

VISITING PROFESSORSHIP

Programme Colombia

This Visiting Professorship Programme was aimed at senior residents, board-certified radiologists and fellows interested in head and neck imaging and was designed as an intense one-day programme covering key topics in head and neck pathologies. It was intended to offer practical insights into head and neck challenging problems encountered in the every-day practice, as in lesions of the orbit, larynx, temporal bone and neck. A special attention was given to the latest development in CT and MR to optimise the detection, characterisation, local and regional tumour mapping and follow-up of head and neck neoplasms. The course also provided an overview of the potential of high-resolution Cone Beam Computed Tomography for low-dose imaging of temporal bone and sinuses. Renowned European lecturers ensured a high-quality teaching programme, combining lectures and workshops, allowing case-based interactive panel discussions in small groups. The course in Cartagena was directly linked to the Colombian Congress of Radiology, while the course in Bogotá was held at the ESR Latin America Office.

HEAD AND NECK RADIOLOGY

Dates and Venues:

August 1, Bogotá/CO
August 3, Cartagena/CO

Host Organisers:

S. Bermúdez, Bogotá/CO
F. Lubinus, Bucaramanga/CO

Topics and Faculty:

Imaging of sinusal lesions
R. Maroldi, Brescia/IT

Common pathology of the temporal bone
J.W. Casselman, Bruges/BE

Imaging of orbital pathologies
B. Schuknecht, Zurich/CH

Neck spaces: anatomy and pathology
J.W. Casselman, Bruges/BE

Imaging of the larynx
R. Maroldi, Brescia/IT

Lumps and bumps in the neck
B. Schuknecht, Zurich/CH

Number of participants Bogotá: 40
Country statistics: Australia 1, Colombia 36, Cuba 2, United States of America 1

Number of participants Cartagena: 57
Country statistics: Colombia 47, Costa Rica 3, Ecuador 2, Mexico 1, Panama 2, Peru 2

LEVEL II+III

VISITING PROFESSORSHIP

Programme Argentina

This Visiting Professorship Programme was aimed at senior residents, board-certified radiologists and fellows interested in high-quality abdominal imaging. This intense one-day programme was articulated on imaging strategies for liver, pancreas and small bowel pathologies, with emphasis in technical strategies and reporting guidelines. Latest cross-sectional imaging techniques were discussed regarding lesion detection, characterisation, staging and follow-up with radiological-pathological correlation. Renowned European lecturers ensured a high teaching quality programme, hybrid combining lectures and workshops, allowing for interactive case discussions. The course took place one day after the National Meeting of Residents, where young physicians representing their respective schools presented clinical-radiological cases of interest. These cases were discussed together with their fellow residents under the coordination of experts.

ABDOMINAL IMAGING

Date and Venue:

November 4, Mar del Plata/AR

Host Organisers:

S. Costantinos, Mar del Plata/AR

A. Martinez, Buenos Aires/AR

Topics and Faculty:

MR imaging of focal liver lesions: detection and characterisation

L. Marti-Bonmati, Valencia/ES

MR imaging of the pancreas: an update

C. Matos, Lisbon/PT

MR enteroclysis of the small bowel: state of the art

N. Gourtsoyiannis, Athens/GR

MR imaging of diffuse hepatic parenchymal disease and HCC

L. Marti-Bonmati, Valencia/ES

Clinical applications of diffusion-weighted imaging and MR perfusion studies in the abdomen

C. Matos, Lisbon/PT

Most common primary malignancies of the small bowel: radiologic pathologic correlations

N. Gourtsoyiannis, Athens/GR

Number of participants: 197

Country statistics: Argentina 189,

Peru 1, Unknown 7



LEVEL II+III / ASTANA
LEVEL I+II / GRAZ

TUTORIALS

In 2017, two ESOR Tutorials were organised in Astana/Kazakhstan and Graz/Austria.

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

The ESOR Graz Tutorial was organised by the Medical University Graz under the chairmanship of Prof. M. Fuchsjäger and supported by the ESR. The aim of the tutorial was to further the experience of young radiologists, residents in their last year of training and board-certified radiologists, in daily radiological practice through intense teaching and exchange in a European reference centre. The participants, 12 radiologists from Russia and CIS countries, were offered one week of practical and theoretical knowledge and the opportunity to be integrated in the activities of an academic department of radiology.



ESMRMB SCHOOL OF MRI

With its wide range of activities and fruitful engagement with its partners, ESOR has built up a network of quality assured European educational activities in radiology in Europe and beyond, including a partnership with the School of MRI of the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB). The ESMRMB School of MRI programme is targeted at physicians and radiographers/technicians and offers advanced clinical courses in the field of MRI. The courses offer the opportunity to enhance knowledge and to get prepared for the need of modern daily MR business. 50% of the total teaching time is used for repetition sessions and case discussions in small groups in order to intensify the learning experience.

In 2017, nine School of MRI courses took place, with approximately 400 participants from over 40 different countries. Furthermore, the ESMRMB again offered a basic online educational course in applied MR techniques. Over the course of seven weeks, the course concerned one topic per lesson (1.5 h) and was generally aimed at those who have no or little physical and mathematical background, but would like to understand the process of image formation and the sequences of usual clinical MR imaging. The great advantage of this web-based teaching is not only its steady global increase but also the possibility to learn from anywhere. The eLearning course will be part of the programme once again in 2018 and will be complemented by an advanced course on applied MR techniques.

Overall, thanks to the continuing commitment of the organisers and speakers, the ESMRMB has held 168 courses since the year 2000. The cooperation between ESOR and the ESMRMB School of MRI has been of high value to both and is therefore being continued.

Course	Venue	Date	Participants
Advanced MR Imaging of the Musculoskeletal System	St.Petersburg/RU	May 18-19	37
Advanced Cardiac MR Imaging	Basel/CH	May 18-20	34
Clinical fMRI & DTI Theory and Practice	Porto/PT	June 15-17	36
Advanced Neuro Imaging: Diffusion, Perfusion, Spectroscopy	Geneva/CH	August 31 - September 2	45
Advanced MR Imaging in Paediatric Radiology	Lille/FR	September 7-9	Cancelled
Advanced MR Imaging of the Abdomen	Palermo/IT	September 14-16	37
Advanced MR Imaging of the Musculoskeletal System	Lisbon/PT	September 28-30	74
Advanced Breast & Female Pelvis MR Imaging	Krakow/PL	September 28-30	33
MR Safety	Bolzano/IT	October 5-7	35
Body Diffusion-weighted MRI: Solving Clinical Problems and Diagnostic Dilemmas	Brussels/BE	November 8-10	Cancelled
Advanced Head & Neck MR Imaging	St. Julian's/MT	November 16-18	55
eLearning: Basic Course on Applied MR Techniques	7 modules	October 30 - December 18	40

FURTHER ACTIVITIES

CONTRIBUTION TO “ESR EDUCATION ON DEMAND”

ESOR is contributing to the ESR Education on Demand platform with several online courses, which have the goal to offer radiologists high-quality teaching from home. In 2017, over 20 online courses were available on the ESR Education on Demand platform, all of which included e-learning content in the form of recorded lectures with presentation material.

PARTNERSHIPS WITH THE EUROPEAN SOCIETY OF NEURORADIOLOGY, DIAGNOSTIC AND INTERVENTIONAL (ESNR)

The European Society of Neuroradiology, Diagnostic and Interventional (ESNR) and its European Course of Neuroradiology (ECNR) has finished the 2nd module of the 14th cycle “Tumours” in spring with 357 participants from 53 countries. The 3rd module has been held in autumn on “Vascular diseases” with 330 participants from 53 countries.

VISITING SCHOLARSHIP PROGRAMMES EXCHANGE PROGRAMMES FOR FELLOWSHIPS ONE-YEAR FELLOWSHIPS

VISITING SCHOLARSHIP PROGRAMMES

In 2017, 37 places were available in Europe with the support of Bracco, the ESR and the Spanish Foundation of Radiology. Two of these scholarships were offered to Ukrainian residents within the ESR Support Initiative.

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

In total more than 315 residents have applied for the various programmes.

EXCHANGE PROGRAMMES FOR FELLOWSHIPS

In partnership with the European subspecialty societies, 26 junior radiologists had the possibility to pass modular training in their chosen subspecialty. The programmes included abdominal radiology (ESGAR – four trainees), breast radiology (EUSOBI – three trainees), cardiac radiology (ESCR – two trainees), head and neck radiology (ESHNR – three trainees), musculoskeletal radiology (ESSR – two trainees), neuroradiology (ESNR – five trainees), paediatric radiology (ESPR – four trainees) and thoracic radiology (ESTI – three trainees). In total 130 young radiologists applied for the various topics.

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

ONE-YEAR FELLOWSHIPS

In 2017, ESOR continued to organise the full one-year fellowships. This programme allowed seven recently board-certified radiologists to undertake a twelve-month training at some of the most renowned European training centres.

To that end, a special word of thanks is due to the highly esteemed academic training centres and tutors, who enabled more than 2900 trainees to apply for these programmes over the last ten years.

VISITING SCHOLARSHIP PROGRAMMES

My experience



Vytautas Augustinavičius

Vilnius University Hospital Santariskiu Klinikos, Vilkija/Lithuania

Topic: Musculoskeletal Radiology

Training Centre: Heidelberg University Medical Center, Heidelberg/Germany

I would like to thank ESOR for the great opportunity to expand my knowledge of musculoskeletal radiology in one of the leading university in Germany. My mentor was C. Rehnitz, head of the MSK department - great teacher and experienced professional of his field. He and his amazing team were hospitable and friendly. They welcomed me as one of their own. I had the opportunity to participate in all daily work: multidisciplinary meetings, radiology reporting of all modalities and observed intervention procedures. I greatly expanded my knowledge in MSK radiology, found new friends and hope to apply my acquired expertise in my country.



Eglė Bakučionytė

Hospital of Lithuanian Health Sciences, Kaunas/Lithuania

Topic: Chest Radiology

Training Centre: Hospital Universitario y Politecnico La Fe, Valencia/Spain

I am very grateful to ESOR for awarding me a three-month fellowship in thoracic imaging at the University Hospital La Fe in Valencia. I would like to thank all Cardio-Thoracic Radiology Section for making me feel welcome. I am especially grateful to my amazing tutors Dr. Pilar Calvillo and Dr. Carlos Muñoz Nuñez for teaching me practical as well as theoretical aspects, for sharing with me practical pearls from their deep experience. I found their enthusiasm in radiology very inspiring and motivating. During my visit I was involved in diagnostic imaging, interventional procedures and attending the multidisciplinary meetings. This scholarship provided me with a valuable educational and cultural experience, which broadened my horizons. I would like to encourage other residents to apply for this incredible opportunity to experience a different learning environment.



Kamil Bekalarek

Ludwik Perzyna'S Provincial Polyclinical Hospital, Kalisz/Poland

Topic: Emergency Radiology

Training Centre: Innsbruck Medical University, Innsbruck/Austria

I am very grateful to the ESOR/ESR for a unique opportunity to expand my knowledge in Emergency Radiology at the Medical University in Innsbruck as a part of the ESOR Visiting Scholarship. During the 3-month period of my scholarship I could participate in the daily department work with numerous interesting cases and learn on brilliant teaching sessions and lectures organized by the department. I had an opportunity to observe and actively take part in planning and interpreting examinations - especially in CT field. I was able to attend in multidisciplinary trauma and surgery meetings, which helps me to better understand clinicians' expectations from our radiological exams and reports. I am especially thankful to my tutor Dr. Eva-Maria Gassner for her excellent teaching and sharing of vast knowledge. I would also like to thank all specialists and residents for warm welcome, support and common time spent in the department. My ESOR Scholarship was indeed huge step in my radiological career.



Iryna Bekalo

Medicap MC, Odessa/Ukraine

Topic: Abdominal Radiology

Training Centre: Pitié-Salpêtrière University Hospital, Paris/France

I would like to thank ESOR for giving me this exceptional opportunity to spend three months in the Imaging Department at Pitié-Salpêtrière University Hospital in Paris. I have been involved in all activities of the department: diagnostic imaging, interventional procedures and attending the multidisciplinary meetings and educational lectures. I would like to express special appreciation to the Chairman of the Radiology Department, Prof. Olivier Lucidarme and to all doctors for sharing knowledge with me. Knowledge and skills gained during such subspecialised training are invaluable. These three months brought me the most exciting experience in my professional career.



Jasmina Boban

Oncology Institute of Vojvodina, Sremska Kamenica/Serbia

Topic: Neuroradiology

Training Centre: Medical University of Vienna, Vienna/Austria

Thanks to the ESOR committee I was given this great opportunity to complete a three-month-scholarship in Neuroradiology at AKH, Medical University of Vienna, Austria, under the supervision of Prof. Dr. Daniela Prayer, who made me feel welcome and integrated me into work of a busy neuroradiology team. For me it was an honour to learn from the leading neuroradiologists in Europe, and to be a part of an excellent radiology team, dealing with very interesting and challenging cases. I have to express my deep gratitude to Prof. Dr. Majda Thurnher, who was very kind to enable me to get engaged in scientific work also, alongside with everyday routine, and to take part in research project. The experience of working with this exceptional and devoted teacher, has turned my stay in Vienna into one of the best periods in my life. Thanks to other employees at the department for making me feel welcome and for sharing their experiences and knowledge with me. I was lucky to be at the department during teaching sessions, which gave me the unique opportunity to expand my knowledge in the field. Also, every day I attended department meetings, where the most interesting cases were discussed. I would like to thank the ESOR for this invaluable experience in my professional career and to encourage residents around Europe to take advantage of this opportunity.



Nino Bogveradze

Research Institute of Clinical Medicine, Tbilisi/Georgia

Topic: Oncologic Imaging

Training Centre: Heidelberg University Medical Center, Heidelberg/Germany

I would like to express my gratitude to ESOR/ESR, it was a great honour to be a part of a world's leading Radiology team and to be able to gain profound knowledge from professionals such as the head of department Prof. Hans-Ulrich Kauczor and my supervisor M.D. PHD Tim Weber. It was a memorable and rewarding experience to work alongside with the radiological personal of this institution. I have never met such welcoming and professional staff whose single goal was to add value and deepen my understanding of my professional development. My everyday activity was replete with academic lectures, teaching sessions, case reports, multidisciplinary meetings, observation of many interventional procedures. I had the opportunity to learn how to work with up-to-date diagnostic imaging tools and sequences in areas of oncologic imaging. Furthermore, this scholarship gave me strong understanding of oncologic imaging including early diagnosis, follow-up of patients and the vital role of multidisciplinary teams in oncological patient's treatment process. Additionally I was supported to start scientific work and thanks to my Supervisor Dr. Tim Weber we have launched together a retrospective study. Words cannot describe my appreciation to the founders of this program. This experience has had a major impact on the thinking of my career path. Right now I have a clear vision for my future desires for my professional accomplishments.



Enrico Boninsegna

Policlinico G.B. Rossi, University of Verona, Verona/Italy

Topic: Abdominal Radiology

Training Centre: Cambridge University Hospitals NHS Trust - Addenbrooke's Hospital, Cambridge/United Kingdom

I am very grateful to ESOR for giving me the opportunity to spend three months at Addenbrooke's Hospital in Cambridge, UK. During this period, I was able to participate in all available activities of the Radiology department, including reporting sessions, teaching lectures and daily multi-disciplinary meetings on different abdominal pathologies. I would like to express my gratitude to Prof. Fiona Gilbert, to my tutor Dr. Edmund Godfrey and to the Gastrointestinal team (Dr. Siobhan Whitley, Dr. Sara Upponi and Dr. David Bowden) for their warm welcome, support and willingness to share their knowledge. During this time, I improved my knowledge and my practice in all the imaging techniques and I enjoyed seeing another point of view at work. I would like to encourage all registrars/residents in Europe to take advantage of this experience that ESR offers.



Dorota Czyzewska

Maria Sklodowska-Curie Memorial Cancer Center, Institute of Oncology, Warsaw/Poland

Topic: Urogenital Radiology

Training Centre: Cambridge University Hospitals NHS Trust - Addenbrooke's Hospital, Cambridge/United Kingdom

I would like to express my gratitude to ESOR for giving me the opportunity to gain knowledge in genitourinary radiology during a three-month scholarship in the Department of Radiology in Addenbrooke's Hospital in Cambridge. Aside from learning radiology through a number of cases, teachings, lectures, and conferences, I could also meet many wonderful people from both hospital and academic staff. Special thanks to my tutor, Dr. Tristan Barrett, who is an exceptional teacher and an inspiring person! Altogether, I will certainly remember my scholarship in beautiful Cambridge as a great experience. I would also like to strongly encourage young radiologist to take part in scholarships organized by ESOR.



Juan José Delgado Moraleda

Hospital Universitario y Politecnico La Fe, Valencia/Spain

Topic: Neuroradiology

Training Centre: Pitié-Salpêtrière University Hospital, Paris/France

I would like to thank ESOR and ESR for giving me the opportunity of attending for three months the Neuroradiology Department at the Pitié-Salpêtrière Hospital in Paris. It has been a real honor for me to be part of a team of excellent professionals, discuss with them high-level radiological cases and learn neuroradiology in the courses they teach. In addition, during my stay I have been engaged in a scientific project on brain tumors. This, in addition to learning neuroradiology, has helped me to improve my skills as a researcher. I would especially like to express my gratitude to the Head of Department Pr. Didier Dormont, to my tutor Dr. Nadya Pyatigorskaya and to other great radiologists, from whose great knowledge I have learned a lot, such as Pr. Stéphane Lehericy or Dr. Alicia de Villanueva. No doubt, this excellent educational experience will indelibly contribute to my future academic and clinical career.



Fabio Martino Doniselli

University of Milan, IRCCS Policlinico San Donato, San Donato Milanese/Italy

Topic: Neuroradiology

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

Thanks to the ESOR Programme I could spend three months in one of the most important centers for neurology and neurosurgery in Europe, in effervescent London. There I had the opportunity to learn from very skilled professionals and test another training environment, being involved in every field of their daily work. Plenty of weekly meeting were open to be joined all around the neuroscience campus of Queen Square, with specialists working on every branch of brain, spine and peripheral nerve pathology. During my days in Lysholm Department of Neuroradiology I also followed the physicist team during advance neuroimaging acquisition and post-processing, and discuss the results with the dedicated consultants. I could regularly allocate some hours to a little research project, assigned basing on my specifically field of interest. Furthermore, my tutor has been a great mentor: every day he revised with me my reports and he stimulated my curiosity and the deepening of my knowledge in neuroradiology. I definitely recommend this experience to widen our horizons: meet new professionals, join trained groups of experts and enjoying the delight of discovering the hugeness of our beautiful world.



Hamideh Ebadat

Namazi Hospital, Shiraz/Iran

Topic: Breast Imaging

Training Centre: Jena University Hospital, Jena/Germany

I would like to express my deepest gratitude to ESOR/ESR for awarding me this generous three months scholarship in Breast Imaging in institute for diagnostic and interventional radiology in the Jena university hospital. On my arrival, I was warmly welcomed by my coordinator, Mrs. Laura Graziani. During my training period, I had the opportunity to participate in daily morning reports as well as educational lectures. I am grateful to my tutor, Dr. Aimee Herzog, who provided me wonderful experience in the field of breast MRI. I appreciate Dr. Susanne Wurdinger for her warm welcome and enriching me with screening and diagnostic mammography. Also I got the chance to observe breast interventions and attend the multidisciplinary sessions in her office. Finally I want to thank the director of the department, Prof. Ulf Teichgräber and all radiology residents and staffs. This scholarship will undoubtedly influence my future career and women's imaging in my country and I would definitely encourage radiology residents all over the world to apply for this unique opportunity.



Maria Clara Fernandes

Hospital Universitário Clementino Fraga Filho, Rio de Janeiro/Brazil

Topic: Oncologic Imaging

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

I am very grateful to ESOR for giving me this invaluable opportunity to participate in a three-month training in oncologic imaging at one of the best oncologic centers in the world - Memorial Sloan Kettering Cancer Center. It was an inspiring experience to learn from outstanding radiologists and to take part in research projects there. I would like to express my deep gratitude to all faculties for the kindness in sharing their knowledge with me and in particular to my mentors Dr Iva Petkovska and Dr Richard Do. Moreover, I would like to thank all MSKCC employees and the other fellows for their receptivity and friendship. The time spent at MSKCC will definitely influence my professional career and future life. MSKCC is a place I will keep a wonderful memory!



Marco Antonio Flores Torres

Médica Sur, Mexico City/Mexico

Topic: CEUS

Training Centre: Hospital Universitari Vall d'Hebrón, Barcelona/Spain

I would like to thank the ESOR for awarding me with this three-month visiting scholarship in contrast enhanced ultrasound at the Hospital Universtari Vall d'Hebron in Barcelona, Spain. It has been an outstanding opportunity for my professional career, being able to learn the usefulness of this technique and its close relationship with interventional procedures guided by ultrasound. I would like to express my gratitude to all the department staff, specially my tutor Dr. Xavier Serres. It was inspiring to work with such a passionate person, who enjoys his work and is willing to share his knowledge, not only in his field of expertise but also as an example of humanity and will of service, showing me the importance of the physician-patient relationship.



Konstantinos Frigkas

University General Hospital of Alexandroupolis, Alexandroupolis/Greece

Topic: Urogenital Radiology

Training Centre: European Institute of Oncology, Milan/Italy

I am very thankful to the ESOR community for giving me the opportunity to spend this three months of Urogenital training at the European Institute of Oncology in Milan. The members of the Radiology Department gave me a warm welcome and the chance to actively participate in the procedures that are performed, making me feel like a member of the team. Under the supervision and mentorship of my tutor, Dr. Giuseppe Petralia and Prof. Massimo Bellomi, I participated in the evaluation of examinations and took part in multiple multidisciplinary meetings, teaching sessions and case reports, thus giving me the chance to learn more about Urogenital Imaging. I want to thank Drs. Alessi, Funicelli and Pricolo for transmitting me their daily experience with patience and willingness. This experience made me want to deepen even further in Urogenital Radiology and especially in MRI-guided prostate cancer biopsy, mpMRI of the prostate and whole body MRI, a well promising field in Oncologic Imaging. I have no doubt this experience will broaden my horizons and will contribute immensely to my next professional steps.



Snezhina Ventsislavova Georgieva

Alexandrovska University Hospital, Sofia/Bulgaria

Topic: Emergency Radiology

Training Centre: Inselspital, University Hospital Bern, Bern/Switzerland

The ESOR Visiting Scholarship gave me the unique opportunity to be trained in such a respected, well-equipped and acknowledged centre as the University Institute of Diagnostic, Interventional and Paediatric Radiology of the Inselspital Bern under the supervision of my tutor Dr. Frank Mosler and the Director of the Institute Prof. Dr. Johannes Heverhagen. I am very thankful for this splendid opportunity. In the emergency department, I was able to see, interpret and report images of all modalities of modern trauma and emergency radiology as there are x-rays, ultrasound, computer tomography, Lodox and magnetic resonance imaging with teaching and supervision of my tutors. Within my stay of 90 days there were performed the following radiologic and neuroradiologic emergency exams in this institute with all kind of patients with paediatric, traumatic, neurologic and internal medicine emergencies: 2.200 CT; 350 MRI; 450 Ultrasound; 2700 Xrays and 360 Lodox examinations. I am really very grateful to ESOR and ECR for giving me this opportunity of this great educational experience and the privilege to be part of this excellent team of Radiologists. During my educational period, I was fully involved in all activities of the Department, morning Teachings, educational lectures, case reporting and attendance to multidisciplinary daily boards. I would like to say thank you to all Department members who were very nice and made my stay comfortable and useful. This program will definitely influence my future career and will help me become a better radiologist.



Natalia Grondecka

University Hospital in Lublin, Lublin/Poland

Topic: Head and Neck Radiology

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

Thank you ESOR for choosing me for the Visiting Scholarship Programme 2017, it has been a truly amazing experience! I feel very privileged to have been given the opportunity to spend three fruitful months in The Gemelli University Hospital in Rome, Italy. This scholarship allowed me to improve my skills and expand my knowledge in Head and Neck Radiology under the supervision of the best specialists. I have had the chance to learn from outstanding faculty and gain real-life work experience. I have been involved in all clinical and educational activities of the Radiology Department, such as case reports, multidisciplinary meetings, tumour boards, seminars and lectures. I would also like to thank Prof. Colosimo, the Head of Department, for his warm welcome and hospitality. Finally, I wish to express my deepest sense of gratitude to Prof. Tartaglione, my awesome tutor, for his guidance, support, time and efforts shown to me during the scholarship.



Amit Gupta

Guy's and St Thomas' NHS Foundation Trust, London/United Kingdom

Topic: Urogenital Radiology

Training Centre: Azienda Ospedaliero Universitaria Careggi, Florence/Italy

As part of the uro-radiology team in one of the biggest uro-radiology departments in Italy, I had exposure to specialist CT and MR imaging. I was able to supervise the acquisition of these scans and interpret them. All reports were discussed with the Consultant uro-radiologist. In addition to cross sectional techniques I observed simple ultrasound and contrast enhanced renal ultrasound, renal biopsies and transperineal (non-saturation, targeted) prostatic biopsy. I learnt about a different model of healthcare, and also about a different model of training for residents. Overall I found this to be an unforgettable and very fulfilling 3 months.



Amela Hasa

University Hospital Center "Mother Theresa", Tirana/Albania
Topic: Oncologic Imaging
Training Centre: Pitié-Salpêtrière University Hospital, Paris/France

I am very grateful to ESOR for awarding me with this three-month scholarship in Oncologic Imaging at one of the leading and largest European University Hospital Centers, Pitié-Salpêtrière in Paris. I would like to express my deep gratitude to the Head of Department, Prof. Olivier Lucidarme and his radiology team for welcoming me. I had the opportunity not only to take part in daily work of Oncological and Polyvalent Radiology Department, but also to follow academic lectures and multidisciplinary meetings. During the scholarship I learned how to work with advanced up-to-date diagnostic imaging tools and basic elements of Oncologic Imaging: early diagnosis and radiological follow-up of cancers. I would like to give special thanks to Prof. Jean Louis Brasseur, the Head of Musculoskeletal Imaging, the passion with which he worked and gave lectures, was truly inspirational for me. The beauty of Paris and the knowledges I gained, made this three months remain invaluable in my memory.



Olena Hural

Lviv Phthisio-Pulmonological Diagnostic Center, Lviv/Ukraine
Topic: Chest Radiology
Training Centre: Heidelberg University Medical Center, Heidelberg/Germany

I am very grateful to ESR and ESOR for giving me this unique opportunity to participate in a three-month visiting scholarship in Chest Radiology at Heidelberg University Hospital, "Thoraxklinik", Germany. During this period, I was able to participate in weekly postgraduate education lectures, daily multi-disciplinary meetings on different chest pathologies with the focus on oncology imaging and idiopathic lung diseases imaging. It was a great honor for me to have Prof. Claus Peter Heussel as a tutor. I also like to express my gratitude to him and his radiology team (i.e. Prof. Maria-Katharina Ganten, PD Dr. Monika Eichinger, Dr. Joseph Kunz, Dr. Daiva-Elzbieta Optazaitė) for making me feel welcome and part of their team, and providing me with a very high level of clinical and scientific training and sharing their experience in chest radiology with me. While I was able to speak English with radiologists, clinical work and boards run in German. My German skills did improve therefore significantly meanwhile. This experience broadened my interest and knowledge in chest Radiology, improved my interpretation and reporting skills which I will use in the future when working in the hospital in my home country Ukraine.



Ileana Ioan

University of Milan, IRCCS Policlinico San Donato, San Donato Milanese/Italy
Topic: Breast Imaging
Training Centre: Netherlands Cancer Institute - Antoni van Leeuwenhoek, Amsterdam/The Netherlands

I spent three months (September 2017-December 2017) at the Division for Breast imaging of Netherlands Cancer Institute (AVL). In this period I did both clinical and scientific activity on this topic. I was always guided in my work and aims and in a few months, I have improved my skills in breast imaging cancer and obtained good results, also in the research part. I also took part in multidisciplinary meetings that were very useful to me. Moreover, I practiced and improved my English. I would recommend this experience to everyone because it has enriched me from many points of view, such as a good training project in my work as well as an important personal experience.



Malwina Kaniewska

Kantonsspital Baden, Baden/Switzerland

Topic: Musculoskeletal Radiology

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

Thank you very much to the ESOR for providing me with this great learning opportunity. It was a pleasure to learn musculoskeletal radiology at LUMC, the centre of excellence in terms of bone tumours diagnostics. I am very grateful to my tutor Dr. Monique Reijnierse and to the other members of the team (Dr. Navas, Dr. Kroon, Prof. Bloem) for their didactic approach and for their willingness to teach and share knowledge. The LUMC is one of the biggest academic hospitals in The Netherlands and also a state-of-the-art bone and soft-tissue tumour imaging centre with impressive multidisciplinary cooperation with orthopaedic surgeons, pathologists, oncologists. During my stay in Leiden I was enrolled in a daily clinical work (reading sessions, multidisciplinary meetings and educational lectures). The National Bone Tumour Committee, which takes place once a month, was a wonderful opportunity to see different cases and the process of discussing them. It might be advisable to speak Dutch, as most meetings are performed in Dutch. It has been a very important experience in my professional career and I am very happy to visit the LUMC for this musculoskeletal training.



Jūrate Kemėšienė

Hospital of Lithuanian Health Sciences, Kaunas/Lithuania

Topic: Abdominal Radiology

Training Centre: Hospital Universitari Vall d'Hebrón, Barcelona/Spain

First of all, I would like to thank ESOR team for this amazing opportunity. The time spent in Barcelona, in Hospital Universitari Vall d'Hebron, abdominal radiology training, was unforgettable. During three months I have learned a lot. Basically my training was divided in three groups: one month in MRI area, one month in ultrasound and one month in CT. I really liked this rotation, because it allowed me to concentrate and practice my skills in one diagnostic method at one time. My daily routine was basically reviewing cases with my tutors and discussing all the questions I had. What is more, I was fully involved in the daily department activities and I had an opportunity to participate in daily lectures for residents. I want to say a special thanks to my tutor, Dr. Xavier Merino Casabiel, for his warm welcoming, showing everything around and tutoring me during MRI rotation. Moreover, I really want to thank Dr. Xavier Serres Creixams, who was always by my side during ultrasound rotation and Dr. Josep Salvador Civil, who taught me many things in CT area. And to everyone, who met me and tried to do their best by communicating with me, even without speaking English, I want to say a big thank you. All in all, I gained a lot of professional experience in this hospital and I'm sure, that it will influence my future career.



Ioanna Klapa

Aretaieion Hospital, School of Medicine and National Kapodistrian University of Athens, Athens/Greece

Topic: Paediatric Radiology

Training Centre: Azienda Ospedaliero Universitaria Careggi, Florence/Italy

I feel very fortunate to have been awarded a 3-month training scholarship in Paediatric radiology and I am very grateful to the ESOR for giving me this opportunity. University hospital "Azienda Ospedaliero-Universitaria Meyer" in Florence, Italy, is a highly specialized paediatric hospital and is the national reference center for complex cases. Being currently in the second month of my training I am exposed to a wide range of modalities and to a variety of cases. I am involved in all the activities of the department including reporting sessions, discussions regarding different daily cases and hands-on training opportunities. All the above has enhanced my understanding of Paediatric Radiology and improved my skills in other fields of Radiology as well. At this point I would like to express my gratitude to my tutors and also to all the staff for making me feel welcome, and for their support and willingness to share their knowledge despite their busy schedules. I am looking forward to my remaining time at Meyer Hospital and I recommend to all radiology residents to apply for this experience, that is unique both professionally and personally.



Maria Elena Laino

Policlinico Universitario "Agostino Gemelli", Rome/Italy

Topic: Oncologic Imaging

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

I am very grateful to ESOR for the unique opportunity of being selected for the six month Visiting Scholarship Programme at Memorial Sloan-Kettering Cancer Center in New York. It was an amazing experience that helped me grow both on the professional and human side. During my stay at MSKCC, I worked on both research and clinical projects, getting acquainted with some of the best specialists in the world. Additionally, I was involved in read-out sessions and attended several lectures for fellows, multidisciplinary meetings, tumour boards and research seminars that opened my mind and introduced me to another way to approach research. I would like to thank Dr. Hedvig Hricak, Chair of the Department of Radiology, who was always available and always supported my inclinations, Dr. Andrei Holodny, Chief of the Neuroradiology Service and their entire team. In particular, I would like to thank Dr. Sasan Karimi, Dr. Sofia Haque, and Dr. Lorenzo Mannelli, for all the things that they taught me in the field of adult neuroradiology, pediatric neuroradiology and abdominal radiology, respectively. To me, they represented not just an educational point of reference, they were actually my best friends in New York City. To summarize, my experience was incredible!



Urška Lamot

University Medical Centre Ljubljana, Ljubljana/Slovenia
Topic: Neuroradiology
Training Centre: Jena University Hospital, Jena/Germany

I am very grateful to ESOR/ESR for giving me the opportunity to train in neuroradiology at Jena University Hospital in Germany. The hospital is one of the newest centres in the region, and their IDIR (Institute of Diagnostic and Interventional Radiology) owns six state of the art MRI scanners (including two 3-Tesla systems and one 9.4-Tesla research scanner), three computed tomographs and two angiographic units. I spent most of my three months Visiting Scholarship Programme focused on brain MRI. Furthermore I have been also involved in various activities of the IDIR; general diagnostic imaging, reports/meetings and educational lectures. I would like to express great gratitude to my tutor Prof. Dr. Thomas E. Mayer who has welcomed me with warmth and helped me organize my programme and neuroradiologists Dr. Wagner and Dr. Neumann for sharing their valuable knowledge with me. I would also like to thank neuroradiology residents Dr. Hueck, Dr. Molina Fuentes and Dr. Villanueva García for making me feel a part of their team and making this experience an unforgettable one. My time at Jena University hospital was an important learning and life experience, which I presume will have vast influence on my future work and career; therefore I strongly encourage residents to take this opportunity offered by ESOR.



Andreea Leandru

Dr. Carol Davila Central Military Emergency University Hospital, Brasov/Romania
Topic: Abdominal Radiology
Training Centre: King's College Hospital, London/United Kingdom

I am really grateful to ESOR for this great opportunity to complete a scholarship in the Abdominal Imaging field, in one of the best hospitals in the world, with special focus on liver disease at King's College Hospital, London. I would like to express my gratitude especially to my tutor Dr. Ryan Suzanne for her constant support and to Prof. Sidhu, an absolutely incredible person. I also want to thank all the department staff for sharing with me their knowledge and experience and being so helpful and kind. It was inspiring to work with people who enjoy their work and are willing to share their knowledge even on very busy days. During my scholarship, I am involved in all kind of activities; like reporting MRI and CT scan, observing contrast enhanced ultrasound, attending multidisciplinary meetings and daily teaching. All of these are helping me to receive a well-rounded experience made of fantastic theories and practices, which I am sure, will be an invaluable treasure of knowledge that will help me in my future work and career. I strongly encourage all trainees to apply for this great opportunity offered by ESOR.



Matteo Paoletti

IRCCS Policlinico San Matteo, Pavia/Italy
Topic: Neuroradiology
Training Centre: Hôpital Purpan - Centre Hospitalier Universitaire (CHU) de Toulouse, Toulouse/France

The visiting scholarship at the Department of Diagnostic and Interventional Neuroradiology, CHU Toulouse in France was a terrific opportunity to advance my knowledge. During my fellowship I was able to observe all areas of neuroimaging and could attend all radiological courses and multidisciplinary meetings that took place in the Department. I would like to express my gratitude to Prof. F. Bonneville and the entire Department staff for making me feel welcome and for the openness in sharing their knowledge. Lastly I would like to thank ESOR for organizing such a program, which I truly recommend other residents to apply for.



Carmen Parra-Fariñas

Hospital Universitari Vall d'Hebrón, Barcelona/Spain
Topic: Interventional Radiology
Training Centre: King's College Hospital, London/United Kingdom

The ESOR Visiting Scholarship Programme gave me the unique opportunity to spend a three-month training period in the Interventional Radiology section of the Department of Radiology at the King's College Hospital NHS Trust in London, United Kingdom. On my arrival, I was warmly welcomed by all the staff members. I was actively involved from the very start as I was included in all the department activities, including multidisciplinary meetings, educational lectures, occasional training workshops, and case-by-case discussions of interventional strategies and application of endovascular devices. During this time, I improved my knowledge and practice in all the clinical skills and I enjoyed seeing another point of view at work. I strongly believe that this scholarship is enhancing my skills and understanding of Interventional Radiology. Furthermore, it confirmed my interest in pursuing this as my sub-specialization. For all the people who are considering applying for this programme, I offer my assurance that the training will surely fulfil all their expectations. I would like to thank the ESOR, my tutor Dr. Wilkins and all the staff members for making this amazing experience possible. Thank you so much! I will keep this experience in my heart forever!!



Lorenzo Carlo Pescatori

Policlinico San Carlo Borromeo, Milan/Italy
Topic: Interventional Radiology
Training Centre: Cambridge University Hospitals NHS Trust - Addenbrooke's Hospital, Cambridge/United Kingdom

I am grateful to ESOR and ESR for giving me the opportunity to attend the three-month Visiting Scholarship at the Department of Interventional Radiology of Addenbrooke's Hospital in Cambridge. First of all, I want to thank my tutor, Dr M. Krokidis, who was incredibly dedicated to my learning, exposing me to a wide range of interventional procedures and case-based scenarios and gave me the opportunity to contribute to ongoing research projects. Then, I would like to thank all the Consultants, who involved me in all the daily activities, both interventional and diagnostic, and we attended together several meetings with surgeons and clinicians to discuss and approach different cases, improving my general knowledge of the discipline. I wish to thank also the Director of the Institute, Prof. F. Gilbert, who friendly accepted me and other ESOR visitors and introduced us to the activities of the University Department. Overall, observing at Cambridge's Interventional Department, allowed me to widely expand my knowledge. I definitely recommend this experience to everyone.



Benjamin Peters

Antwerp University Hospital, Edegem/Belgium
Topic: Cardiac Imaging
Training Centre: University Hospital Zurich, Zurich/Switzerland

I have had the great opportunity to spend three months of training at the radiology department of the University Hospital in Zürich with the focus on cardiac imaging. I would like to express my greatest gratitude to my tutor, Prof. Hatem Alkadhi, for the warm welcome and the great experience. During my scholarship I have been involved in daily practice, daily teaching seminars, ongoing research projects and regional conferences. I would like to thank all the residents and senior radiologists of the department for sharing their time, experience and expertise to intensify my knowledge in cardiac imaging. I would like to express my special thanks to ESOR and Prof. Paul Parizel to support the development of my knowledge.



Małgorzata Zofia Piechota

Public Hospital of Orthopaedics and Trauma Surgery, Katowice/Poland
Topic: Musculoskeletal Radiology
Training Centre: King's College Hospital, London/United Kingdom

I was extremely fortunate to participate in ESOR Visiting Scholarship Programme at King's College Hospital in London. The three months of intense musculoskeletal training were an excellent chance to broaden my knowledge and intensify my interest in that field of radiology. During the course, I was involved in everyday life of this hardworking department and had a chance to do my own reports. Thanks to my supervisor, I also had an opportunity to participate in the ultrasound and MRI courses that took place in central London. But most importantly this fellowship gave much more than just musculoskeletal training. It changed the way I think about radiology and clinical work. King's is a huge clinical hospital, a true melting pot of the best specialists from all around the world, who are fully committed to their work and are really respectful of each other. Moreover, the unexpected personal growth I received when exploring the incredible city of London was priceless. I would like to thank Dr. David Elias and the whole musculoskeletal team for sharing their knowledge and experience but also for their everyday kindness. I couldn't be more grateful



Sašo Pjević

University Clinical Centre Maribor, Maribor/Slovenia
Topic: Neuroradiology
Training Centre: King's College Hospital, London/United Kingdom

I am sincerely grateful to the ESOR and ESR for awarding me with a three-month scholarship in Neuroradiology at the King's college hospital in London. I was involved in very interesting clinical (diagnostic and neurointerventional) and research activities, multidisciplinary meetings, academic lectures and teaching sessions on a daily basis. I would like to express my profound gratitude to my fantastic mentor, Dr. Booth, for making this scholarship an unforgettable experience. I would like to thank Dr. Jarosz, Dr. Kandasamy, Dr. Hart, Dr. Mazumder and all other Neuroradiologists, fellows and registrars for teaching and hospitality. I had also the opportunity to live in an exciting city, to see and to do plenty of interesting things. I would strongly recommend ESOR scholarship programme to other residents. It was an unforgettable experience.



Joan Albert Prat-Matfoll

Hospital Universitari Vall d'Hebrón, Barcelona/Spain
Topic: Musculoskeletal Radiology
Training Centre: Medical University of Vienna, Vienna/Austria

I am very grateful to ESOR for awarding me the three-month fellowship in Musculoskeletal Radiology at the Allgemeines Krankenhaus in Vienna, Austria. It has given me a great opportunity to improve my knowledge in MSK imaging and to compare the way the hospital works with my home institution. During my fellowship, I was able to observe and learn how to improve my reports in different imaging modalities as well as to participate in all daily activities and attend multidisciplinary meetings. My sincere gratitude goes out to Prof. Dr. Franz Kainberger and Dr. Iris-Melanie Nöbauer-Huhmann and their team for their kindness and willingness to share their knowledge with me. This three-month fellowship has been a wonderful and professionally inspiring experience for me.



Sighelgaita Rizzo

Royal Victoria Infirmary, Newcastle upon Tyne/United Kingdom

Topic: Breast Imaging

Training Centre: University of Milan, IRCCS Policlinico San Donato, San Donato Milanese/Italy

I would like to thank ESOR for giving me the great opportunity to take part in the three-month observing scholarship in IRCCS Policlinico San Donato in Milan, Italy. It has been a very good personal and professional experience for me to spend time in a qualified breast screening department, and to participate in all available activities within the breast service such as mammography, ultrasound, breast MRI, ultrasound-guided and stereotactic biopsies. I am particularly grateful to my clinical tutor, Dr. Luca Carbonaro, a very experienced breast radiologist and an excellent teacher, who through his cordial and friendly manners has ensured that I settle into the department as a member of their own team. I have also been encouraged to get involved with other activities within the radiology department, such as general US and CT, as well as attending multidisciplinary breast meetings. The most valuable teaching experience provided by this scholarship is to acknowledge that breast radiology can be practiced in slightly different ways throughout Europe, but at an equally qualified and patient-centred standard. I am very grateful to have had this experience, and I would highly recommend it to all trainees.



Matteo Saldari

Policlinico Umberto I, Rome/Italy

Topic: Breast Imaging

Training Centre: Case Western Reserve University, Cleveland/USA

I would thank ESOR for the wonderful opportunity I had to attend the Breast Department at UH Hospitals, Case Western Reserve University, in Cleveland. Since my first day, I had a warm welcome from all the staff. It has always been a very challenging environment and all the Doctors have always shared with me all their knowledge. As an observer, I took part to every daily clinical activities; it was very interesting to attend mammographies and Breast MRI reading. As an observer, I also took part at almost all of the interventional procedures performed by the Radiologists. I am confident in saying I had highly improved my reading skills after these last three months and that this experience had a great positive influence on me.



Dušan Šaponjski

Clinical Center of Serbia, Belgrade/Serbia

Topic: Abdominal Radiology

Training Centre: Medical University of Vienna, Vienna/Austria

I would like to use this opportunity to sincerely thank the people behind the ESOR organization, staff of the Medical University of Vienna, and especially Professor Dr. Ahmed Ba-Ssalamah and his team for enabling me to spend such valuable time in Vienna. The rotation met and surpassed my expectations. My mentor as well as other department colleagues warmly welcomed me. During the three-month training period at Medical University of Vienna, I have been involved in a wide spectrum of activities within the Radiology Department - from case reporting to attending multidisciplinary meetings and various lectures on relevant topics. Furthermore, I was integrated as a full team member and participated at different clinical conferences. The whole Department of Biomedical Imaging and Image-guided Therapy is well organized with everyday morning lectures dedicated to an ongoing resident education. All of this helped me receive a well-rounded experience made of fantastic theory and invaluable practice which I am sure will be of immense help for my future work and career.



Alessandra Scionti

AOUP Azienda Ospedaliera Universitaria Pisana, Pisa/Italy

Topic: Paediatric Radiology

Training Centre: Hôpital Timone, Marseille/France

I am thankful for the opportunity to participate in this training in paediatric neuroradiology at the Hôpital de la Timone in Marseille and I would recommend this experience to all my colleagues. From the first moment I received a very warm welcome from Professor Nadine Girard and the entire staff. During my stay I was involved in a wide spectrum of clinical and educational activities, such as weekly department and multi-disciplinary meetings, I could learn up-to-date diagnostic imaging tools and I was able to write reports. It was an excellent opportunity to learn and to be integrated in such a great team, and I improved my skills not only in paediatric neuroradiology but in the whole field of neuroradiology. I would like to express my gratitude to my tutors, especially to Dr Gilles Brun who taught me and shared his experience with me, and to Prof N. Girard with whom I spent most of my time: she was an inspiration for her generosity and willingness to share her knowledge and advice with me.



Galatea Skouroumouni

Papageorgiou General Hospital, Thessaloniki/Greece

Topic: Cardiac Imaging

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

I would like to thank the ESOR committee for this three-month training in the field of Cardiac Radiology. I had a great opportunity to work with a specialized cardiac imaging group in the highly renowned academic medical center of LUMC. I was able to be highly involved in all examinations, participate in advanced CT and MR imaging technique applications, attend interdisciplinary boards and lectures, and discuss about the possible diagnosis and further treatment of several interesting cases. There was a wide range of neonatal, pediatric and adult congenital heart diseases, ischemic and non-ischemic cardiomyopathies, coronary heart diseases, and coronary anomalies. I would like to thank particularly my tutors, Dr. Kroft, Dr. de Roos, and Dr. Lamb for sharing their time and knowledge with me. I consider myself lucky to have been a part of the daily reporting sessions of such excellent radiologists and educators. This was a great experience and I sincerely recommend it for anyone interested in cardiac radiology.



Péter Szántó

Korányi TBC and Pulmonology Institute, Budapest/Hungary

Topic: Chest Radiology

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

I am grateful to ESOR for this experience and the exceptional opportunity to expand my knowledge in Chest radiology. Apart from observing routine clinical activities I regularly attended chest tumor boards, ILD meetings and I had the possibility to review a high number of teaching cases on weekly basis. All contributed to a marked improvement in my image interpretation skills and a deeper insight into the background of clinical decision making in various lung diseases. I was allowed to observe several thermal ablation treatments and biopsy procedures in lung malignancies combined with explanation of subtle but important technical tricks by very helpful interventional radiologists. My tutor Dr. Larici also enabled me to participate in interactive international courses on pulmonary fibrosis with the greatest experts in the field which was incredibly inspiring. Overall, I gained a lot from that time and this three-months training has had a great impact on my professional career and my personal life as well. I would encourage all resident radiologists to take this opportunity.



Estefanía Terrazas Torres

Centro Medico ABC, Mexico City/Mexico

Topic: Paediatric Radiology

Training Centre: Hospital Sant Joan de Deu, Barcelona/Spain

I'm truly thankful to ESR, ESOR and Sant Joan de Deu for this wonderful experience, both professional and personal. Where from the administrative staff to the most expert radiologists they take you kindly by the hand and show you the world of pediatric radiology in a way that you easily fall in love with it, as much as they are. Since in this place they really love what they do. Having mentioned this, is redundant to say it is a place of excellence where you have the opportunity to attend courses, classes, multidisciplinary sessions, witness the diagnostic report alongside world-renowned specialists, conduct studies, observe procedures, protocols, get involved in research projects, publish articles and deal with cases of high complexity obtained in great technical quality with cutting-edge software and try to overcome the diagnostic challenge. Sant Joan de Deu is undoubtedly a place I highly recommend, and I will do my best to return to what I would describe as the European paradise of pediatric radiology.



Jinfeng Zhan

Affiliated Hospital of Qingdao University, Qingdao/China

Topic: Neuroradiology

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

I am very grateful to ESOR and Jo Li Trust for giving me the opportunity for participating in a three-month scholarship at Neuro Imaging department of Queen Elizabeth Hospital Birmingham. Under the supervision of Prof. Vijay Sawlani, I have attended weekly multidisciplinary meetings and discussed image findings in brain MRI. Apart from taking part in routine clinical reporting, a special focus has been placed on the Glioblastomas research with machine learning, which further broadened my horizon in this field. I am especially thankful to my tutor Dr. Vijay Sawlani and also Dr. Markand Patel for their excellent teaching and sharing of knowledge. I am positive that this remarkable experience will deeply influence my future work and career.



EXCHANGE PROGRAMMES FOR FELLOWSHIPS

My experience

EXCHANGE PROGRAMME FOR ABDOMINAL RADIOLOGY FELLOWSHIP



Jorge Andres Abreu

Fundación Santa Fe de Bogotá, Bogotá/Colombia

Topic: Abdominal Radiology

Training Centre: European Institute of Oncology, Milan/Italy

It is difficult to summarize a great experience in a few words as the Exchange Programme for Abdominal Radiology, but definitely I want to thank ESOR and ESGAR for giving me the opportunity of being in one of the Hospitals with the State of the Art in Prostate and Whole Body MRI as the European Institute of Oncology and to meet a variety of persons that from the first moment were open to share with me their knowledge and even most important their passion for Radiology and Oncology. I realized that the patient is the centre of our practice and must be the motivation for improving every day. With the great example of my tutor Dr. Giuseppe Petralia I was involved in a variety of research projects, interdisciplinary meetings and in the daily reading, not only in reporting the cases, also discovering how is the MRI conceived and the physics behind. An open world that Dr. Petralia, Dr. Allesi and Dr. Pricolo opened for me and I enjoyed by their hand. I'm sure this is a great opportunity for learning and to share with the new generations of radiologists from my beautiful country, Colombia. Thank you all!!



Paul Apfaltrer

Medical University of Vienna, Vienna/Austria

Topic: Abdominal Radiology

Training Centre: Netherlands Cancer Institute - Antoni van Leeuwenhoek, Amsterdam/The Netherlands

I am very grateful to ESOR and ESGAR for giving me the opportunity for a three-month fellowship in abdominal radiology at the The Netherlands Cancer Institute - Antoni van Leeuwenhoek, Amsterdam. I received a warm welcome from Prof. Dr. Regina Beets-Tan, MD PhD, Chair of the Department of Radiology, as well as from my tutor Max J. Lahaye MD PhD, who had made such arrangements that I felt welcome from the first moment. I attended numerous educational and scientific lectures, multidisciplinary clinical conferences and team meetings and had also the opportunity to participate in fascinating ongoing research projects. I am looking forward to my remaining time at NKI and hope to return home to Vienna with a much improved knowledge of abdominal- and oncologic imaging.



Isabelle De Kock

Ghent University Hospital - UZG, Ghent/Belgium

Topic: Abdominal Radiology

Training Centre: University College London - Centre for Medical Imaging, London/United Kingdom

I followed a structured training programme consisting of hands-on discussion of ultrasound, CT and MRI exams, multidisciplinary meetings and studying difficult imaging cases on a dedicated learning station. I also learned about local health care organisation, research and funding, and discussed future perspectives in radiology. This 3-month fellowship not only undoubtedly improved my knowledge but also, and more importantly, made me even more passionate about gastrointestinal radiology and has given me the opportunity to get to know other colleagues who share the same professional interests. Furthermore, London is a vibrant city with a rich historical and cultural heritage that offers a catalogue of wonderful places to explore. Overall, I found my time during this placement immensely enjoyable, educational and rewarding. I would like to thank ESOR, ESGAR, and my tutor Dr Andrew Plumb and his colleagues for this wonderful experience.



Caroline Ewertsen

Rigshospitalet, Copenhagen University Hospital, Copenhagen/Denmark

Topic: Abdominal Radiology

Training Centre: Hôpital Saint-Joseph, Paris/France

I would like to express my gratitude to ESOR and ESGAR for offering me the fellowship in abdominal radiology at Saint Joseph Hospital in Paris, France. During the three months, I focused on acquiring skills in abdominal and pelvic MRI including improving my skills in pancreatic CT and MRI. With Dr. Zins as my mentor, I reviewed a large number of interesting cases on pancreatic and liver imaging. I participated in the weekly MDT conferences in abdominal and gynecologic imaging at the hospital and also had the chance to participate in the weekly liver conference at the Beaujon Hospital, Paris. My sincere thanks go to the heads of departments Dr. Zins (Saint Joseph) and Prof. Vilgrain (Beaujon).

**EXCHANGE PROGRAMME FOR
BREAST RADIOLOGY FELLOWSHIP**



Anastasia Maria Kalovidouri

University Hospital of Geneva, Geneva/Switzerland

Topic: Breast Radiology

Training Centre: Medical University of Vienna, Vienna/Austria

I started my fellowship at the breast department in the AKH in Vienna in November, under the supervision of Prof. Thomas Helbich and his colleagues who warmly welcomed me and integrated me in the department. So far this fellowship has been a great opportunity to work on a large number of complex cases and to participate in diagnostic imaging sessions, interventional procedures and educational lecture. I also attended multidisciplinary meetings and, overall, it has been a valuable experience to enrich my knowledge and to improve my skills in this highly academic environment. I would like to express my gratitude to ESOR for this unique opportunity.



Heike Preibsch

University Hospital Tuebingen, Tuebingen/Germany

Topic: Breast Radiology

Training Centre: Cambridge University Hospitals NHS Trust - Addenbrooke's Hospital, Cambridge/United Kingdom

The ESOR/EUSOBI 2017 Exchange Programme Fellowship in breast imaging was an incomparable experience and I am very grateful I was awarded this precious opportunity. During the three-month period in the Cambridge Breast Unit I improved my knowledge regarding all different breast imaging techniques and breast biopsies. I was able to participate in reporting sessions, multidisciplinary team meetings, teaching lectures and Department meetings in the Breast Unit and the main Radiology Department. In addition I was given the opportunity to be involved in an inspiring scientific research project. It was a great honour to have Prof. Fiona Gilbert and Dr. Ruchi Sinnatamby as my tutors and I want to equally thank Dr. Matthew Wallis, Dr. Penelope Moyle, Dr. Fleur Kilburn-Toppin and Dr. Helen Taylor for sharing their excellent knowledge and expertise with me. I was warmly welcomed by all staff of Addenbrooke's Breast Unit and Radiology Department and greatly appreciate that they made it a unique and professionally very valuable experience for me.



Olga Puchkova

Federal Center of Medicine and Rehabilitation, Moscow/Russia

Topic: Breast Radiology

Training Centre: Policlinico Umberto I, Rome/Italy

I am currently doing a three-month training in breast imaging at Policlinico Umberto I, Rome, Italy. I would like to thank ESOR for this wonderful opportunity to gain my knowledge in the field of breast imaging. During my fellowship, I had a chance to work with a number of difficult, rare seen cases, all the cases were managed with a multimodality approach, I am sure that decision-making seen during managing those cases will help me during my daily practice. It was a pleasure to work with Professor Federica Pediconi and her team, I would like to extend my appreciation to all the staff of the radiology department. Looking forward to implement all the knowledge I have received in my practice.

EXCHANGE PROGRAMME FOR BREAST IMAGING FELLOWSHIP (USA)



Rosa Elena Ochoa Albíztegui

The American British Cowdray Medical Center, Mexico City/Mexico

Topic: Breast Imaging

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

I am grateful that ESOR supports the exchange programmes for fellowships. I thank all the people behind this great experience. I feel incredibly privileged to have the opportunity to participate in the Breast Imaging clinical and research fellowship at Memorial Sloan Kettering Cancer Center (MSKCC). During my time at Breast and Imaging Center (BAIC), Evelyn H. Lauder, I worked with breast MRI. Dr. Elizabeth Morris, Chief of Breast Imaging Service, Dr. Elizabeth Sutton, Breast MRI Department Chief and Dr. Katja Pinker were my primary tutors. They dedicated value time and effort to provide me constant and priceless education in their field techniques. We worked in novel sequences, pharmacokinetic parameters, 7T breast MRI, machine learning and deep learning. I was involved in breast cancer MRI segmentation for artificial intelligence. I also participated in the breast cancer multidisciplinary meeting and grand rounds, which were amazingly important, as I was acquaintance with the latest breast cancer treatments and the clinical trials MSKCC was participating in. I would like to express my deep gratitude to Dr. Elizabeth Morris, Breast Imaging Chief Department, who believed and supported an additional ongoing research, for which Dr. Elizabeth Sutton is the primary investigator with Dr. Yukako Yagi, co-primary investigator. This project involves breast imaging, microCT and pathology. I was also fortunate to meet Dr. Maxine Jochelson. She introduced me to contrast enhanced mammography during her talks, as she is a chief promoter of this additional tool for diagnosing breast disease. Prof. Hedvig Hricak, Chair of the Department of Radiology, was so kind to support this fellowship and an additional membership to the European Society of Oncologic Imaging. Furthermore I would like to thank all wonderful MSKCC staff. Everyone made me feel at home. Attendees, technicians, assistants, biostatisticians, data managers, security, patients and simply everyone always salute me with a smile. They had great willingness to help. I deeply feel this unique opportunity has influenced my work and career. It has been a professionally inspiring experience and I would definitely recommend it to my radiology colleagues.



Hálío Sandro Rodrigues Duarte

Instituto Português de Oncologia do Porto, Porto/Portugal

Topic: Breast Imaging

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

I am very grateful to ESOR and Memorial Sloan Kettering Cancer Center for awarding me with this unique fellowship in breast imaging. Spending six months at this renowned institution was one of the best professional experiences I have ever had. It was an enormous honour to work with Dr. Elizabeth Morris, Chief of the Breast Imaging Service, and her amazing team. During my fellowship I was able to observe and participate in clinic activities and attend many teaching lectures and weekly multidisciplinary meetings. I was also involved in many research projects together with other enthusiastic fellows from different places in the world.

**EXCHANGE PROGRAMME FOR
CARDIAC RADIOLOGY FELLOWSHIP**



Maria Teodora Buzan

Papworth Hospital NHS Foundation Trust, Cambridge/United Kingdom

Topic: Cardiac Radiology

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

I have had the chance to spend a three-month training period at Herzzentrum Leipzig, a highly esteemed academic centre. The ESOR Fellowship in Cardiovascular Radiology completely fulfilled my expectations by giving me the opportunity to significantly improve my knowledge in the field of Cardiovascular Radiology. I was able to participate in a structured modular training and get involved in all activities of the department including case reporting, teaching sessions, as well as attending multidisciplinary and research meetings. This allowed me to see a vast spectrum of cardiovascular cases, with special focus on advanced myocardial mapping techniques. Nevertheless, this experience allowed me to enhance my academic profile, thorough joint publications in peer-reviewed journals, alongside with renowned experts in the field. It was great to have Prof Matthias Gutberlet and Prof Matthias Grothoff as my tutors. I strongly recommend and encourage other trainees to apply for an ESOR fellowship. I am really grateful to ESOR and ESCR for this excellent educational experience.



Volha Nizhnikava

Republican Scientific and Practical Center of Cardiology, Minsk/Belarus

Topic: Cardiac Radiology

Training Centre: Medical University of Vienna, Vienna/Austria

I am very grateful to the ESOR and ESCR for the three-month Observeship at the Department of Bioluminescence and Image-Guided Therapy of Wien General Hospital, directed by Prof. C. Herold. These 3 months were a great opportunity to expand and improve my knowledge in cardiac radiology both academically and clinically. I want to thank my tutor, Prof. Christian Loewe, the head of the Division of Cardiovascular and Interventional Radiology, and Dr. Bietzke for showing me a lot of interesting and challenging cases. I want to express special gratitude for the lectures they gave us and for the opportunity to participate in different events that took place in Vienna and in the ESCR congress in Milan. I am also very grateful to for introducing me to new techniques such as cardiac PET-MRI. I highly encourage residents to apply for ESOR Exchange Programme for Fellowships. It was an inspiring experience for me, which certainly will make an impact in my professional career and profoundly influence my future life.

**EXCHANGE PROGRAMME FOR
HEAD AND NECK RADIOLOGY**



Lydia Kalogeropoulou

AHEPA University Hospital, Thessaloniki/Greece

Topic: Head and Neck Radiology

Training Centre: University Hospital of Geneva, Geneva/Switzerland

It was indeed an honor to participate in the three month training fellowship in Head and Neck radiology at the Geneva University Hospital under Professor Minerva Becker's tutorship. During these three months I had the unique opportunity to observe and participate in the clinical activities of this renown university centre while integrating into a leading, scientifically trained, research-oriented team. I attended multi-disciplinary meetings, tumor boards, lectures and daily teaching sessions and I am grateful that I was able to participate in scientific projects as well as partaking in the diagnosis under the supervision of the excellent head and neck team. I want to offer my deep appreciation to Professor Becker, but also to Dr Lenoir, Dr Luscher and Dr Stefaneli, who offered me a warm welcome despite their hectic daily schedule and contributed greatly to both my training during this invaluable period, but also to my growing enthusiasm for head and neck radiology. My sincere gratitude also to the European Society of Radiology and the European Society of Head and Neck Radiology for this life-changing opportunity.



Thi Tien Nguyen

Benson Radiology, Unley/Australia

Topic: Head and Neck Radiology

Training Centre: London Northwest Hospitals NHS Trust & Mount Vernon Cancer Centre, London/United Kingdom

Thank you to ESOR/ESHNR for providing me with the opportunity to undertake further training in Head and Neck Radiology at the London Northwest Health Trust under the supervision of Dr Ravi Lingam. My fellowship involved the interpretation and reporting of cases under supervision, performing Head and Neck ultrasound, teaching of junior trainees, and attendance/presentation at numerous clinical meetings. I was exposed to a large and varied case mix across the spectrum of the specialty and this was supplemented by review of cases from an extensive teaching file. The department has a particularly strong and collegiate relationship with Otolaryngology and Maxillofacial surgery departments which further enriched the educational experience. I would like to thank Dr Lingam and the other consultant staff in the department, all of whom are enthusiastic and brilliant teachers. I have no hesitation in recommending and exchange scholarship at this centre.



Tomasz Krystian Nowicki

University Clinical Center, Gdansk/Poland

Topic: Head and Neck Radiology

Training Centre: Instituto Portugues de Oncologia de Lisboa Francisco Gentil, Lisbon/
Portugal

I am very grateful to ESOR and ESHNR for awarding me the three-month fellowship in head and neck radiology. The training was focused on oncology as it took place in the oncological centre. It consisted of CT and MRI reading sessions, US examination and clinical lessons. I also took part in the multidisciplinary oncological boards. The lessons covered anatomy of the head and neck region, basic pathologies and difficult cases presentation. Moreover, I got the opportunity to take part in a research project. I have learned many things, which I will use in my daily practice. In the end, I would like to thank my tutor Dr Alexandra Borges for outstanding teaching and support. This fellowship met my expectations in every way and I sincerely recommend it for everyone interested in head and neck radiology.

**EXCHANGE PROGRAMME FOR
MUSCULOSKELETAL RADIOLOGY FELLOWSHIP**



Tarvo Sillat

North Estonia Medical Centre, Tallinn/Estonia

Topic: Musculoskeletal Radiology

Training Centre: Chapel Allerton Musculoskeletal Radiology Leeds Teaching Hospitals, Leeds/United Kingdom

The Musculoskeletal Radiology Fellowship Program gave me a unique opportunity to learn musculoskeletal imaging in Leeds. Although I am still in the middle of the program while writing this report, I have already significantly expanded my knowledge in this field. Dr. Phil Robinson and all the other consultants and fellows have been very friendly and willing to teach and share their tips and tricks. Two fields that I feel I have improved most are musculoskeletal ultrasound (with different procedures) and soft tissue tumour imaging. I am very grateful to ESOR and ESSR and to all MSK radiologists at CAH and LGI for their kind teaching.



Evangelia Vassalou

University Hospital of Crete, Heraklion/Greece

Topic: Musculoskeletal Radiology

Training Centre: IRCCS Istituto Ortopedico Galeazzi, Milan/Italy

I would like to thank ESOR/ESSR for providing me this dedicated three-month fellowship in musculoskeletal radiology at Istituto Ortopedico Galeazzi, Milan/Italy. From day one, I was warmly welcomed in a state-of-the-art, professional, demanding but also joyful department. It was a privilege and excellent educational opportunity to be supervised by and work with my tutor Prof. Luca Maria Sconfienza, an outstanding radiologist and researcher, as well as with his whole, great team. During my stay, I was fully involved in daily activities, including supervised reporting and performance of the whole spectrum of imaging studies, namely magnetic resonance, ultrasound, computed tomography, x-rays, dual-energy x-ray absorptiometry and involvement in ultrasound-guided musculoskeletal interventions/arthrographic examinations. As my special interest included diagnostic/interventional ultrasound procedures, I feel superdelighted being involved in a high-volume practice dealing with the whole spectrum of musculoskeletal pathologies, which can be described as an everyday hands-on course! Interventional sessions represented a unique learning opportunity focusing on technical tips and patient selection criteria, based on updated guidelines. I had also the opportunity to review and discuss an extensive PACS database and to attend interdisciplinary discussions. This fellowship upgraded my background knowledge and practical skills and provided a fresh perspective towards the accomplishment of my next goals. I would like to express my gratitude to Prof. Luca Sconfienza for his kindness, patience and willingness to teach me his theoretical and practical knowledge and to warmly thank Dott. Carmelo Messina, Dott. Santi Rapisarda, Dott. Andrea Biacca, Dott. Angelo Corazza, Dott.sa Veronica Nardella, Dott. Alberto Zerbi and all staff-members for sharing their high-standard knowledge, their communicating-in-English and translating efforts and for making my stay in beautiful Milan a great pleasure. I strongly encourage every young radiologist to try this exceptional experience while, from my viewpoint, Galeazzi is highly recommended. Grazie mille!

EXCHANGE PROGRAMME FOR NEURORADIOLOGY FELLOWSHIP



Anna Banaszek

Affidea Wroclaw, Wroclaw/Poland

Topic: Neuroradiology

Training Centre: AO Cardarelli, Naples/Italy

I am writing these words with about three weeks of my internship remaining, yet I am already convinced what a great opportunity I was given, to spend 3 months of ESOR neuroradiology internship at AO Cardarelli in Naples, Italy under the supervision of Prof. Mario Muto. First of all, I would like to emphasize the great cordiality and hospitality of Prof. Muto and his team, and their willingness to teach and share their extensive knowledge. During my stay I encountered many interesting neuroradiology cases, including CT, MRI and angiography, as well as had a chance to participate in a few neuroradiology conferences. Moreover, I became familiar with numerous interventional neuroradiology procedures, with special regard to those spine related. All these undoubtedly boosted my knowledge of the subject. Last but not least, staying a few months in an astounding city of Naples was an unforgettable experience. Many thanks to ESOR and ESNR for this fantastic learning opportunity, and to the Cardarelli team for making this stay so special.



Andreea Filip

Centre Hospitalier d'Avignon, Avignon/France

Topic: Neuroradiology

Training Centre: University Hospital of Geneva, Geneva/Switzerland

I am very grateful to ESOR for giving me the opportunity to study neuroradiology in the Imaging Department of the Geneva University Hospital in Switzerland. During this fellowship, as an observer, I participated in all clinical and educational activities of the Neuroradiology department, which included teaching modules, multidisciplinary meetings, tumor boards, reporting sessions and discussions regarding different cases and adapted imaging protocols. The whole Neuroradiology staff of HUG made me feel very welcome, I am especially grateful to Prof. Maria Isabel Vargas, my tutor, who made the time spent here an exceptional educational experience. This fellowship has been a great experience, which I am sure, will make a difference in my future career.



Chiara Ganazzoli

Maggiore Hospital, Parma/Italy

Topic: Neuroradiology

Training Centre: VU University Medical Centre, Amsterdam/The Netherlands

I am very grateful to ESOR and ESNR for giving me the amazing opportunity to spend a three-month Fellowship in Neuroradiology at VU University Medical Centre in Amsterdam, The Netherlands. During this time, I attended everyday different multidisciplinary meetings and I followed the daily reporting activities of my tutor Dr. Esther Sanchez and colleagues. Furthermore, I was involved in a dementia research project, as VUmc is a centre of excellence also for Alzheimer's Disease. Moreover, I studied individually using PACS workstation, analyzing a huge number of CT and MRI cases, some of them showing very rare diseases that stimulated my curiosity and improved my knowledge in many branches of Neuroradiology. I would like to express all my gratitude to my tutor Dr. Esther Sanchez, for her willingness to answer my many questions and helpful advice, to Prof. dr. Frederik Barkhof, to Dr. Joost Bot, to Prof. dr. Marjo van der Knaap and to all the highly qualified Neuroradiology staff, for the warm hospitality. It has been one of the most beautiful experiences of my life and it increased my passion for Neuroradiology and motivation for my professional future, as well as a unique opportunity for personal growth. It also gave me the chance to discover Amsterdam, an awesome city with wonderful people. Dank je well!!



Ahmet Kaya

Turkish Republic Ministry of Health Bilecik State Hospital, Bilecik/Turkey

Topic: Neuroradiology

Training Centre: John Radcliffe Hospital, Oxford/United Kingdom

The first thing I have realized in this training programme is that it is not an ordinary observership programme, which you feel alone and not being cared enough. I have been treated as if I am a new registrar of the department, and not just a temporary observer. Dr. Quaghebeur, head of the department, has made everyone take care of my training. I really appreciate that. I was given a schedule of rotation through CT, MR and Angio. Furthermore, I do teaching sessions with Dr. Joseph going through previous cases every week, which are quite beneficial. I also attend multidisciplinary meetings and have great experience. Thank you for designing such a great training programme.



Carlo Augusto Mallio

Università Campus Bio-Medico di Roma, Rome/Italy

Topic: Neuroradiology

Training Centre: Antwerp University Hospital, Edegem/Belgium

I am very thankful to ESOR and ESNR for this three-month fellowship at the Antwerp University Hospital (Antwerp-Edegem/Belgium), which significantly enhanced my knowledge in the field of Neuroradiology. During this period, I was exposed to a very high load of diagnostic and interventional procedures, covering all the subspecialty fields of Neuroradiology. Moreover, I was involved in several teaching seminars, as well as interdisciplinary clinical-radiological rounds and multidisciplinary staff meetings (radiology-neuroradiology-neurosurgery-neurology-neuropathology), organized by the Department of Radiology of the Antwerp University Hospital in close collaboration with clinical colleagues. I would like to especially thank Prof. Paul M. Parizel and Prof. Johan Van Goethem, for their kind welcome and their teaching attitude.

**EXCHANGE PROGRAMME FOR
PAEDIATRIC RADIOLOGY FELLOWSHIP**



Maria Antonieta Londoño Arévalo

Clínica Las Américas, Medellín/Colombia

Topic: Paediatric Radiology

Training Centre: Hospital Materno-Infantil Vall d'Hebrón, Barcelona/Spain

I would like to use this opportunity to sincerely thank the people behind the ESOR Exchange Programme for Fellowships, and the staff of the Hospital Universitari Vall d'Hebron for enabling me to spend valuable time in Barcelona, observing and learning about different aspects of Pediatric Imaging. During the three-month training period at Vall d'Hebron Hospital, I was involved in a wide spectrum of activities within the Radiology Department - and a Review of ASL in Hypoglycemic encephalopathy, also attending multidisciplinary meetings and various lectures on relevant topics. During the three-month programme, I also had an opportunity to visit Hospital Universitario 12 de Octubre in Madrid and attended the international meeting of CHOP. I also spent time behind the scanner and de MR to get in touch with their CT and MR protocols for scanning and reporting. All of this helped me receive a well-rounded experience made of fantastic theory and invaluable practice, which I am sure, will be of immense help for my future work and career.



Anirudh Venugopalan Nair

Kerala Institute of Medical Science, Trivandrum/India

Topic: Paediatric Radiology

Training Centre: University of Ioannina, Ioannina/Greece

The Pediatric Radiology fellowship that I am currently undergoing at the University of Ioannina, Greece has been truly a well-knit inspirational period in my career, to meet all professional challenges in days to come. This fellowship has evoked an unknown dimension in me in approaching the disease/condition in a more holistic way. My fellowship centre is equipped with the state of art imaging machines and is one of the best referral centre for preterm infants in Greece. It's been quite a wonderful journey with my tutor/Dept head Prof. Maria I Argyropoulou and her eminent team through the time of this fellowship. Her team has made unparalleled efforts in accommodating me in all activities that concerns the department. Preterm imaging, 3T MRI, F-MRI, Tractography and multidisciplinary meetings were the icing over my cake of knowledge during this training period. I can say with confidence that my expectations of choosing this fellowship has been completely met. I'm indebted to Prof Maria I. Argyropoulou and her team, the people of Greece/Europe for this wonderful hospitality, knowledge and love. Last but not the least, Thank you ESOR, ESPR & ESR for this glorious opportunity, and for striving to take Radiology to new heights.



Giulia Perucca

Ospedale Infantile Regina Margherita, Turin/Italy

Topic: Paediatric Radiology

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

My three months fellowship at Great Ormond Street Hospital for Children has been a very fruitful experience, both from a personal and a professional point of view. The daily activity of the Department included all imaging modalities. Moreover, I could attend various multidisciplinary meetings and the extremely interesting weekly teaching sessions. I believe that my knowledge in Pediatric Radiology improved during this time, especially with regard to rare diseases. But the most enriching part of my fellowship has been getting to know such brilliant and experienced radiologists, so friendly and welcoming. I thank all of them, and all the fellows and registrars, as well as ESOR/ESPR, for this wonderful opportunity.



Iryna Vasylyv

Western Ukrainian Specialized Children's Medical Centre, Lviv/Ukraine

Topic: Paediatric Radiology

Training Centre: Emma Children's Hospital - Academic Medical Center, Amsterdam/The Netherlands

I am very thankful to ESOR for the great chance of attending the three-month Exchange Programme Fellowship in Paediatric Radiology in a great training Centre - Emma Children's Hospital - Academic Medical Center Amsterdam, The Netherlands. During this time, I had the opportunity to strongly improve my knowledge and my practical skills. It was an excellent opportunity to learn from the best and highly professional team ever. This fellowship provided me with a great educational and social experience, which I am sure, will change my future career.

**EXCHANGE PROGRAMME FOR
THORACIC RADIOLOGY FELLOWSHIP**



Lukas Ebner

Inselspital, University Hospital Bern, Bern/Switzerland

Topic: Thoracic Radiology

Training Centre: Medical University of Vienna, Vienna/Austria

I am sincerely grateful to the ESOR for the opportunity to spend a 3-month thoracic imaging fellowship at the University Hospital in Vienna. The comprehensive training in the thoracic imaging unit was an exceptional experience that allowed me to focus on lung imaging and further specialize in the diagnosis and management of interstitial lung disease as well as lung cancer imaging. In particular, I want to thank my dedicated tutor, Professor Helmut Prosch, who made tremendous efforts in teaching and education. During the fellowship, I had the opportunity to attend the clinical conferences, observe thoracic interventions, and participate in lectures and talks at national meetings. Apart from participating in the clinical routine and education, I had the chance to gain insights in the organization and management of the department. Furthermore, I want to express my gratitude to Professor Christian Loewe, who gave me the opportunity to gain insights in the cardiovascular imaging group and offered extensive training in cardiac CT interpretation. In summary, the thoracic imaging fellowship in Vienna was an outstanding experience that will sustainably impact my professional development in the future.



Tanusha Sewchuran

Greys Hospital, Pietermaritzburg/South Africa

Topic: Thoracic Radiology

Training Centre: University of Edinburgh, Edinburgh/United Kingdom

My first impression travelling outside of my relatively small hospital in South Africa and arriving at the imposing façade of the Royal Infirmary Hospital and its research counterparts, the Queen's Research Medical Institute and Clinical Research Imaging Center, was one of awe to say the least. The sense of academia and purpose is evident in every medical professional with whom I have had the privilege of working with thus far. I am currently enmeshed in the middle of my program, having been warmly welcomed and under the tutelage of Professor Edwin van Beek and Professor John Murchison, as well as their respective teams. It has enlightened my perception of Cardiothoracic Imaging, to implement new and improved clinical practice back home and to become more involved in future research opportunities. It has also stimulated to me alter my mindset about certain disease entities and how to improve the structure and content of my reports. I have had the privilege of joining in a number of multidisciplinary meetings, based both locally and nationally via teleconference. I am very grateful to the ESOR/ESTI, as well as the aforementioned imaging facilities and tutors in Edinburgh for affording me this once-in-a-lifetime opportunity. Experiencing first-world innovative medicine and advances in cardiothoracic imaging firsthand has truly been inspiring. I look forward to learning much more over the next few months and in-turn implementing my newfound knowledge into clinical practice back home.



Elena Stefan

Princess Alexandra NHS Trust, Harlow/United Kingdom
Topic: Thoracic Radiology
Calmette Hospital - CHRU de Lille, Lille/France

The three-month ESOR fellowship has been a great opportunity to improve my knowledge in chest imaging and to compare practices in my home hospital and the well-respected Calmette Hospital in Lille, France. The level of excellence that I found here, with a special emphasis on both patient care and research, was truly remarkable. I have been exposed to a large number of interesting and rare cases every day and have been actively participating in the reporting sessions with consultants. I was invited to attend multidisciplinary meetings, teaching sessions and academic lectures, including national level courses organised by the department for consultant radiologists (a one-day course - "CT in ILD - from semiology to diagnostic hypothesis" - and a three-day Intensive Course on Thoracic CT). I would like to thank all the members of the radiology team at Calmette Hospital for their hospitality, and especially the head of the department Prof. Martine Remy-Jardin, who made all this possible. I am very grateful to the ESOR and ESTI for awarding me this fellowship and I highly encourage young radiologists to apply and gain the most of this fruitful experience.

ONE-YEAR FELLOWSHIPS

My experience

ABDOMINAL RADIOLOGY



Yvonne Marie Purcell

St. Vincent's University Hospital, Dublin/Ireland

Topic: Abdominal Radiology

Training Centre: Hôpital Beaujon, Clichy/France

I would like to thank the ESOR Committee for the wonderful opportunity to train as an abdominal radiology fellow in Hôpital Beaujon, Clichy. Though only the beginning of my fellowship in Beaujon, I feel I have telescoped a great deal into my first few months, from pathology-specific hepatic, pancreatic and hollow-organ CT and MR sessions, Ultrasound-guided biopsy lists, liver CEUS, multidisciplinary meeting participation, to academic responsibilities including resident and student teaching, and research projects. I feel immensely privileged to avail of all that Beaujon has to offer as a centre of excellence, including its liver transplant unit, innovative triple assessment-style liver and pancreatic clinics, and referral centre for acute mesenteric ischaemia. I wish to express my sincere gratitude to Professor Valérie Vilgrain for her guidance and unwavering support, and to the other members of the consultant body, who, from the beginning, have been so generous with their time and expertise.

CHEST RADIOLOGY



Carlos Francisco Monteiro Da Silva

Hospital S. Bernardo, Setúbal/Portugal

Topic: Chest Radiology

Training Centre: Heidelberg University Medical Center, Heidelberg/Germany

I am very pleased to work with renowned experts at Universitätsklinikum Heidelberg and Thoraxklinik Heidelberg Radiology Departments. So I especially appreciate the dedication of my mentors Prof. Claus-Peter Heußel and Prof. Hans-Ulrich Kauczor for helping me in my research projects that I am currently involved in, namely on (1) bone mineral density analysis on ILD patients, (2) false positive causes of high-uptake on PET-CT scans in lung cancer patients, (3) Micro-CT analysis of cryobiopsy lung specimens in patients with possible UIP pattern, (4) lung nodule analysis in new softwares that could possibly be in the short-term applied to lung cancer screening and (5) writing/co-authoring a book about Value-Based Radiology. To conclude, I want to express my gratitude to ESOR for giving me this opportunity to take part in ESOR One-year Fellowship Programme here in Heidelberg.

IMAGING BIOMARKERS IN CANCER



Maria Lisitskaya

Federal Center of Medicine and Rehabilitation, Moscow/Russia

Topic: Imaging Biomarkers in Cancer

Training Centre: Champalimaud Foundation, Lisbon/Portugal

I was very warmly welcomed and, from the very first minute, engaged in scientific work and research projects. I investigate patient's data and explore different models, concepts and algorithms of quantitative imaging biomarkers, which also gives me in addition an opportunity to revise and expand my knowledge in cancer diagnosis. During my training period, I participate in all available activities, including case presentations and lectures that cover different topics from all fields of oncology, genetics, immunology, radiobiology. I would like to express my gratitude to ESOR for giving me the opportunity to be a fellow at Champalimaud Foundation and the chance not only to increase my professional skills but also for social experience and the chance to get integrated into different culture, which is priceless. I am looking forward for the remaining time.

IMAGING OF CANCER



Thi Dan Linh Nguyen-Kim

University Hospital Zurich, Zurich/Switzerland

Topic: Imaging of Cancer

Training Centre: Netherlands Cancer Institute - Antoni van Leeuwenhoek, Amsterdam/The Netherlands

I am sincerely grateful to ESOR for giving me the great opportunity to spend a one year ESOR Research-Fellowship at The Netherlands Cancer Institute in Amsterdam. I was warmly welcomed by the whole research department and feel deeply honored to be part of the inspiring Immunoradiology Research Group. I am participating in ongoing research projects. It is amazing to take part at the research meetings, to learn from distinguished experts, and to collaborate on new research projects. I would like to thank Prof. Regina Beets-Tan, Chair of the Department of Radiology, for providing me this special opportunity and special thanks to her outstanding mentoring. I can only encourage every resident or radiologist to take the chance to take part at the ESOR Program. My ongoing ESOR experience at The Netherlands Cancer Institute is a highlight of my career.

INTERVENTIONAL NEURORADIOLOGY



Javier Luis Moreno Negrete

Hospital Clínic I Provincial de Barcelona, Barcelona/Spain

Topic: Interventional Neuroradiology

Training Centre: Hospital Clinic of Barcelona, Barcelona/Spain

I think this fellowship is a wonderful opportunity for learning interventional Radiology. In my first months, I have participated in many procedures and I have been involved in several research projects. I would like to thank the ESOR training program for the opportunity and the neurovascular staff at the hospital clinic in Barcelona for the warm welcome. My role in this first months involved mostly diagnostic arteriographies, stroke management and diagnostic neuroradiology. It has also been a great opportunity for learning teamwork and patient management at the angio-suite. Finally, I would like to thank our tutor Dr. Lopez-Rueda and the rest of the staff Dr. Macho, San román and Blasco for their commitment with education. I hope my remaining period will be as fruitful and nurturing as my first months have been.

INTERVENTIONAL RADIOLOGY



Ibrahim Ilker Oz

Bülent Ecevit University, Zonguldak/Turkey

Topic: Interventional Radiology

Training Centre: Radboud University Medical Center, Nijmegen/The Netherlands

I would like to thank the ESOR for giving the opportunity to be trained in the field of Interventional Radiology, at Radboud University Medical Centre in Nijmegen. The Radboud UMC is the one of the best and pioneer center for prostate imaging and interventions. In my first three months I have participated in diagnostic and therapeutic procedures at the angio suite and MRI and I have attended multidisciplinary committees. I was most impressed with the professionalism and the high quality of care that is provided in Interventional Radiology. Learning prostate MRI and interventions are the one of the most unforgettable experiences of my career. Finally, I would like to thank Prof. Mathias Prokop, Prof. Jurgen Futterer and their collaborators for giving me the feeling that I am already part of the team.

PAEDIATRIC RADIOLOGY



Asimina Papaioannou

University Hospital Attikon, Athens/Greece

Topic: Paediatric Radiology

Training Centre: Hôpital du Kremlin Bicêtre, Le Kremlin Bicêtre/France

The ESOR Fellowship Programme gave me the chance for training in a hospital of another country, Hopital Kremlin -Bicetre, Paris, one of the best hospitals in France, as it is a level 1 liver transplantation centre in France, and I am grateful for it. This has been an amazing experience because I had the opportunity to discuss clinical cases and research projects together with Prof. C. Adamsbaum, the director, D. Pariente, S. Franchi, B. Husson and the entire staff of the department, and it has been like going inside a brand new exciting and challenging reality. During the time of the year that I stayed in the Hospital, I had the opportunity to observe their clinical activity in Conventional Radiology, Ultrasound, MRI, CT sections, appreciating their extraordinary organisation and knowledge. The working environment in the Radiology Department reflected its position among other hospitals in France, providing so many radiologists from all over the world, with an opportunity to express the best of themselves in pediatric radiology. Thanks to the educational programme of the department, I received a huge quantity of learning input, such as research meetings, conferences, as well as faculty members' lectures and journal club. This experience has enriched my radiological knowledge and I have acquired new skills in pediatric imaging. I am sure this experience will significantly influence my future choices and my work. I have the feeling that I have made a new family here that I would be happy and I hope to join again in the future. Furthermore, I was familiarized with French language, and I experienced the life in one of the most beautiful cities in the world. It's a unique experience that every young radiologist should live. These fellowships could become the foundation for future scientific collaborations and certainly sincere personal relationships.



*Education in
partnership*

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Santiago/Chile



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The Hague/Netherlands



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Nikoleta Traikova
 Plovdiv/Bulgaria



Edwin J.R. Van Beek
 Edinburgh/
 United Kingdom



Berit Verbist
 Leiden/The Netherlands



Ioannis Vlahos
 London/United Kingdom



Emina Talakic
 Graz/Austria



Charikleia Triantopoulou
 Athens/Greece



Cornelius van de Velde
 Leiden/Netherlands



Koenraad Verstraete
 Ghent/Belgium



Jens Vogel-Claussen
 Hannover/Germany



Patrice Taourel
 Montpellier/France



Agnieszka Trojanowska
 Lublin/Poland



Luc Van den Hauwe
 Edegem/Belgium



Pedro Vilela
 Lisbon/Portugal



Josef Vymazal
 Prague/Czech Republic

Faculty 2011



John C. Waterton
Manchester/
United Kingdom



Marc Zins
Paris/France



Mark O. Wielpütz
Heidelberg/Germany



Tarek Yousry
London/United Kingdom



Sophia Zackrisson
Malmö/Sweden



Giulia Zamboni
Verona/Italy



Christoph J. Zech
Basel/Switzerland

Ayan Abdrakhmanov
Astana/Kazakhstan

Zhanna Abdrakhmanova
Astana/Kazakhstan

Bakhyt Abishev
Astana/Kazakhstan

Gabriel Adelsmayr
Graz/Austria

Serik Alimbaev
Astana/Kazakhstan

Alexey Aspidov
Moscow/Russia

Antonio Beltran
Lisbon/Portugal

Jenny Bencardino
New York/United States

Mynzhylky Berdikhojayev
Almaty/Kazakhstan

Kunwar Bhatia
London/United Kingdom

Julia Camps
Alzira/Spain

Jeong Yeon Cho
Seoul/Korea

Elmira Chuvakova
Astana/Kazakhstan

Maria del Pilar Cortés
Montreal/Canada

Durval Costa
Lisbon/Portugal

Bruno Costa Da Silva
Lisbon/Portugal

Manuela Ferreira
Lisbon/Portugal

Rita Fior
Lisbon/Portugal

Fabio Garcia-Castro
Valencia/Spain

Magaly Garza
Monterrey/Mexico

Marc Ghysels
Brussels/Belgium

Alison Gillams
London/United Kingdom

Adam Hatzidakis
Heraklion/Greece

Suindyk Imankulov
Astana/Kazakhstan

Woo Kyoung Jeong
Seoul/Korea

Yulduz Khodjibekova
Tashkent/Uzbekistan

Se Hyung Kim
Seoul/Korea

Kulash Maer
Astana/Kazakhstan

Aloha Maeve
Mexico City/Mexico

Saule Mukhametzhanova
Astana/Kazakhstan

Talgat Nurgozhin
Astana/Kazakhstan

Sabine Oswald
Graz/Austria

Lizbet Pérez
Santiago/Chile

Alexander Radbruch
Heidelberg/Germany

Ursula Reiter
Graz/Austria

**Marcelo Rodriguez
de Abreu**
Porto Alegre/Brazil

Javier Rodriguez Lucero
Rosario/Argentina

Aigul Saduakasova
Astana/Kazakhstan

Orazbek Sakhov
Almaty/Kazakhstan

**Carmen Venetia Sal-
van-Schachl**
Graz/Austria

Niklaus Schaefer
Lausanne/Switzerland

Wolfgang Schima
Vienna/Austria

Johannes Schmid
Graz/Austria

Nikolay Shimanovskiy
Moscow/Russia

Pablo Soffia
Santiago/Chile

Christopher Spreizer
Graz/Austria

Daniela Stoisa
Rosario/Argentina

Carlos Ignacio Torres
Montreal/Canada

Sukhov V.Yu
Saint Petersburg/Russia

Jorge Vidal
San Juan/Puerto Rico



Tutors 2017



Catherine Adamsbaum
Hôpital du Kremlin Bicêtre
Le Kremlin Bicêtre/FR
Paediatric Radiology



Ignasi Barber
Hospital Sant Joan de Deu
Barcelona/ES
Paediatric Radiology



Regina Beets-Tan
Netherlands Cancer
Institute - Antoni van
Leeuwenhoek
Amsterdam/NL
Imaging of Cancer



**Luca Alessandro
Carbonaro**
University of Milan, IRCCS
Policlinico San Donato
San Donato Milanese/
Milan/IT
Breast Imaging



David Elias
King's College Hospital
London/UK
Musculoskeletal Radiology



Simone Agostini
Azienda Ospedaliero
Universitaria Careggi
Florence/IT
Urogenital Radiology



Tristan Barrett
Cambridge University
Hospitals NHS Trust -
Addenbrooke's Hospital
Cambridge/UK
Urogenital Radiology



Massimo Bellomi
European Institute
of Oncology
Milan/IT
Abdominal Radiology



Juan Carlos Carreño
Hospital Materno-Infantil
Vall d'Hebron
Barcelona/ES
Paediatric Radiology



Jürgen Fütterer
Radboud University
Medical Centre
Nijmegen/NL
Interventional Radiology



Hatem Alkadhi
University Hospital Zurich
Zurich/CH
Cardiac Imaging



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



Fabrice Bonneville
Hôpital Purpan - Centre
Hospitalier Universitaire
(CHU) de Toulouse
Toulouse/FR
Neuroradiology



Stefano Colagrande
Azienda Ospedaliero
Universitaria Careggi
Florence/IT
Urogenital Radiology



Eva-Maria Gassner
Innsbruck Medical
University
Innsbruck/AT
Emergency Radiology



Maria Argyropoulou
University of Ioannina
Ioannina/GR
Paediatric Radiology



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



Alexandra Borges
Instituto Portugues de
Oncologia de Lisboa
Francisco Gentil
Lisbon/PT
Head and Neck Radiology



Indran Davagnanam
The National Hospital of
Neurology and Neurosur-
gery UCLH Foundation
Trust
London/UK
Neuroradiology



Edmund Godfrey
Cambridge University
Hospitals NHS Trust -
Addenbrooke's Hospital
Cambridge/UK
Abdominal Radiology



Matthias Gutberlet
 University of Leipzig -
 Heart Centre
 Leipzig/DE
 Cardiac Radiology



Miltiadis Krokidis
 Cambridge University
 Hospitals NHS Trust -
 Addenbrooke's Hospital
 Cambridge/UK
 Interventional Radiology



Christian Loewe
 Medical University of
 Vienna
 Vienna/AT
 Cardiac Radiology



Xavier Merino
 Hospital Universitari
 Vall d'Hebrón
 Barcelona/ES
 Abdominal Radiology



Laura Oleaga
 Hospital Clinic
 of Barcelona
 Barcelona/ES
 Interventional Neuro-
 radiology



Thomas Helbich
 Medical University of
 Vienna
 Vienna/AT
 Breast Imaging



Max Lahaye
 Netherlands Cancer
 Institute - Antoni van
 Leeuwenhoek
 Amsterdam/NL
 Abdominal Radiology



Olivier Lucidarme
 Pitié-Salpêtrière
 University Hospital
 Paris/FR
 Abdominal Radiology/
 Oncologic Imaging



Elizabeth Morris
 Memorial Sloan-Kettering
 Cancer Center
 New York/USA
 Breast Imaging



Daniel Ott
 Inselspital, University
 Hospital Bern
 Bern/CH
 Emergency Radiology



Claus Peter Heussel
 Heidelberg University
 Medical Center
 Heidelberg/DE
 Chest Radiology



Anna Rita Larici
 Policlinico Universitario
 „Agostino Gemelli“
 Rome/IT
 Chest Radiology



Juan Macho
 Hospital Clinic
 of Barcelona
 Barcelona/ES
 Interventional
 Neuroradiology



Mario Muto
 AO Cardarelli
 Naples/IT
 Neuroradiology



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



Lucia Kroft
 Leiden University Medical
 Center
 Leiden/NL
 Cardiac Imaging



Ravi Lingam
 London Northwest
 Hospitals NHS Trust &
 Mount Vernon Cancer
 Centre
 London/UK
 Head and Neck Radiology



Celso Matos
 Champalimaud
 Foundation
 Lisbon/PT
 Imaging Biomarkers in
 Cancer



**Iris-Melanie
 Nöbauer-Huhmann**
 Medical University
 of Vienna
 Vienna/AT
 Musculoskeletal Radiology



Nickolas Papanikolaou
 Champalimaud
 Foundation
 Lisbon/PT
 Imaging Biomarkers in
 Cancer

Tutors 2017



Daniele Pariente
Hôpital du Kremlin Bicêtre
Le Kremlin Bicêtre/FR
Paediatric Radiology



Mathias Prokop
Radboud University
Medical Centre
Nijmegen/NL
Interventional Radiology



Martine Remy-Jardin
Calmette Hospital -
CHRU de Lille
Lille/FR
Thoracic Radiology



Ruchy Sinnatamby
Cambridge University
Hospitals NHS Trust -
Addenbrooke's Hospital
Cambridge/UK
Breast Imaging



Rick van Rijn
Emma Children's
Hospital - Academic
Medical Center
Amsterdam/NL
Paediatric Radiology



Federica Pediconi
Policlinico Umberto I
Rome/IT
Breast Imaging



Helmut Prosch
Medical University
of Vienna
Vienna/AT
Thoracic Radiology



Philip Robinson
Chapel Allerton
Musculoskeletal Radiology
Leeds Teaching Hospitals
Leeds/UK
Musculoskeletal Radiology



Tommaso Tartaglione
Policlinico Universitario
„Agostino Gemelli“
Rome/IT
Head and Neck Radiology



Valerie Vilgrain
Hôpital Beaujon
Clichy/FR
Abdominal Radiology



Giuseppe Petralia
European Institute of
Oncology
Milan/IT
Abdominal Radiology/
Urogenital Radiology



Nadya Pyatigorskaya
Pitié-Salpêtrière
University Hospital
Paris/FR
Neuroradiology



Maxime Ronot
Hôpital Beaujon
Clichy/FR
Abdominal Radiology



Edwin van Beek
University of Edinburgh
Edinburgh/UK
Thoracic Radiology



Tim Weber
Heidelberg University
Medical Center
Heidelberg/DE
Oncologic Imaging



Daniela Prayer
Medical University of
Vienna
Vienna/AT
Neuroradiology



Monique Reijnierse
Leiden University
Medical Center
Leiden/NL
Musculoskeletal Radiology



Xavier Serres
Hospital Universitari
Vall d'Hebrón
Barcelona/ES
CEUS



Johan Van Goethem
Antwerp University
Hospital
Edegem/BE
Neuroradiology



Marc Zins
Hôpital Saint-Joseph
Paris/FR
Abdominal Radiology

Dietrich Beitzke

Medical University
of Vienna
Vienna/AT
Cardiac Radiology

Thomas Booth

King's College Hospital
London/UK
Neuroradiology

Pilar Calvillo

Hospital Universitario
y Politecnico La Fe
Valencia/ES
Chest Radiology

Samantha Chippington

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

Steve Connor

Kings Health Partner
(encompassing Kings
College Hospital and
Guy's and Thomas'
Hospital)
London/UK
Head and Neck Radiology

Claudio Defilippi

Azienda Ospedaliero
Universitaria Careggi
Florence/IT
Paediatric Radiology

Didier Dormont

Pitié-Salpêtrière
University Hospital
Paris/FR
Neuroradiology

Marina Easty

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

Nadine Girard

Hôpital Timone
Marseille/FR
Paediatric Radiology

Matthias Grothoff

University of Leipzig –
Heart Centre
Leipzig/DE
Cardiac Radiology

Aimee Herzog

Jena University Hospital
Jena/DE
Breast Imaging

Wilhelm Kuker

John Radcliffe Hospital
Oxford/UK
Neuroradiology

Claudette Loo

Netherlands Cancer
Institute - Antoni van
Leeuwenhoek
Amsterdam/NL
Breast Imaging

Thomas Mayer

Jena University Hospital
Jena/DE
Neuroradiology

Donna Plecha

Case Western Reserve
University
Cleveland/USA
Breast Imaging

Andrew Plumb

University College
London - Centre for
Medical Imaging
London/UK
Abdominal Radiology

Grazia Pozzi

IRCCS Istituto Ortopedico
Galeazzi
Milan/IT
Musculoskeletal Radiology

Christoph Rehnitz

Heidelberg University
Medical Center
Heidelberg/DE
Musculoskeletal Radiology

Suzanne Ryan

King's College Hospital
London/UK
Abdominal Radiology

Esther Sánchez

VU University
Medical Centre
Amsterdam/NL
Neuroradiology

Vijay Sawlani

University Hospital
Birmingham - Queen
Elizabeth Medical Centre
Birmingham/UK
Neuroradiology

Maria Isabel Vargas

University Hospital
of Geneva
Geneva/CH
Neuroradiology

Mathilde Wagner

Pitié-Salpêtrière
University Hospital
Paris/FR
Abdominal Radiology/
Oncologic Imaging

Siobhan Whitley

Cambridge University
Hospitals NHS Trust -
Addenbrooke's Hospital
Cambridge/UK
Abdominal Radiology

Jason Wilkins

King's College Hospital
London/UK
Interventional Radiology



ESOR AT ECR 2017



ESOR SESSION HOW TO GAIN AND MAINTAIN QUALITY EDUCATION IN RADIOLOGY

Moderators

P. Parizel, Antwerp/BE

N. Gourtsoyiannis, Athens/GR

Introduction

P. Parizel, Antwerp/BE

ESOR in action 2017

N. Gourtsoyiannis, Athens/GR

How to improve education in radiology

S.J. Golding, Oxford/UK

Feeling confident? Evaluating competencies

O. Kolokythas, Winterthur/CH

Lifelong learning: stay sharp in the field of radiology

B. Ertl-Wagner, Munich/DE

Find your mentor and stick together

C. Minoiu, Bucharest/RO

Awards

On the occasion of the session, scholars and fellows were awarded certificates for successfully completing the 2016 Visiting Scholarship Programmes, and Exchange Programmes for Fellowships

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- 5 Kunming/China
- 6 Guangzhou/China
- 7 Hangzhou/China
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- 9 Changsha/China
- 10 Dalian/China
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- 27 Changchun/China
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ESOR Office | European Society of Radiology

Neutorgasse 9 | 1010 Vienna | Austria

Phone: +43-1-533 40 64-521

Fax: +43-1-533 40 64-448

esor@myesr.org

myESR.org/esor

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