ECR 2017 will be a green meeting designed to meet environmental sustainability criteria set by the Österreichisches Umweltzeichen (Austria’s national eco-friendly certificate).

The ECR is the annual meeting of the European Society of Radiology (ESR). Thanks to the collaboration with the European Federation of Radiographer Societies (EFRS), the ECR can also be considered the annual meeting of radiographers in Europe.

COORDINATION

European Society of Radiology
ESR Office, Neutorgasse 9, 1010 Vienna, Austria
Phone: (+ 43 1) 533 40 64-0
E-mail: communications@myESR.org
www.myESR.org

Managing Editor: Julia Patuzzi
Coordination of the scientific programme: ECR Scientific Programme Department
Art Direction: Ronald Talasz
Layout: Barbara Biegl

Photo Credits: Unless otherwise indicated all pictures © ESR – European Society of Radiology
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<th>LEVEL</th>
<th>First three years of training</th>
<th>LEVEL</th>
<th>Fourth and fifth years of training (general radiologist standard)</th>
<th>LEVEL</th>
<th>Subspecialty training standard</th>
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www.myESR.org

Preliminary Programme | ECR 2017
European Congress of Radiology

ECR 2017

VIENNA
MARCH 1-5
THE FLOWER GARDENS
of RADIOLOGY

SUBMIT YOUR
ABSTRACT

Abstract Submission
Scientific Papers
JULY 4-OCTOBER 15, 2016

Poster Abstract Submission to EPOS™
(Electronic Presentation Online System)
JULY 4-OCTOBER 15, 2016

Student Abstract Submission
Scientific Papers
JULY 4-OCTOBER 15, 2016

Abstract Submission
Clinical Trials in Radiology
JULY 4-DECEMBER 18, 2016

myESR.org
**ECR 2017 TIMELINE**

<table>
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<tr>
<th>Date Range</th>
<th>Event</th>
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<td>July 4 – October 15, 2016</td>
<td><strong>Abstract Submission Scientific Papers</strong></td>
</tr>
<tr>
<td>July 4 – October 15, 2016</td>
<td><strong>Poster Abstract Submission to EPOS™</strong> (Electronic Presentation Online System)</td>
</tr>
<tr>
<td>July 4 – October 15, 2016</td>
<td><strong>Student Abstract Submission Scientific Papers</strong></td>
</tr>
<tr>
<td>July 4 – October 15, 2016</td>
<td><strong>Invest in the Youth Programme</strong> Application Open</td>
</tr>
<tr>
<td>July 4 – December 18, 2016</td>
<td><strong>Abstract Submission Clinical Trials in Radiology</strong></td>
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<tr>
<td>July 22 – December 12, 2016</td>
<td><strong>MSK Manifestations of Systemic Disease (Case-Based Diagnosis Training) Submission</strong></td>
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<tr>
<td>September 1, 2016</td>
<td><strong>Online Registration Opens</strong></td>
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<tr>
<td>August 16 – December 16, 2016</td>
<td><strong>Poster Upload to EPOS™</strong> (for Accepted Abstracts)</td>
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<tr>
<td>November 30, 2016</td>
<td><strong>ESR Membership 2016 Final Application Deadline</strong></td>
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<tr>
<td>December 2016</td>
<td><strong>Notification of Paper Abstract Acceptance</strong> (Oral Presentations)</td>
</tr>
<tr>
<td>March 1–5, 2017</td>
<td><strong>ECR 2017 (Wednesday to Sunday)</strong></td>
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**CONGRESS VENUE**

Austria Center Vienna
Bruno Kreisky Platz 1
1220 Vienna, Austria

**CONGRESS LANGUAGE**

English

**CME ACCREDITATION**

Each ECR delegate has access to confirmation of all activities attended (CME confirmation and record of attendance). The maximum number of CME points will differ depending on your national jurisdiction.

For further information, please contact the ECR CME Support at cme@myESR.org

**FACTS & FIGURES ECR 2016**

- 25,998 Participants
- 5,927 registered ECR Live viewers
- 133 Countries
- 374 Scientific and Educational Sessions
- 2,763 Scientific and Educational Exhibits
- 1,393 Scientific Papers
- 320 Voice of EPOS Presentations
- 856 Invited Lectures
- Fully Electronic Scientific Exhibition
- 300 exhibitors, including national, international and subspecialty societies
- 26,000m² exhibition space

**SCIENTIFIC AND EDUCATIONAL PROGRAMME**

3 Honorary Lectures
4 ESR/EFRS meets Sessions
2 Image Interpretation Quizzes
3 New Horizons Sessions
3 State of the Art Symposia
19 Special Focus Sessions
10 Professional Challenges Sessions
4 Multidisciplinary Sessions
Joint Course of the ESR and RSNA

- E³ – European Excellence in Education
- E³ – Rising Stars Programme (for Residents & Students)
  - Basic Sessions & Joint Sessions with ESOR (European School of Radiology)
  - Student Sessions
  - EFRS Radiographers’ Basic Session
  - Case-Based Diagnosis Training
- E³ – European Diploma Prep Sessions
- E³ – The Beauty of Basic Knowledge
- E³ – ECR Academies
- E³ – ECR Master Classes
- Pros & Cons Session
- The Voice of EPOS Sessions
- Refresher Courses & Scientific Sessions
- Radiology Trainees Forum – Highlighted Lectures
- RTF Quiz
- EIBIR Sessions (European Institute for Biomedical Imaging Research)
- ESRF Session (European School of Radiology)
- ESR Audit and Standards Subcommittee Session
- ESR Patient Advisory Group Sessions
- ESR Working Group on Ultrasound Sessions
- ESR Working Group on Ultrasound and EFSUMB Session (European Federation of Societies for Ultrasound in Medicine and Biology)
- European Radiology 25th Anniversary Session
- EuroSafe Imaging Sessions
- PIER Sessions (Professional Issues and Economics in Radiology)
- ESHI Session (European Society for Hybrid Medical Imaging)
- Joint Sessions with related societies (EANM, EORTC, ERS, ESMRMB, ESTRO, UEMS)
- EFOMP Workshop (European Federation of Organisations for Medical Physics)
- EFRS Workshop (European Federation of Radiographer Societies)
- Satellite Symposia & Industry Workshops

[www.myESR.org](http://www.myESR.org)
European Congress of Radiology
ECR
2017

VIENNA
MARCH 1-5
THE FLOWER GARDENS
of RADIOLOGY

REGISTER NOW!

myESR.org
**REGISTRATION FEES (INCLUDING 10% VAT):**

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Fee</th>
<th>Middle Fee</th>
<th>Late Fee</th>
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<td>ESR Full Member</td>
<td>€470</td>
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<td>€700</td>
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<td>ESR Corresponding Member</td>
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<td>Full Fee Non-Member</td>
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<td>Radiographer Non-Member</td>
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<td>€220</td>
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<td>Student@ECR*</td>
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<td>Oral Presenter Member</td>
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<td>€250</td>
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<td>Participate from home**</td>
<td>–</td>
<td>€330</td>
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<td>Single Day Ticket (onsite only)</td>
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<td>€315</td>
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**REGISTRATION AS MEMBER**

In order to qualify for reduced member registration fees for ECR 2017, ESR Membership for the year 2016 must have been settled and approved by August 31, 2016. All other participants must register as non-members. Please note that the ESR will not refund any registration fees once registration and payment have been completed, including in cases of subsequent ticket changes or membership-related changes.

*Students* under the age of 30, who do not yet have an academic degree, can register for just €50.

**Participate from home**
The registration category ‘Participate from home’ has been created for individuals who are NOT able to attend the congress in person but would still like their EPOS poster to be shown during and after the congress.

**ECR REGISTRATION DEADLINES**

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Deadline</th>
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<td>Early Fee</td>
<td>September 1 – November 16, 2016</td>
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<tr>
<td>Middle Fee</td>
<td>November 17 – December 14, 2016</td>
</tr>
<tr>
<td>Late Fee</td>
<td>from December 15, 2016 onwards</td>
</tr>
</tbody>
</table>

**CANCELLATION INSURANCE**

The ESR offers all pre-registered participants the option of taking out a cancellation policy with our partner ‘Europäische Reiseversicherung’. The insurance fee depends on the ticket selected and can only be booked during online registration. After completion of registration and/or payment, insurance can no longer be selected. The ESR itself will not refund any registration fees.

For further information please visit www.myESR.org/registration2017 or contact registration@myESR.org
**TIMETABLE**

**Wednesday, March 1**

08:30 - 9:00
Special Focus Session SF 1
Professional Challenges Session PC 1
E³ - ECR Academies E¹ 118, E¹ 121
E³ - ECR Master Classes E¹ 126a, E¹ 126b
Refresher Courses (100)
E³ - Rising Stars Programme Basic Session 1
ESR Working Group on Ultrasound
Satellite Symposia

10:00 - 10:30
E³ - ECR Academies E¹ 218, E¹ 221
Scientific Sessions (200)
E³ - Rising Stars Programme Basic Session 2
Satellite Symposia

11:00 - 11:30
Guest Lecture
Breaking News from Latin America
Maria de Fátima Vasco Aragão, BR
E³ - The Beauty of Basic Knowledge
E¹ 24A, E¹ 25A
Clinical Trials in Radiology 1
Satellite Symposia

**Thursday, March 2**

08:30 - 9:00
Special Focus Sessions SF 5a, SF 5b
State of the Art Symposium SA 5
New Horizons Session NH 5
E³ - ECR Academies E¹ 518, E¹ 521
E³ - ECR Master Classes E¹ 526a, E¹ 526b
Refresher Courses (500)
Joint Course: ESR and RSNA MC 528
E³ - Rising Stars Programme Basic Session 5
ESR Audit and Standards Session
ESR Working Group on Ultrasound 3
EIBIR Session 1

10:00 - 10:30
E³ - ECR Academies E¹ 618, E¹ 621
Joint Course: ESR and RSNA MC 628
Scientific Sessions (600)
E³ - Rising Stars Programme Basic Session 6
EuroSafe Imaging Session 2

11:00 - 11:30
Wilhelm Conrad Röntgen
Honorary Lecture
Mauricio Castillo, US
E³ - The Beauty of Basic Knowledge
E¹ 24B, E¹ 25C
Clinical Trials in Radiology 2
RTF Quiz
Satellite Symposia

**Friday, March 3**

08:30 - 9:00
Professional Challenges Session PC 9
Special Focus Session SF 9
Multidisciplinary Session MS 9
E³ - ECR Academies E¹ 919, E¹ 921
E³ - ECR Master Class E¹ 926
Refresher Courses (900)
EFOMP Workshop EF 1
E³ - Rising Stars Programme
Joint Basic Session of the ESR and ESOR 2
EIBIR Session 2
Joint Session of the ESR and ESTRO
Joint Session of the ESR Working Group on Ultrasound with EFSUMB

10:00 - 10:30
ESR meets Belgium
E³ - ECR Academy E¹ 1019
Scientific Sessions (1000)
EFOMP Workshop EF 2
E³ - Rising Stars Programme
Student Session 2
Professional Issues and Economics in Radiology (PIER) 1

11:00 - 11:30
Josef Lissner
Honorary Lecture
Mathias Prokop, NL
10 years of ESOR
E³ - The Beauty of Basic Knowledge
E¹ 24C, E¹ 25C
Satellite Symposia

**Saturday, March 4**

08:30 - 9:00
Professional Challenges Session PC 13
Special Focus Sessions SF 13a, SF 13b
E³ - ECR Academies E¹ 1320, E¹ 1321, E¹ 1322
E³ - ECR Master Class E¹ 1326
E³ - European Diploma Prep Session E¹ 1323
Refresher Courses (1300)
E³ - Rising Stars Programme
Student Session 3
EFRS Radiographers’ Basic Session
ESHI Session

10:00 - 10:30
ESR meets the United States of America
E³ - ECR Academies E¹ 1420, E¹ 1421, E¹ 1423
E³ - European Diploma Prep Session E¹ 1423
Scientific Sessions (1400)
ESR Patient Advisory Group
ESR-PAG 1
RTF Highlighted Lectures

11:00 - 11:30
Arthur de Schepper
Honorary Lecture
Fiona J. Gilbert, UK
E³ - The Beauty of Basic Knowledge
E¹ 24D, E¹ 25D
Junior Image Interpretation Quiz
Satellite Symposia

**Sunday, March 5**

08:30 - 9:00
Special Focus Sessions SF 17a, SF 17b, SF 17c
E³ - ECR Academy E¹ 1721
E³ - ECR Master Classes E¹ 1726a, E¹ 1726b, E¹ 1726c
Refresher Courses (1700)
E³ - Rising Stars Programme
Final Student Session

10:00 - 10:30
ESR meets Peru
E³ - ECR Academy E¹ 1821
E³ - European Diploma Prep Session E¹ 1823
Scientific Sessions (1800)

11:00 - 11:30
E³ - The Beauty of Basic Knowledge
E¹ 24E, E¹ 25E
Case-Based Diagnosis Training 1

---

The Voice of EPOS - in the EPOS™ Arena

Wednesday – Friday: 09:00–16:00 • Saturday: 09:00–15:00 • Sunday: 09:00–13:00
# General Information

## Preliminary Programme | ECR 2017

[www.myESR.org](http://www.myESR.org)

## TIMETABLE

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<thead>
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<th>Thursday, March 2</th>
<th>Friday, March 3</th>
<th>Saturday, March 4</th>
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### Professional Challenges Session
- **PC 3**
- **E3 - ECR Academy**
- **E3 318**

### Scientific Sessions (300)
- **E3 - Rising Stars Programme**
- **Basic Session 3**

### Satellite Symposia

### Special Focus Sessions
- **SF 4a, SF 4b**
- **Professional Challenges Session**
- **PC 4**
- **Multidisciplinary Session**
- **MS 4**
- **E3 - ECR Academy**
- **E3 418**
- **E3 - ECR Master Class**
- **E3 426**
- **Refresher Courses (400)**
- **E3 - Rising Stars Programme**
- **Basic Session 4**
- **ESR Working Group on Ultrasound**
- **Joint Session of the ESR and UEMS**
- **EuroSafe Imaging Session 1**

### Opening Ceremony
- **Presentation of Honorary Members:**
  - Richard L. Baron; US
  - James A. Brink; US
  - Gloria Soto Giordani; CL

### E3 - ECR Academies
- **E3 719, E3 721**

### Scientific Sessions (700)
- **ESOR Session**
- **MC 728**
- **E3 - Rising Stars Programme**
- **Student Session 1**
- **Joint Session of the ESR and ERS**

### Satellite Symposia

### Special Focus Session
- **SF 8**
- **State of the Art Symposium**
- **SA 8**
- **PC 8**
- **E3 - ECR Academies**
- **E3 819, E3 821**
- **Refresher Courses (800)**
- **Joint Course: ESR and RSNA**
- **MC 828**
- **E3 - Rising Stars Programme**
- **Joint Basic Session of the ESR and ESOR 1**
- **EuroSafe Imaging Session 3**
- **Joint Session of the ESR and EORTC**
- **ESR Working Group on Ultrasound 4**

### EFRS meets Belgium
- **Image Interpretation Quiz**
- **EuroSafe Imaging Session 4**
- **Professional Issues and Economics in Radiology (PIER) 2**
- **Joint Session of the ESR and ESMRMB**
- **Satellite Symposia**

### European Radiology
- **25th Anniversary Session**
- **New Horizons Session**
- **NH 12**
- **Special Focus Sessions**
- **SF 12a, SF 12b, SF 12c**
- **Multidisciplinary Session**
- **MS 12**
- **E3 - ECR Academy**
- **E3 1221**
- **Pros & Cons Session**
- **PS 1227**
- **Refresher Courses (1200)**
- **E3 - Rising Stars Programme**
- **Joint Basic Session of the ESR and ESOR 3**
- **EuroSafe Imaging Session 5**
- **Professional Issues and Economics in Radiology (PIER) 3**
- **Joint Session of the ESR and the EANM**
- **EDiR talk**

### New Horizons Session
- **NH 15**
- **Professional Challenges Sessions**
- **PC 15a, PC 15b**
- **Special Focus Sessions**
- **SF 15a, SF 15b**
- **E3 - ECR Academies**
- **E3 1520, E3 1521, E3 1522**
- **E3 - ECR Master Classes**
- **E3 1526a, E3 1526b, E3 1526c**
- **E3 - European Diploma Prep Session**
- **E3 1523**
- **Refresher Courses (1500)**
- **E3 - Rising Stars Programme**
- **Student Session 4**
- **EIBIR Session 3**

### Professional Challenges Session
- **PC 16**
- **Special Focus Sessions**
- **SF 16a, SF 16b**
- **State of the Art Symposium**
- **SA 16**
- **Multidisciplinary Session**
- **MS 16**
- **E3 - ECR Academies**
- **E3 1620, E3 1621, E3 1622**
- **E3 - ECR Master Class**
- **E3 1626**
- **E3 - European Diploma Prep Session**
- **E3 1623**
- **Refresher Courses (1600)**
- **ESR Patient Advisory Group**
- **ESR-PAG 2**
- **EFRS Workshop**

### E3 - European Diploma Prep Session
- **E3 1923**
- **Scientific Sessions (1900)**
- **E3 - Rising Stars Programme**
- **Case-Based Diagnosis Training 2**

### Satellite Symposia

### European Radiology
- **25th Anniversary Session**
- **New Horizons Session**
- **NH 12**
- **Special Focus Sessions**
- **SF 12a, SF 12b, SF 12c**
- **Multidisciplinary Session**
- **MS 12**
- **E3 - ECR Academy**
- **E3 1221**
- **Pros & Cons Session**
- **PS 1227**
- **Refresher Courses (1200)**
- **E3 - Rising Stars Programme**
- **Joint Basic Session of the ESR and ESOR 3**
- **EuroSafe Imaging Session 3**
- **Joint Session of the ESR and EORTC**
- **ESR Working Group on Ultrasound 4**

### New Horizons Session
- **NH 15**
- **Professional Challenges Sessions**
- **PC 15a, PC 15b**
- **Special Focus Sessions**
- **SF 15a, SF 15b**
- **E3 - ECR Academies**
- **E3 1520, E3 1521, E3 1522**
- **E3 - ECR Master Classes**
- **E3 1526a, E3 1526b, E3 1526c**
- **E3 - European Diploma Prep Session**
- **E3 1523**
- **Refresher Courses (1500)**
- **E3 - Rising Stars Programme**
- **Student Session 4**
- **EIBIR Session 3**

### Professional Challenges Session
- **PC 16**
- **Special Focus Sessions**
- **SF 16a, SF 16b**
- **State of the Art Symposium**
- **SA 16**
- **Multidisciplinary Session**
- **MS 16**
- **E3 - ECR Academies**
- **E3 1620, E3 1621, E3 1622**
- **E3 - ECR Master Class**
- **E3 1626**
- **E3 - European Diploma Prep Session**
- **E3 1623**
- **Refresher Courses (1600)**
- **ESR Patient Advisory Group**
- **ESR-PAG 2**
- **EFRS Workshop**

### EIBIR Session 3

### Professional Challenges Session
- **PC 16**
- **Special Focus Sessions**
- **SF 16a, SF 16b**
- **State of the Art Symposium**
- **SA 16**
- **Multidisciplinary Session**
- **MS 16**
- **E3 - ECR Academies**
- **E3 1620, E3 1621, E3 1622**
- **E3 - ECR Master Class**
- **E3 1626**
- **E3 - European Diploma Prep Session**
- **E3 1623**
- **Refresher Courses (1600)**
- **ESR Patient Advisory Group**
- **ESR-PAG 2**
- **EFRS Workshop**

### The Voice of EPOS • in the EPOS™ Arena
- **Wednesday – Friday: 09:00–16:00 • Saturday: 09:00–15:00 • Sunday: 09:00–13:00**
In March this year, *ECR Today*, the daily congress newspaper, spoke with ESR President, Professor Paul M. Parizel, from Antwerp, Belgium, to learn about his new position, his visions for the society and his ideas for next year’s congress.

**ECR Today:** You are the first officer of the European Society of Radiology to take on the new position of combined ESR/ECR President. Could you please briefly explain to our readers how this change came about and what it means? What are your main tasks and responsibilities in this position?

**Paul M. Parizel:** It is a great honour, and also a huge responsibility, to assume this new position of combined ESR/ECR President. The ESR is one of the most important and prestigious international scientific societies, with more than 63,000 members [note: 64,450 as per August 31, 2016] throughout the world. The ECR is well established as the foremost congress in radiology in Europe. Until a few years ago, nominations and elections for the ‘cursus honorum’ of the ECR and ESR were made independently of each other. This implies that we have had brilliant presidents of our society, who never became president of the congress, and vice versa. As both the society and the congress were getting bigger, and more mature, it was decided to re-evaluate and retune the strategic plan and to change the statutes so that appointments were fully integrated, instead of running on parallel tracks, as was previously the case. Bringing the congress and the society under one and the same leadership umbrella is an efficient way to better utilise our resources (human, political and financial). I am convinced that this will improve communication with our members, enhance our international standing and facilitate relationships with other societies and with the industry.

This combined ESR/ECR presidency is certainly a daunting task, and I admit that I am a little bit nervous. On the other hand, I can rely on the work of my predecessors and especially on the creative input and unflagging energy of my friends and colleagues of the Board of Directors, the Executive Council, the statutory committees, subcommittees, working groups, and, last but not least, the experience, professionalism and efficiency of the ESR staff. Our society is healthy, both politically and financially, and we are steering a stable and steady course.

**ECRT:** One of your tasks is chairing the ECR Programme Planning Committee, which means together with your team you are in charge of the scientific programme of ECR 2017. How is the Programme Planning Committee composed and how often do you meet?

**PMP:** The ECR Programme Planning Committee (PPC) consists of six persons: the Chairperson of the committee (who will be President at the time of the congress), the Deputy Chairperson (who will be 1st Vice-President), one Ordinary Member (president of the preceding congress), the Executive Director of the ESR, the Chairperson of the Finance and Internal Affairs Committee and the Chairperson of the Education Committee.

It has three large subdivisions: the Postgraduate Educational Programme Subcommittee (chaired by Prof. Hans-Ulrich Kauczor, and containing 12 members), the Scientific Papers Subcommittee (chaired by Prof. Boris Brkljačić, and comprising seven members), and the Section Coordinators (17 members).
Our PPC for ECR 2017 is carefully constituted, with bright and talented individuals of different ages and backgrounds, representing many nationalities and specific areas of expertise and knowledge.

Of all my duties as ESR President, chairing the PPC is one of the most pleasant tasks. We first met in an inaugural session, in early December 2015. Further dedicated meetings are organised by working groups, based on the different schedule. Our meetings are true brainstorming sessions, and many innovations and new ideas are formed around the table.

I consider it a privilege and an honour to lead this group, and I often feel like the conductor of a symphonic orchestra, working together with all the musicians towards improving and fine-tuning our great symphony, which will be ECR 2017.

ECRT: What will be some of the scientific highlights of ECR 2017; and what are your own favourites?

PMP: The central theme of ECR 2017 is ‘youth’, and this focus on the young(er) age group shall be reflected throughout the programme of the entire meeting. The new generation of radiologists demands high-quality education, delivered in an efficient and understandable way (‘customer-friendly’). We shall have more and improved interactive sessions, and I want to create a greater role for social media, giving more young people the opportunity to share their knowledge.

What will be the highlights of ECR 2017? It is hard to predict on an individual basis, because the ECR 2017 PPC is committed to bringing something for everyone. The European Excellence in Education (E3) ECR Academies will include sessions on spinal imaging (combined neuroradiological/musculoskeletal approach), abdominal imaging, ultrasound, and, last but not least, Interactive Teaching Sessions. Other E3 highlights include The Beauty of Basic Knowledge, and the European Diploma Prep Sessions.

In addition, as President, I hope that ECR 2017 will also be remembered for the grand opening ceremony, the honorary lectures, the social events, and most of all for the spirit of friendship and conviviality.
These are important subjects for young and old, for recently qualified radiologists as well as for established practitioners. Recently, the ESR has established the Accreditation Council in Imaging (ACI), in collaboration with the EACCME/UEMS; this body will be responsible for accrediting radiological events, e-learning and other relevant sources of CME in Europe.

**ECRT:** The ESR has been drawing an increasing number of younger delegates to its annual meeting; about one quarter of participants at recent ECRs have been students and trainees. How will this be reflected in next year’s scientific programme?

**PMP:** As you correctly observed, the mean age of ECR participants has been decreasing steadily, and this evolution has been going on for more than ten years. Therefore, I have made it a central theme of the congress. ECR 2017 will be dedicated to **YOUTH**, the Jugend, la jeunesse, la giovinezza, la juventud, моложежь. It is my intention to bring this message to young radiologists, throughout Europe and across the world. The scientific programme will reflect this focus on a new generation in radiology: there will be more interactive sessions, a more prominent role for social media, and we will have topics that are of interest to young people, because, after all, they are the future of our profession.

**ECRT:** For many radiographers throughout Europe, the ECR is the main scientific meeting of the year. What will be the main issues for radiographers at the next ECR?

**PMP:** Much more than other disciplines and specialties in medicine, radiology is teamwork. The team consists of certified radiologists, residents/registrars in training, radiographers, nurses, physicists, technical support staff, managers, etc. The quality of our performance depends on the strength of the entire team. This is why I am so happy that the ECR collaborates closely with radiographers, and the scientific programme for 2017 will reflect this growing symbiotic relationship. A big challenge here is to make sure that we reach our target audience, because there are huge differences across Europe in the definition of the profession. There are even huge differences in the name that the practitioners of that profession have: radiographers, technologists, radiology technicians, imagers, etc.
But we have developed strong and positive collaborations and you will see a bigger input in the scientific programme in ECR 2017, and in coming years.

ECRT: Since 2011, the European Diploma in Radiology (EDiR) examination has been an important constant at the ECR. Would you care to share your personal opinion about the significance of the EDiR? What are its advantages and why should young radiologists take it?

PMP: The European Diploma in Radiology (EDiR) was created to establish a 'standard of radiological knowledge' for the independent practise of general radiology. A few years ago, the ESR defined the 'body of knowledge', as laid out in the ESR European Training Curriculum for Radiology. If we want our specialty to continue to grow and blossom, such an objective test of knowledge is necessary. In this respect, the EDiR represents a significant step towards transnational harmonisation of radiological standards throughout Europe. I would strongly advise radiologists and radiology residents in their fifth year of training, to participate in this examination. Today, and even more so in the future, the EDiR will be an important element for career development and job applications. Moreover, in the context of medical migration, it will be easier for a radiologist who has successfully passed the EDiR, to use this document as proof of training, and thus hopefully facilitate procedures to apply for work in another country. Finally, and this is important, the EDiR does not replace any national board certificate, except in Poland, who have decided to consider the EDiR as equivalent to the Polish Exit Training Examination, and in Turkey where the EDiR is equivalent to the first part of the Turkish Board Examination, but should be seen as an 'added value' with an international dimension. It is a giant step forward in the European integration of our profession, and it serves as a 'quality check'.

ECRT: You have been actively involved in the creation of the poster for ECR 2017, which features a stylised skull covered in flowers. How did you choose this particular subject and what does it convey to you?

PMP: The answer to this question is simple and straightforward: the skull contains the brain, and this symbol reflects my interest in neuroradiology; the colourful flowers are a metaphor for youth, for spring, for a new dawn, and for a new generation in radiology. With this eye-catching poster, I want to invite our colleagues to join me in exploring the beautiful and fragrant flower gardens of radiology.

Radiology is an adventure, a voyage of discovery. And radiologists are like gardeners, cultivating and creating beautiful flowers, but also pruning the plants when necessary and weeding the flowerbeds. Presented like this, the analogy with diagnostic and interventional radiology should be obvious. And, on a personal note, let me tell you that, ever since I was a child, I have always been interested in graphic design. My grandfather was a very good artist, and he introduced me to techniques such as charcoal and Chinese ink drawing, as well as oil painting. Throughout my life, I have kept this interest, and the creative process of drawing still gives me joy and pleasure.

ECRT: To finish on a personal note, what made you choose radiology over any other medical specialty? And how would you ‘sell’ radiology to medical students?

PMP: As a medical student, I was interested in many things: anatomy, physiology, neuroscience, computers, and, last but not least, the brain. Neuroradiology and radiology lies at the intersection of all these disciplines. It is the crystallisation of pure medicine, and if we take a look at how radiology has developed in the past decades, it has become a crossroads, a common meeting ground for almost all fields in medicine. ‘E pluribus unum’ (‘Out of many, one’) should really be the motto of our profession.

I hope that future generations of medical students and radiology residents will have the same good luck that I had, which is to be mentored by outstanding and inspiring radiologists and neuroradiologists: Prof. Arthur De Schepper at Antwerp University Hospital (he was my mentor in general radiology), Profs. Juan Taveras and Kenneth Davis at Massachusetts General Hospital (they were my mentors in neuroradiology), and Prof. Danielle Balériaux at Hôpital Erasme and Université Libre de Bruxelles (who introduced me to MRI). I admired them and wanted to become like them, and I never regretted my choice.

Interview conducted by Julia Patuzzi
OPENING CEREMONY

Wednesday, March 1
17:45–19:00, Room A

PAUL M. PARIZEL
Antwerp/BE
ESR PRESIDENT

PRESENTATION OF
HONORARY MEMBERSHIP

Richard L. Baron; Chicago, IL/US
James A. Brink; Boston, MA/US
Gloria Soto Giordani; Santiago/CL

WILHELM CONRAD RÖNTGEN HONORARY LECTURE

Dissatisfaction, burnout and inequality: three major challenges in radiology
Thursday, March 2
12:15–12:45, Room A

MAURICIO CASTILLO
Chapel Hill, NC/US

JOSEF LISSNER
HONORARY LECTURE

Friday, March 3
13:00–13:30, Room A

MATHIAS PROKOP
Nijmegen/NL

ARTHUR DE SCHEPPER
HONORARY LECTURE

Saturday, March 4
12:15–12:45, Room A

FIONA J. GILBERT
Cambridge/UK
HEADLINE SESSIONS

GUEST LECTURE
BREAKING NEWS FROM LATIN AMERICA

How to recognise Zika virus infections on imaging studies

Wednesday, March 1
12:15-12:45, Room B

MARIA DE FÁTIMA VASCO ARAGÃO
Recife, PE/BR

IMAGE INTERPRETATION QUIZ

There’s a patient behind every interesting case

Friday, March 3
14:00-15:30, Room A

Moderator:
J.M. GARCÍA SANTOS
Murcia/ES

TEN YEARS OF ESOR

Friday, March 3
12:15-13:00, Room A

EUROPEAN RADIOLOGY 25TH ANNIVERSARY SESSION

Friday, March 3
16:00-17:30, Room Z

JUNIOR IMAGE INTERPRETATION QUIZ

Building our youth for the future

Saturday, March 4
12:55-13:55, Room A

Moderator:
A. SNOECKX
Antwerp/BE
RICHARD L. BARON
Chicago, IL/US
HONORARY MEMBER

JAMES A. BRINK
Boston, MA/US
HONORARY MEMBER

GLORIA SOTO GIORDANI
Santiago/CL
HONORARY MEMBER

JOSÉ IGNACIO BILBAO
Pamplona/ES
GOLD MEDALLIST

GUY FRIJA
Paris/FR
GOLD MEDALLIST

STEPHEN J. GOLDING
Oxford/UK
GOLD MEDALLIST

MAURICIO CASTILLO
Chapel Hill, NC/US
HONORARY LECTURER

FIONA J. GILBERT
Cambridge/UK
HONORARY LECTURER

MATHIAS PROKOP
Nijmegen/NL
HONORARY LECTURER
Once again, the ESR will welcome a number of guest countries to the ECR as part of the ‘ESR meets’ programme.

The national radiological societies of Belgium, Peru, and the United States of America (represented by both the ACR and the RSNA), will present their most recent scientific developments in joint sessions with the ESR, and try to strengthen links between professionals from different countries and disciplines. The European Federation of Radiographer Societies (EFRS) will also host its own ‘meets’ session for radiographers, in conjunction with representatives of the Association des Professionnels en Imagerie Médicale (APIM) and the Vereniging Medisch Beeldvormers (VMBv).

Both the ESR and the EFRS warmly welcome these societies and hope to see ECR delegates attend the sessions in large numbers.
ESR/EFRS MEETS SESSIONS

3 March

**Friday, March 3, 10:30–12:00, Room B**

**ESR meets Belgium**

**EM 1** Emergency radiology

- **Presiding:** D. Henroteaux; Liège/BE  
  P.M. Parizel; Antwerp/BE

  - **Introduction**  
    D. Henroteaux; Liège/BE

  - **Additional value of dual-energy CT in abdominal emergencies**  
    E. Danse; Brussels/BE

  - **High-end CT imaging in forensic medicine: experience after recent Brussel’s terror attacks**  
    W. Develter; Leuven/BE

  - **Interlude: Imaging Belgian food**  
    K. Verstraete; Ghent/BE

  - **Imaging genetics and beyond: facial reconstruction and identification**  
    P. Claes; Leuven/BE

  - **Interlude: The Belgian Museum of Radiology**  
    R. Van Tiggelen; Brussels/BE

  - **Panel discussion: Acute pathology: emergency radiologists or organ subspecialists?**

3 March

**Friday, March 3, 14:00–15:30, Room K**

**EFRS meets Belgium**

*European Federation of Radiographer Societies*

**EM 4**

- **Presiding:** H.H. Hjemly; Oslo/NO  
  S. Bogaert; Ghent/BE  
  A. Tempels; Lodelinsart/BE

- **Moderators:** G. Alleman; Beerse/BE  
  J.-L. Greffe; Lodelinsart/BE

  - **Introduction**  
    H.H. Hjemly; Oslo/NO  
    S. Bogaert; Ghent/BE  
    A. Tempels; Lodelinsart/BE

  - **A picture of the radiographers’ profession and education**  
    P. Van Laer; Lovendegem/BE

  - **Belgium: the beautiful city**  
    K. Van Belle; Sint-Andries/BE

  - **Patient safety and quality improvement in Belgian radiology departments**  
    S. Germonpré; Brussels/BE

  - **Radiation protection in Belgium**  
    O. Bran; Louette-Saint-Pierre/BE

  - **Panel discussion**

4 March

**Saturday, March 4, 10:30–12:00, Room B**

**ESR meets the United States of America**

**EM 2** Precision imaging and patient experience

- **Presiding:** J.A. Brink; Boston, MA/US  
  R.L. Ehman; Rochester, MN/US  
  P.M. Parizel; Antwerp/BE

  - **Introduction**  
    P.M. Parizel; Antwerp/BE  
    J.A. Brink; Boston, MA/US  
    R.L. Ehman; Rochester, MN/US

  - **Clinical decision support**  
    K.J. Dreyer; Boston, MA/US

  - **Interlude/Commentary: Future directions in decision support**  
    ESR/ACR/RSNA Leaders

  - **Quantitative Imaging Biomarkers Alliance**  
    E.F. Jackson; Madison, WI/US

  - **Interlude/Commentary: Future directions in quantitative imaging**  
    ESR/ACR/RSNA Leaders

  - **Imaging 3.0/Radiology Cares**  
    G. McGinity; New York, NY/US  
    R.L. Ehman; Rochester, MN/US

  - **Interlude/Commentary: Future directions in patient experience**  
    ESR/ACR/RSNA Leaders

5 March

**Sunday, March 5, 10:30–12:00, Room B**

**ESR meets Peru**

**EM 3** Peru in the radiological world

- **Presiding:** J.L. Guerrero Gil; Lima/PE  
  P.M. Parizel; Antwerp/BE

  - **Introduction: Peruvian radiology: how is it going?**  
    J.L. Guerrero Gil; Lima/PE

  - **MRI findings in CNS tuberculosis**  
    R. Marquina Diaz; Lima/PE

  - **Interlude: From Peruvian mummies to bones: use of x-rays in Peruvian archaeology (part 1)**  
    J.L. Guerrero Gil; Lima/PE

  - **MRI findings in non-tuberculosis infection disease of CNS**  
    P. Tapia Puente Arnao; Lima/PE

  - **Interlude: From Peruvian mummies to bones: use of x-rays in Peruvian archaeology (part 2)**  
    J.L. Guerrero Gil; Lima/PE

  - **MRI findings in non-tuberculosis infection disease of CNS**  
    P. Tapia Puente Arnao; Lima/PE

  - **Non-diagnosed spondyloarthitis in MRI of the spine for lower back pain**  
    J. Carpio; Lima/PE

  - **Panel discussion: Is MRI the gold standard in CNS infection disease?**
NEW HORIZONS SESSIONS

The New Horizons Sessions aim to provide practitioners with an overview of the new developments in a specific area of practice, whether it is a subspecialty, a particular technique, or certain diseases.

These developments may become routine within a few years, or may indicate a new direction for research and clinical application.

Each session is 90 minutes long and features an introduction from a chairman, followed by three or four brief presentations on different aspects of the main subject, and concluded by a panel discussion that will hopefully answer some critical questions.

Places are allocated on a first-come, first-served basis.
## NEW HORIZONS SESSIONS

### Thursday, March 2, 08:30–10:00, Studio 2017

**NH 5 Hyperpolarised MRI: imaging tissue metabolism in real time**

- **Chairman’s introduction**
  - J.M. Gomori; Jerusalem/IL
- **Hyperpolarised MRI in oncology**
  - F.A. Gallagher; Cambridge/UK
- **Hyperpolarised MRI in cardiology**
  - A. Comment; Lausanne/CH
- **Hyperpolarised MRI in respirology**
  - J. Vogel-Claussen; Hannover/DE
- **Available and potential hyperpolarised molecular targets**
  - R. Katz-Brull; Jerusalem/IL
- **Panel discussion: Is hyperpolarisation worth all the hype?**

### Friday, March 3, 16:00–17:30, Room B

**NH 12 The increasing clinical impact of MR/PET**

- **Chairman’s introduction**
  - L. Umutlu; Essen/DE
- **MR/PET in paediatric oncology?**
  - P.D. Humphries; London/UK
- **MR/PET in cardiac imaging?**
  - M. Dewey; Berlin/DE
- **MR/PET in head and neck imaging?**
  - M. Becker; Geneva/CH
- **MR/PET in musculoskeletal imaging?**
  - G. Andreisek; Münsterlingen/CH
- **Panel discussion: Are we ready to fully integrate MR/PET into clinical diagnostic work-up?**

### Saturday, March 4, 14:00–15:30, Studio 2017

**NH 15 Large cohorts: imaging biobanks**

- **Chairmen’s introduction**
  - M.H. Fuchsjäger; Graz/AT
  - M. Pasterk; Graz/AT
- **Why biobanks should include imaging data**
  - R.L. Vanninen; Kuopio/FI
- **Incidental findings in large cohorts**
  - (German national cohort)
  - S. Weckbach; Heidelberg/DE
- **Analysis of big imaging data (UK Biobank)**
  - A. Jackson; Manchester/UK
- **Panel discussion: What are the benefits of linking imaging and biobanks?**
STATE OF THE ART SYMPOSIA

These sessions will inform the audience about the ‘real state of the art’ of a given subject. Each of the lecturers is an expert on the given topic as a whole or on a specific aspect of the topic.

The 90-minute sessions are chaired by a moderator who will introduce three to four speakers addressing various issues within wider subjects such as anatomical regions, specific diseases, or particular techniques. The presentations will be followed by a discussion conducted by the panellists, led by the chairman.

Places are allocated on a first-come, first-served basis.
STATE OF THE ART SYMPOSIA

**Thursday, March 2, 08:30–10:00, Room C**

**SA 5 Lung cancer screening: past, present, future**

- Chairman's introduction
  L. Bonomo; Rome/IT
- What did we know: NLST and previous trials
  S. Diederich; Düsseldorf/DE
- What do we know: latest insights from European trials, modelling studies and current screening programmes
  M. Prokop; Nijmegen/NL
- What don't we know: opportunities for future research
  A. Devaraj; London/UK
- Panel discussion: How to implement lung cancer screening in Europe

**Thursday, March 2, 16:00–17:30, Room G**

**SA 8 Forensic and post-mortem imaging**

- Chairman's introduction
  P.A.M. Hofman; Maastricht/NL
- Introduction to post-mortem radiology
  T. Ruder; Zurich/CH
- Post-mortem imaging: a pathologist's perspective
  D. Ranson; Melbourne/AU
- Paediatric forensic and post-mortem radiology
  R.R. van Rijn; Amsterdam/NL
- Post-mortem CT and MRI: imaging techniques
  A. Persson; Linköping/SE
- Panel discussion: What should be the focus of future research?
- Chairman's closing remarks
  P.A.M. Hofman; Maastricht/NL

**Saturday, March 4, 16:00–17:30, Room C**

**SA 16 Detection and management of small renal masses**

- Chairman’s introduction
  H.C. Thoeny; Berne/CH
- Detection and characterisation of small renal masses
  N. Grenier; Bordeaux/FR
- Image-guided minimally invasive treatment
  M. Krokidis; Cambridge/UK
- Treatment monitoring with imaging
  G. Cardone; Milan/IT
- Panel discussion: What to do with small renal masses?
SPECIAL FOCUS SESSIONS

The concept of a Special Focus Session is to deal with a topic at the cutting edge of development and clinical application. A traditional approach is inappropriate for such a session, which should reflect the lecturers’ forthright personal views on a developing subject. The topics of these sessions should be presented in such a way as to promote debate and give an in-depth analysis.

The chairman will introduce each aspect of the topic and the panellists will then discuss their different perspectives and opinions. The audience will have the opportunity to discuss their ideas with the lecturers.

Session length: 90 minutes; three to four speakers.

Places are allocated on a first-come, first-served basis.
**March 1, Wednesday, March 1, 08:30–10:00, Room O**

**SF 1 Assessing age, based on bone maturation: scientific and ethical aspects**

» Chairman’s introduction
K. Rosendahl; Bergen/NO

» Bone age assessment: indications and methods
F. Dedouit; Lausanne/CH

» Precision and accuracy of an automated radiographic method
H.H. Thodberg; Holte/DK

» Precision and accuracy of MRI
S. Diaz; Stockholm/SE

» Ethical and legal aspects of using bone age to determine age
K. Chaumoitre; Marseille/FR

» Panel discussion: Should bone age be used to estimate chronological age - alone or in combination with additional methods?

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**March 1, Wednesday, March 1, 16:00–17:30, Room F2**

**SF 4a Image-guided interventions in oncology: the pieces of the jigsaw**

» Chairman’s introduction
J.I. Bilbao; Pamplona/ES

» How molecular imaging and image fusion are shaping oncology
E. de Kerviler; Paris/FR

» Registries, trials and the evidence base
P.L. Pereira; Heilbronn/DE

» Clinical practice: why it matters and how to do it
A. Adam; London/UK

» Quality assurance: an essential development
L.M. Kenny; Brisbane, QLD/AU

» Panel discussion: What will be the future of image-guided interventions in oncology?

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**March 2, Thursday, March 2, 08:30–10:00, Room E2**

**SF 5a Stroke, beyond the usual suspects**

» Chairman’s introduction
O. Jansen; Kiel/DE

» Understanding watershed infarcts
P. Mordasini; Berne/CH

» Reversible cerebral vasoconstriction syndrome
J. Linn; Munich/DE

» Thrombosis of cerebral veins and dural sinuses
V. Costalat; Montpellier/FR

» Panel discussion: Rational imaging in patients with acute stroke symptoms

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**March 2, Thursday, March 2, 16:00–17:30, Room B**

**SF 8 The postoperative abdomen: lost in translation?**

» Chairman’s introduction: Presentation of a challenging case
Y. Menu; Paris/FR

» Inflammatory complications (peritonitis, abscess)
Z. Tarján; Budapest/HU

» Vascular complications (bleeding, thrombosis, ischemia)
R. Nolz; Vienna/AT

» Post-operative obstruction
A. Paikdo; Szeged/HU

» Complications of weight-loss surgery
M. Rengo; Latina/IT

» Panel discussion: Where can we go wrong and how can we avoid it?
3 March  
Friday, March 3, 08:30–10:00, Room F2  
SF 9  
The revival of lymphangiography  
LEVEL II  
» Chairman’s introduction  
B.A. Radeleff; Heidelberg/DE  
» “Theranostic” lymphangiography  
E. Santos Martín; New York, NY/US  
» MR lymphangiography  
L. Arrivé; Paris/FR  
» Thoracic duct embolisation  
H.H. Schild; Bonn/DE  
» Panel discussion: Lymphangiography, are you convinced?

3 March  
Friday, March 3, 16:00–17:30, Room N  
SF 12a  
My most scary head and neck mistakes  
LEVEL II  
» Chairman’s introduction: Misses, misinterpretations and mistakes  
A. Borges; Lisbon/PT  
» What I missed and why  
M.G. Mack; Munich/DE  
» What I misinterpreted and why  
L. Ginsberg; Houston, TX/US  
» How to deal with mistakes: the report, the radiologist and the department  
S.J. Golding; Oxford/UK  
» Panel discussion: Mistakes - can they be avoided and how?

3 March  
Friday, March 3, 16:00–17:30, Room E1  
SF 12b  
Challenges in the diagnosis of acute appendicitis  
LEVEL II  
» Chairman’s introduction  
J. Stoker; Amsterdam/NL  
» Acute appendicitis during pregnancy: high-end ultrasonography, ultra-low dose CT or unenhanced MRI?  
P.-A. Poletti; Geneva/CH  
» Imaging algorithms for acute appendicitis in difficult patients (obese, elderly, other)  
J.B.C.M. Puylaert; The Hague/NL  
» What is the cost-effectiveness of different imaging modalities in acute appendicitis?  
M. Zins; Paris/FR  
» Evidence-based treatment of acute appendicitis: conservative vs surgical management?  
M.A. Boermeester; Amsterdam/NL  
» Panel discussion: Optimised imaging algorithms in the diagnosis of acute appendicitis

3 March  
Friday, March 3, 16:00–17:30, Room M 4  
SF 12c  
Gadolinium contrast agents: a Yin and Yang story  
LEVEL II  
» Chairman’s introduction  
B. Hamm; Berlin/DE  
» Latest preclinical data on gadolinium deposition  
H.A. Rowley; Madison, WI/US  
» Current clinical situation based on published data  
V. Runge; Berne/CH  
» What is the position of the regulatory authorities?  
O. Clément; Paris/FR  
» Panel discussion: After all that, what are you doing?

4 March  
Saturday, March 4, 08:30–10:00, Room C  
SF 13a  
Cases I’ll never forget in chest imaging  
LEVEL II  
» Chairman’s introduction  
A.P. Parkar; Bergen/NO  
» Nodules (0.4-2 cm)  
N.N.  
» Masses and consolidation (> 2 cm)  
C.P. Heussel; Heidelberg/DE  
» Ground glass opacity  
M.-P. Revel; Paris/FR  
» Reticular pattern  
S.R. Desai; London/UK  
» Cystic pattern  
E. Castera; Sabadell/ES  
» Vascular abnormalities  
M. Das; Maastricht/NL  
» Pleural disease  
C. Beigelman; Lausanne/CH  
» Panel discussion: How to avoid common mistakes in the interpretation of chest imaging?

4 March  
Saturday, March 4, 08:30–10:00, Room O  
SF 13b  
Cardiac imaging in prevention and screening: who, when and how?  
LEVEL II  
» Chairman’s introduction  
T. Leiner; Utrecht/NL  
» Cardiac imaging in athletes: what is normal, what is abnormal?  
B.K. Velthuis; Utrecht/NL  
» Screening of individuals with cardiac risk factors: what to look for?  
M. Dewey; Berlin/DE  
» Evidence base and guidelines for screening genetic cardiac diseases  
J. Moon; London/UK  
» Panel discussion: Who, when and how to screen?
SPECIAL FOCUS SESSIONS

**March 4, Saturday, March 4, 14:00–15:30, Room B**

**SF 15a** My three top tips for abdominal imaging

- **Chairman's introduction**
  M. Zins; Paris/FR
- **Postoperative abdomen**
  D.J.M. Tolan; Leeds/UK
- **Appendicitis**
  J.B.C.M. Puylaert; The Hague/NL
- **Bile duct stones**
  J.A. Guthrie; Leeds/UK
- **Dilated pancreatic duct**
  R. Manfredi; Verona/IT
- **Liver biopsy**
  V. Vilgrain; Clichy/FR
- **Bowel ischemia**
  A. Filippone; Chieti/IT
- **Colon polyp**
  F. Iafrate; Rome/IT
- **Acute pancreatitis**
  W. Schima; Vienna/AT
- **Crohn's disease**
  J. Rimola; Barcelona/ES
- **Liver metastases follow-up**
  Y. Menu; Paris/FR

**March 4, Saturday, March 4, 16:00–17:30, Studio 2017**

**SF 16a** The male pelvis

- **Chairman's introduction**
  J.J. Fütterer; Nijmegen/NL
- **Update on prostate MR**
  O. Rouvière; Lyon/FR
- **Template biopsy vs TRUS/MR-fusion guided biopsy**
  T. Fischer; Berlin/DE
- **Imaging after focal prostate therapy**
  C. Allen; London/UK
- **Biopsy strategy**
  A. Briganti; Milan/IT
- **Panel discussion: Is there a role for MR imaging to steer the biopsy?**

**March 4, Saturday, March 4, 14:00–15:30, Room E1**

**SF 15b** Breast cancer screening with tomosynthesis: the time is now

- **Chairman's introduction**
  P. Skaane; Oslo/NO
- **Screening with digital breast tomosynthesis in the USA: performance indicators and breast density**
  E.A. Morris; New York, NY/US
- **Screening with digital breast tomosynthesis in Europe: tumour characteristics and potential harms including overdiagnosis**
  F.J. Gilbert; Cambridge/UK
- **Which challenges should we consider prior to tomosynthesis screening implementation?**
  G. Gennaro; Padua/IT
- **Panel discussion: Is tomosynthesis ready for replacing 2D mammography in organised breast cancer screening?**

**March 4, Saturday, March 4, 16:00–17:30, Room E2**

**SF 16b** Black and white spots in the brain

- **Chairman's introduction**
  H.R. Jäger; London/UK
- **White spots in the brain on T2 and FLAIR: what are they?**
  A. Rovira-Cañellas; Barcelona/ES
- **Black spots in the brain on SWI: differential diagnosis**
  M. Vernooij; Rotterdam/NL
- **Advanced MR imaging and quantification techniques: do they help?**
  S. Haller; Geneva/CH
- **Panel discussion: How to image, quantify and report black and white spots in the brain?**

**March 5, Sunday, March 5, 08:30–10:00, Room O**

**SF 17a** Paediatric parenchymal lung disease: what imaging technique to choose?

- **Chairman's introduction**
  H. Ducou le Pointe; Paris/FR
- **Chest x-ray**
  P. Tomà; Rome/IT
- **US**
  S.P. Deftereos; Alexandroupolis/GR
- **CT**
  P. Ciet; Rotterdam/NL
- **MRI**
  M.O. Wielpütz; Heidelberg/DE
- **Panel discussion: What imaging modality to choose and when?**
Sunday, March 5, 08:30–10:00, Room F1

SF 17b  Errors in emergency radiology

» Chairman’s introduction: Why do radiological errors occur?
  A. Brady; Cork/IE

» Imaging in multiple trauma
  U. Linsenmaier; Munich/DE

» Non-traumatic abdominal emergencies
  A. Pinto; Naples/IT

» How not to fail in emergency radiology
  P. McCoubrie; Bristol/UK

» Panel discussion: Errors in radiology, inevitable or preventable?

Sunday, March 5, 08:30–10:00, Room K

SF 17c  How do radiographers enhance paediatric imaging?

» Chairman’s introduction: The role of the radiographer when imaging a paediatric patient
  L.J.O.C. Lança; Lisbon/PT
  E. Sorantin; Graz/AT

» Informed consent: is this possible in paediatric imaging?
  J. Portelli; Msida/MT

» Dose reduction in paediatric imaging
  G. Paulo; Coimbra/PT

» Personality traits: a way of maximising cooperation during paediatric imaging
  S.J. MacKay; Liverpool/UK

» Panel discussion: Challenges and opportunities when imaging paediatric patients

This session is part of the EuroSafe Imaging campaign.
INTERNATIONAL DAY OF RADIOLOGY
NOVEMBER 8, 2016
BREAST IMAGING
Let's celebrate together!
WWW.IDOR2016.COM
The idea of these sessions is to communicate and exchange information on professional issues related to radiology, such as training and education, research networking, radiological management and professional developments.

90-minute sessions; introduction by one or two chairmen; three to four lecturers; panel discussion.

Places are allocated on a first-come, first-served basis.
PROFESSIONAL CHALLENGES

1 March
Wednesday, March 1, 08:30–10:00, Room E1
PC 1 Will emerging technology replace the radiologist?

- Chairman’s introduction
  L. Donoso; Barcelona/ES
- Computer-aided and computer-determined diagnosis
  K.J. Dreyer; Boston, MA/US
- Liquid biopsy: a new kid on the block
  M. Ignatiadis; Brussels/BE
- Novelties in molecular imaging
  K. Riklund; Umeå/SE
- Deep learning and biomarkers: the engineer’s view
  A. Alberich-Bayarri; Valencia/ES
- Panel discussion: Should we start to worry?

1 March
Wednesday, March 1, 14:00–15:30, Room M 1
PC 3 Excellence and innovation in undergraduate teaching of radiology

- Chairman’s introduction
  V. Válek; Brno/CZ
- How to keep students engaged
  C. Nyhsen; Sunderland/UK
- Excellence in undergraduate teaching
  B. Ertl-Wagner; Munich/DE
- Teaching with technology: a challenging experience
  P. Pokieser; Vienna/AT
- Evidence-based radiology for diagnostic imaging: do we need to teach the undergraduates?
  R. Iezzi; Rome/IT
- Panel discussion: How do new approaches contribute to excellence in undergraduate teaching?

2 March
Thursday, March 2, 16:00–17:30, Room O
PC 8 How to make best use of cardiac imaging in a radiology department

- Chairman’s introduction
  G.i. Kirova-Nedialkova; Sofia/BG
- Starting a cardiac imaging programme
  G.A. Krombach; Giessen/DE
- Cost-effectiveness of cardiac imaging
  M.G.M. Hunink; Rotterdam/NL
- Training cardiac imaging in the radiology department
  F. Pugliese; London/UK
- Panel discussion: Are we ready to integrate cardiac imaging in routine radiology workload?

3 March
Friday, March 3, 08:30–10:00, Studio 2017
PC 9 Implementing and evaluating clinical decision support (CDS) for imaging referral guidelines

- Chairman’s introduction
  L. Oleaga Zufiría; Barcelona/ES
- The role of basic and advanced CDS in value-centred radiology
  H.-U. Kauczor; Heidelberg/DE
- Evaluating CDS implementation and measuring outcomes
  M.G.M. Hunink; Rotterdam/NL
- Using CDS: referring physicians’ perspective: GPs
  J.F.M. Metsemakers; Maastricht/NL
- CDS implementation in the classroom: ESR eGuide
  L. Donoso; Barcelona/ES
- Panel discussion: Introducing CDS for medical imaging referrals: what to do and how to measure

4 March
Saturday, March 4, 08:30–10:00, Room K
PC 13 Radiography and radiology: more than the sum of their parts

- Chairman’s introduction
  P. Bezzina; Msida/MT
  P.C. Maly Sundgren; Lund/SE
- Opportunities and challenges facing radiography and radiology
  G. Paulo; Coimbra/PT
- Patient safety culture: a combined responsibility
  S.J. Foley; Dublin/IE
- Skills and competences in care and compassion
  A. England; Salford/UK
- Panel discussion: A winning team: radiographers and radiologists?
PROFESSIONAL CHALLENGES:

**PC 15a  Radiology at the core of interdisciplinary communication**

- Chairman's introduction
  E.J. Adam; London/UK
- Sharing information within the hospital
  D. Regge; Turin/IT
- Sharing information beyond the hospital
  W.R. Jaschke; Innsbruck/AT
- Sharing information with the patient
  E. Briers; Hasselt/BE
- Panel discussion: Conveying information clearly. Do we still need to ‘speak’ to each other?

**PC 15b  A team approach towards ensuring patient safety and care**

- Chairman’s introduction: A team approach - why is this necessary?
  J. McNulty; Dublin/IE
  T. Owman; Lund/SE
- A team-based approach to delivering safe practice
  J. Damilakis; Iraklion/GR
- The radiographer and radiologist: joint responsibility for reporting
  S. Rowe; London/UK
- A team approach in interventional procedures
  C. McLaren; London/UK
- Panel discussion: Can a team-based approach ensure patient safety?

**PC 16  Ensuring the future role of radiologists**

- Chairman’s introduction
  J. Van Goethem; Antwerp/BE
- SWOT analysis of the radiologic profession
  J.-Y. Meuwly; Lausanne/CH
- Turf battles: how to respond to the challenges
  C. Loewe; Vienna/AT
- Always on the forefront: ensuring the future of radiology
  G.P. Krestin; Rotterdam/NL
- Panel discussion: The real challenge for radiologists is “how to change ourselves”
PLANNING A EUROPEAN RESEARCH PROJECT?
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• Project coordination & management
• EU reporting
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• Clinical trial support

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MULTIDISCIPLINARY SESSIONS

The concept of these sessions is to promote a multidisciplinary approach to detection and treatment, integrating radiologists and other clinicians to share their expertise.

Places are allocated on a first-come, first-served basis.
**MULTIDISCIPLINARY SESSIONS**

**Wednesday, March 1, 16:00–17:30, Room E2**

**MS 4 Neuroimaging and mental health disorders**

- **Chairman's introduction**
  T.A. Yousry; London/UK

- **Unpicking obsessive compulsive disorder (OCD) networks with neuroimaging**
  E. Joyce; London/UK

- **Bridging movement and mind: neuroimaging in Tourette-Syndrome**
  T. Foltynie; London/UK

- **Precision neurosurgical targeting in Tourette’s and obsessive compulsive disorder (OCD): critical role of neuroimaging**
  L. Zrinzo; London/UK

- **Multidisciplinary case presentation and discussion**

**Friday, March 3, 08:30–10:00, Room D**

**MS 9 Primary bone tumours**

- **Chairman's introduction**
  A.M. Davies; Birmingham/UK

- **Fundamental imaging**
  S.L.J. James; Birmingham/UK

- **Why I need the radiologist: the pathologist’s perspective**
  L.-G. Kindblom; Gothenburg/SE

- **The surgeon’s perspective**
  L. Jeys; Birmingham/UK

- **Multidisciplinary case presentation and discussion**

**Friday, March 3, 16:00–17:30, Room G**

**MS 12 Transcatheter aortic valve implantation (TAVI)**

- **Chairman’s introduction: A brief history of TAVI**
  A. Cribier; Rouen/FR

- **The TAVI procedure**
  H. Eltchaninoff; Rouen/FR

- **The cardiac surgeon’s perspective**
  P.-Y. Litzler; Rouen/FR

- **Preinterventional assessment by CT**
  J.-N. Dacher; Rouen/FR

- **Why use dual energy CT in TAVI patients?**
  B. Dubourg; Rouen/FR

- **Common and uncommon complications seen by CT**
  J. Caudron; Rouen/FR

- **Multidisciplinary case presentation and discussion**

**Saturday, March 4, 16:00–17:30, Room E1**

**MS 16 Virtual autopsy imaging in children: the role of pathologist vs radiologist, one big happy family?**

- **Chairman’s introduction**
  C. Owens; London/UK

- **Minimally invasive autopsy: setting the scene - why, how and by whom?**
  N.J. Sebire; London/UK

- **State-of-the-art post mortem imaging: the way it works and how we do it**
  O.J. Arthurs; London/UK

- **Latest advances: the new kid on the block micro CT - when and how?**
  J.C. Hutchinson; London/UK

- **Multidisciplinary case presentation and discussion**
The E³ programme emphasises the importance of lifelong learning.

It covers the entire range of educational issues, from undergraduate medical education to subspecialised continuing professional development.

For the third time at ECR 2017, the E³ programme is structured according to the different levels defined by the European Training Curriculum for Radiology.

The E³ programme consists of the following five branches, which reflect the different levels of education in radiology, as well as the different stages of an individual’s professional career:

- Rising Stars Programme
- European Diploma Prep Sessions
- The Beauty of Basic Knowledge
- ECR Academies
- ECR Master Classes
The European Society of Radiology offers you the chance to attend its annual meeting for free ...

Apply for the ESR’s Invest in the Youth programme and you could experience Europe’s biggest medical imaging meeting free of charge.

The ESR will fund 1,000 places at ECR 2017, once again giving young radiologists, physicists and radiographers from all over the world the chance to participate in the meeting.

Successful applicants for the Invest in the Youth programme will be offered free registration for ECR 2017 and free hotel accommodation.

Application is possible from July 4 to October 15, 2016

myESR.org
E³ RISING STARS
PROGRAMME

The Rising Stars Programme is designed especially for residents, students, radiographers and trainee radiographers.

It consists of Basic Sessions, Student Sessions, Joint Sessions with ESOR (European School of Radiology), Case-Based Diagnosis Training sessions, EFRS Radiographers’ Basic Session and the Radiology Trainees Forum Programme including the RTF Highlighted Lectures and the RTF Quiz.
**E³ – RISING STARS PROGRAMME**

### BASIC SESSIONS

Special sessions suitable for residents, students, radiographers and radiographers-in-training

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JOINT SESSIONS
OF THE ESR AND ESOR
(European School of Radiology)

2 March
Thursday, March 2, 16:00–17:30, Room F1
Joint Session of the ESR and ESOR 1
Radiologic anatomy: abdomen
Moderator: S. Gourtsoyianni; London/UK
  » Liver
    G. Brancatelli; Palermo/IT
  » Biliary tree
    O. Benjaminov; Petach Tikva/IL
  » Pancreas
    M. Dioguardi Burgio; Clichy/FR

3 March
Friday, March 3, 08:30–10:00, Room F1
Joint Session of the ESR and ESOR 2
Radiologic anatomy: lower extremities
Moderator: U. Aydingoz; Ankara/TR
  » Hip
    A.H. Karantanas; Iraklion/GR
  » Knee
    M. Klontzas; London/UK
  » Ankle
    M. Maas; Amsterdam/NL

3 March
Friday, March 3, 16:00–17:30, Room F1
Joint Session of the ESR and ESOR 3
Radiologic anatomy: neuro
Moderator: M.A. Lucic; Sremska Kamenica/RS
  » Cortical anatomy and primary functional areas
    T.A. Yousry; London/UK
  » Vascular distribution territories: arterial and venous
    A. Dörfler; Erlangen/DE
  » The basal ganglia of the brain revisited
    N.N.

STUDENT SESSIONS
Students will present their work

2 March
Thursday, March 2, 14:00–15:30, Room X
Student Session 1

3 March
Friday, March 3, 10:30–12:00, Room X
Student Session 2

4 March
Saturday, March 4, 08:30–10:00, Room X
Student Session 3

4 March
Saturday, March 4, 14:00–15:30, Room X
Student Session 4

5 March
Sunday, March 5, 08:30–10:00, Room X
Final Student Session 5
E3 – RISING STARS PROGRAMME

EFRS RADIOGRAPHERS’ BASIC SESSION
(European Federation of Radiographer Societies)

4 March Saturday, March 4, 08:30–10:00, Room L8
The professional roles of the radiographer

> Introduction
  H.H. Hjemly; Oslo/NO
  D. Katsifarakis; Athens/GR

> Becoming a clinical radiographer: role, role development and specialisation
  N.H. Woznitza; London/UK

> Becoming a clinical manager
  E. Kelly; Galway/IE

> Becoming an academic and/or researcher
  S.J. MacKay; Liverpool/UK

> Working in industry
  J. Tijhaar; Zoetermeer/NL

> Discussion, questions and conclusion

CASE-BASED DIAGNOSIS TRAINING
Special programme for residents and general radiologists

5 March Sunday, March 5, 13:00–14:00, Room E1
CBDT I  Case-Based Diagnosis Training - Part I

Moderators: K.M. Friedrich; Vienna/AT
           S. Robinson; Vienna/AT

> Liver
  L. Martí-Bonmatí; Valencia/ES

> Neuro
  D. Prayer; Vienna/AT

> Maxillofacial
  S. Robinson; Vienna/AT

> Musculoskeletal
  F. Kainberger; Vienna/AT

> Genitourinary
  M. Toepker; Vienna/AT

5 March Sunday, March 5, 14:30–15:30, Room E1
CBDT II  Case-Based Diagnosis Training - Part II

E3 – RISING STARS PROGRAMME

RADIOLOGY TRAINEES FORUM PROGRAMME

2 March Thursday, March 2, 12:30–13:30, Room B
RTF Quiz

Moderators: J. Cáceres; Barcelona/ES
            J. Vilar; Valencia/ES

4 March Saturday, March 4, 10:30–12:00, Room O
TF  Highlighted Lectures

Moderators: A. Svare; Riga/LV
           L. Andrade; Coimbra/PT

> Ovarian cancer staging: where and what to look for?
  M.M. Otero-García; Santiago de Compostela/ES

> Update in breast ultrasound
  B. Brkić; Zagreb/HR

> Multiparametric MRI evaluation in brain tumours
  A. Santa; Sibiu/RO

5 March Sunday, March 5, 14:00–14:30, Room O
Interlude: Musculoskeletal manifestations of systemic disease

5 March Sunday, March 5, 14:30–15:30, Room E1
CBDT II  Case-Based Diagnosis Training - Part II

Moderators: K.M. Friedrich; Vienna/AT
           S. Robinson; Vienna/AT

> Head and neck
  C. Czerny; Vienna/AT

> Chest
  H. Prosch; Vienna/AT

> Spine
  K.M. Friedrich; Vienna/AT

> Gastrointestinal
  W. Schima; Vienna/AT

> Breast
  M.H. Fuchs; Graz/AT

www.myESR.org
The European Diploma Prep Sessions aim to prepare prospective candidates for the European Diploma in Radiology (EDiR).

They are also suitable for residents who want an overview of the various topics relevant to imaging and for those preparing for their national board examinations.

The content of the programme reflects Level I and Level II European Training Curriculum (ETC) learning objectives across a two-year cycle. The sessions are held in close cooperation with the European Board of Radiology (EBR).

Each of the six sessions is led by three lecturers and moderated by one chairman.
E³ – EUROPEAN DIPLOMA PREP SESSIONS

4 March
Saturday, March 4, 08:30–10:00, Room F1

E³ 1323  Chest  
» Chairman’s introduction  
J. Vilar; Valencia/ES
A. Fundamentals of chest imaging  
D. Tack; Baudour/BE
B. Inflammation and tumours of the lung  
H. Prosch; Vienna/AT
C. Mediastinum, pleura and chest wall  
N. Howarth; Chêne-Bougeries/CH

5 March
Sunday, March 5, 10:30–12:00, Room F1

E³ 1823  Principles of imaging and radiation protection  
» Chairman’s introduction  
P. Vock; Spiegel/CH
A. Principles of computed tomography  
W.A. Kalender; Erlangen/DE
B. Principles of magnetic resonance imaging  
T. Metens; Brussels/BE
C. Radiation protection  
M. Mahesh; Baltimore, MD/US

4 March
Saturday, March 4, 10:30–12:00, Room F1

E³ 1423  Gastrointestinal and abdominal  
» Chairman’s introduction  
C. Stoupis; Männedorf/CH
A. Hepatobiliary system  
Y. Menu; Paris/FR
B. Pancreas and spleen  
W. Schima; Vienna/AT
C. Imaging of the gastrointestinal tract  
R.G.H. Beets-Tan; Amsterdam/NL

5 March
Sunday, March 5, 14:00–15:30, Room F1

E³ 1923  Neuro  
» Chairman’s introduction  
C. Manelfe; Toulouse/FR
A. Congenital and white matter disorders of the brain  
A. Rossi; Genoa/IT
B. Neurovascular disorders and trauma of the brain  
M. Forsting; Essen/DE
C. Tumours of the brain and spine  
M.M. Thurnher; Vienna/AT

4 March
Saturday, March 4, 14:00–15:30, Room F1

E³ 1523  Musculoskeletal  
» Chairman’s introduction  
F.M.H.M. Vanhoenacker; Antwerp/BE
A. Traumatic disorders of the musculoskeletal system  
M. Maas; Amsterdam/NL
B. Bone tumours  
S.L.J. James; Birmingham/UK
C. Degenerative and inflammatory disorders of the musculoskeletal system  
N.N.

4 March
Saturday, March 4, 16:00–17:30, Room F1

E³ 1623  Breast  
» Chairman’s introduction  
F. Pediconi; Rome/IT
A. Fundamentals of mammography  
S. Barter; Cambridge/UK
B. Breast cancer diagnosis and interventions  
M. Müller-Schimpfle; Frankfurt a. Main/DE
C. Advanced imaging of the female breast  
R.M. Mann; Nijmegen/NL
E³ THE BEAUTY OF BASIC KNOWLEDGE

The Beauty of Basic Knowledge programmes focus on knowledge essential to the daily practice of radiology. The format of these sessions reflects the tradition of conventional teaching sessions, in which experienced teachers share their insights into a topic of particular relevance with a group of attendees.

A Beauty of Basic Knowledge session either consists of 45-minute lectures held by one or two speakers (plus 10–15 minutes of discussion per lecture), or two 25-minute lectures and a general discussion. The teaching format is usually case-based, and features some interaction with the attendees.

The content of the sessions is mostly tied to the Level I European Training Curriculum (ETC) learning objectives. The Beauty of Basic Knowledge sessions are suited to residents and board-certified radiologists who want to refresh their knowledge of basic topics in imaging and image-guided therapy.
## A SURVIVAL GUIDE TO MUSCULOSKELETAL IMAGING

### E3 – THE BEAUTY OF BASIC KNOWLEDGE

**Moderator:** V.N. Cassar-Pullicino; Oswestry/UK

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<tr>
<th>Date</th>
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<th>Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>1 March</td>
<td>Wednesday</td>
<td>12:30–13:30</td>
<td>D</td>
<td>E3 24A Degenerative disorders</td>
<td>A. Cotten; Lille/FR</td>
</tr>
<tr>
<td>2 March</td>
<td>Thursday</td>
<td>12:30–13:30</td>
<td>D</td>
<td>E3 24B Infective/inflammatory disorders</td>
<td>F.M.H.M. Vanhoenacker; Antwerp/BE</td>
</tr>
<tr>
<td>3 March</td>
<td>Friday</td>
<td>12:30–13:30</td>
<td>D</td>
<td>E3 24C Bone tumours</td>
<td>K. Wörtler; Munich/DE</td>
</tr>
<tr>
<td>4 March</td>
<td>Saturday</td>
<td>12:30–13:30</td>
<td>D</td>
<td>E3 24D Acute trauma: patterns in the peripheral skeleton</td>
<td>J. Teh; Oxford/UK</td>
</tr>
<tr>
<td>5 March</td>
<td>Sunday</td>
<td>12:30–13:30</td>
<td>D</td>
<td>E3 24E Chronic trauma: spectrum of bone response</td>
<td>A.H. Karantanas; Iraklion/GR</td>
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### CHEST IMAGING

**Moderator:** N. Howarth; Chêne-Bougeries/CH

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<tr>
<th>Date</th>
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<th>Title</th>
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<tbody>
<tr>
<td>1 March</td>
<td>Wednesday</td>
<td>12:30–13:30</td>
<td>C</td>
<td>E3 25A Useful signs in chest radiology</td>
<td>A. Lung parenchyma G.R. Ferretti; Grenoble/FR B. Mediastinum and chest wall N. Howarth; Chêne-Bougeries/CH</td>
</tr>
<tr>
<td>2 March</td>
<td>Thursday</td>
<td>12:30–13:30</td>
<td>C</td>
<td>E3 25B How to avoid misdiagnosis on the chest x-ray</td>
<td>A. Neoplastic lesions J. Vlahos; London/UK B. Non-neoplastic lesions A.R. Larici; Rome/IT</td>
</tr>
<tr>
<td>3 March</td>
<td>Friday</td>
<td>12:30–13:30</td>
<td>C</td>
<td>E3 25C Reporting interstitial lung disease made easy</td>
<td>A. Five golden rules S.R. Desai; London/UK B. What to say when the diagnosis is not obvious N. Sverzellati; Parma/IT</td>
</tr>
<tr>
<td>4 March</td>
<td>Saturday</td>
<td>12:30–13:30</td>
<td>C</td>
<td>E3 25D The most important measurements you need to know in chest radiology</td>
<td>A. Heart and great vessels: how, why, when? G. Fassa-Ashrafpoor; Chêne-Bougeries/CH B. Lung nodules: is volume better than size? M. Prokop; Nijmegen/NL</td>
</tr>
<tr>
<td>5 March</td>
<td>Sunday</td>
<td>12:30–13:30</td>
<td>C</td>
<td>E3 25E Still tricky after all these years</td>
<td>A. The hila B. Ghaye; Brussels/BE B. The mediastinum M. Occhipinti; Rome/IT</td>
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</tbody>
</table>
The ECR Academies consist of a series of four to six sessions relevant to a particular area of radiology. This may be a classic organ-based field or a technically oriented area of another field related to radiology, such as management. Each ECR Academy spans several days, in which the different facets of the area in question are covered by experts in the field. An ECR Academy is a coherent course in which the different sessions complement one another in order to reflect the entirety of the field.

The ECR Academies are particularly suited to general radiologists or radiologists with a subspecialisation.
E³ – ECR ACADEMIES

TIPS AND TRICKS IN LIVER, BILE DUCTS AND PANCREAS IMAGING

1 March
Wednesday, March 1, 08:30–10:00, Room M 4
E³ 118  Liver, bile ducts and pancreas: improving your technique with advanced tools

» Chairman’s introduction
Y. Menu; Paris/FR
A. Liver specific contrast: how, why, when?
E. Neri; Pisa/IT
B. Diffusion-weighted imaging (DWI): how, why, when?
D.-M. Koh; Sutton/UK
C. Advances in hybrid imaging: new tracers and MR/PET
E.J. Rummeny; Munich/DE

LEVEL I

1 March
Wednesday, March 1, 10:30–12:00, Room M 4
E³ 218  Benign liver tumours: daily questions

» Chairman’s introduction
S.M. Ertürk; Istanbul/TR
A. Cystic lesions: always biliary cysts?
O. Benjaminov; Petach Tikva/IL
B. Solid benign lesions: how to solve the conundrum?
F. Caseiro-Alves; Coimbra/PT
C. From images to strategy: tough cases of benign liver tumours
M. Nadrijanski; Belgrade/RS

LEVEL I

1 March
Wednesday, March 1, 14:00–15:30, Room M 4
E³ 318  Chronic liver disease: guidelines for the radiologist

» Chairman’s introduction
B.J. Op de Beeck; Antwerp/BE
A. Measuring fat and iron with MRI: how accurate?
M.M. França; Porto/PT
B. Can we reliably identify/quantify liver fibrosis and cirrhosis
V. Vilgrain; Clichy/FR
C. The small liver nodule and chronic liver disease
G. Brancatelli; Palermo/IT

LEVEL I

2 March
Thursday, March 2, 08:30–10:00, Room M 4
E³ 418  Bile ducts imaging: not so simple

» Chairman’s introduction
S.A. Jackson; Plymouth/UK
A. Cholangiocarcinoma
S.Y. Kim; Seoul/KR
B. Chronic cholangitis
M. Ronot; Clichy/FR
C. Tough clinical cases
E.M. Merkle; Basle/CH

LEVEL I

2 March
Thursday, March 2, 10:30–12:00, Room M 4
E³ 518  New challenges of pancreatitis

» Chairman’s introduction
M.A. Bali; Sutton/UK
A. Understanding the Atlanta 2012 classification of acute pancreatitis
W. Schima; Vienna/AT
B. Autoimmune pancreatitis and its relatives
G. Morana; Treviso/IT
C. Tough clinical cases of cystic pancreatic lesions
M. Karcaaltincaba; Ankara/TR

LEVEL I

= Interactive session with electronic voting/self assessment
### E3 – ECR ACADEMIES

#### SPINAL IMAGING

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<tr>
<th>2 March</th>
<th>Thursday, March 2, 14:00–15:30, Room M 4</th>
<th>E3 719</th>
<th>Spine: osseous lesions</th>
<th>LEVEL 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>» Chairman’s introduction</td>
<td>F.M.H.M. Vanhoenacker; Antwerp/BE</td>
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<tr>
<td>A. Primary bone tumours</td>
<td>J.L. Bloem; Leiden/NL</td>
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<tr>
<td>B. Early diagnosis of spondyloarthropathies</td>
<td>J.A. Narváez; Barcelona/ES</td>
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<tr>
<td>C. Diffuse bone marrow disorders: myeloma and metastases</td>
<td>A. Baur-Melnyk; Munich/DE</td>
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<tr>
<th>2 March</th>
<th>Thursday, March 2, 16:00–17:30, Room M 4</th>
<th>E3 819</th>
<th>Spinal trauma</th>
<th>LEVEL 2</th>
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<tbody>
<tr>
<td>Chairman’s introduction</td>
<td>L. Manfrè; Catania/IT</td>
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<tr>
<td>A. Looking for fractures</td>
<td>E.J. Ulbrich; Zurich/CH</td>
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<tr>
<td>B. Looking for spinal cord and soft tissue injuries</td>
<td>F. Bonneville; Toulouse/FR</td>
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<tr>
<td>C. Looking for spinal injuries in children</td>
<td>P.C. Maly Sundgren; Lund/SE</td>
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<tr>
<th>3 March</th>
<th>Friday, March 3, 08:30–10:00, Room M 4</th>
<th>E3 919</th>
<th>Degenerative cervical spine</th>
<th>LEVEL 2</th>
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<tbody>
<tr>
<td>» Chairman’s introduction</td>
<td>V.N. Cassar-Pullicino; Oswestry/UK</td>
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<tr>
<td>A. Normal aging process</td>
<td>C.W.A. Pfirrmann; Zurich/CH</td>
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<tr>
<td>C. Spinal stenosis: what is it?</td>
<td>M. Muto; Naples/IT</td>
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<tr>
<th>3 March</th>
<th>Friday, March 3, 10:30–12:00, Room M 4</th>
<th>E3 1019</th>
<th>Spinal cord abnormalities</th>
<th>LEVEL 2</th>
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<tbody>
<tr>
<td>» Chairman’s introduction</td>
<td>S. Gaudino; Rome/IT</td>
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<tr>
<td>A. MR imaging of the spinal cord: how to do it?</td>
<td>J. Van Goethem; Antwerp/BE</td>
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<td>B. Differentiating intradural mass lesions</td>
<td>G. Lycklama à Nijeholt; The Hague/NL</td>
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<td>C. Pattern recognition of non-tumoural spinal cord lesions</td>
<td>M.M. Thurnher; Vienna/AT</td>
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#### MULTIPARAMETRIC ULTRASOUND – MPUS

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<th>4 March</th>
<th>Saturday, March 4, 08:30–10:00, Room M 4</th>
<th>E3 1320</th>
<th>Multiparametric US in paediatric radiology</th>
<th>LEVEL 2</th>
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<tbody>
<tr>
<td>» Chairman’s introduction</td>
<td>K. Rosendahl; Bergen/NO</td>
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<tr>
<td>A. Contrast-enhanced US (CEUS) in paediatric trauma</td>
<td>M. Riccabona; Graz/AT</td>
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<tr>
<td>B. CEUS in paediatrics: liver, kidney and beyond</td>
<td>M. Claudon; Vandoeuvre-les-Nancy/FR</td>
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<tr>
<td>C. Multiparametric US of the paediatric chest: more than effusion</td>
<td>P. Tomà; Rome/IT</td>
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<tr>
<th>4 March</th>
<th>Saturday, March 4, 10:30–12:00, Room M 4</th>
<th>E3 1420</th>
<th>Multiparametric US of small parts</th>
<th>LEVEL 2</th>
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<tr>
<td>» Chairman’s introduction</td>
<td>N.N.</td>
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<tr>
<td>A. Thyroid</td>
<td>S.S. Özbek; Izmir/TR</td>
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<td>B. Lymph nodes</td>
<td>P.-Y. Marcy; Ollioules/FR</td>
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<tr>
<td>C. Scrotum</td>
<td>M. Bertolotto; Trieste/IT</td>
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<tr>
<th>4 March</th>
<th>Saturday, March 4, 14:00–15:30, Room M 4</th>
<th>E3 1520</th>
<th>Vascular multiparametric US</th>
<th>LEVEL 2</th>
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<tbody>
<tr>
<td>» Chairman’s introduction</td>
<td>P.S. Sidhu; London/UK</td>
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<tr>
<td>A. Abdominal vascular emergencies: ruptures and occlusions</td>
<td>D.A. Clevert; Munich/DE</td>
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<td>B. Upper and lower extremity arterial emergencies</td>
<td>B. Brkljačić; Zagreb/HR</td>
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<td>C. Deep venous thrombosis and chronic venous insufficiency of the lower extremity</td>
<td>G. O’Sullivan; Galway/IE</td>
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<tr>
<th>4 March</th>
<th>Saturday, March 4, 16:00–17:30, Room M 4</th>
<th>E3 1620</th>
<th>Multiparametric US in musculoskeletal applications</th>
<th>LEVEL 2</th>
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<tr>
<td>» Chairman’s introduction</td>
<td>N.N.</td>
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<tr>
<td>A. Sports-related lower extremity injuries</td>
<td>M. Bachmann Nielsen; Copenhagen/DK</td>
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<td>B. Entrapment neuropathies of the lower extremity nerves</td>
<td>H. Gruber; Innsbruck/AT</td>
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<td>C. Inflammatory joint disease</td>
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= Interactive session with electronic voting/self assessment
E³ – ECR ACADEMIES

INTERACTIVE TEACHING SESSIONS FOR YOUNG (AND NOT SO YOUNG) RADIOLOGISTS

1 March
Wednesday, March 1, 08:30–10:00, Room A
E³ 121 Emergency radiology I

A. Brain trauma
M. Smits; Rotterdam/NL

B. Peripheral vascular injury
J. Ferda; Plzen/CZ

1 March
Wednesday, March 1, 10:30–12:00, Room A
E³ 221 MR imaging in sports medicine I

A. Muscle injury in sports
M.G. Mack; Munich/DE

B. Knee trauma
M.O. De Maeseneer; Brussels/BE

2 March
Thursday, March 2, 08:30–10:00, Room A
E³ 521 Integrating diagnostic tools in breast imaging

A. Multimodality breast imaging
K. Kinkel; Chêne-Bougeries/CH

B. Multiparametric breast MRI
J. Camps Herrero; Valencia/ES

2 March
Thursday, March 2, 10:30–12:00, Room A
E³ 621 Emergency radiology II

A. Abdominal vascular emergencies
A. Palkó; Szeged/HU

B. Chest trauma
J. Biederer; Heidelberg/DE

2 March
Thursday, March 2, 14:00–15:30, Room A
E³ 721 MR imaging in sports medicine II

A. Sports injuries of the ankle
P. Robinson; Leeds/UK

B. Shoulder injury
M. Zanetti; Zurich/CH

3 March
Thursday, March 2, 16:00–17:30, Room A
E³ 821 Paediatric radiology for the general radiologist

A. Fractures in children
K.J. Johnson; Birmingham/UK

B. MRI-typical paediatric applications in musculoskeletal imaging
A.M.J.B. Smets; Amsterdam/NL

3 March
Friday, March 3, 08:30–10:00, Room A
E³ 921 Use of staging and classification systems

A. RECIST 1.1 training
A. Graser; Munich/DE

B. Gastrointestinal-abdominal masses
A. Ba-Ssalamah; Vienna/AT

3 March
Friday, March 3, 16:00–17:30, Room A
E³ 1221 Basic breast imaging

A. Calcifications in mammography
C.S. Balleyguier; Villejuif/FR

B. Asymmetry and architectural distortion
L.J. Pina Insausti; Pamplona/ES

4 March
Saturday, March 4, 08:30–10:00, Room A
E³ 1321 Imaging of abdominal tumours

A. Liver tumours
A. Luciani; Créteil/FR

B. Pancreatic tumours
C. Matos; Lisbon/PT

4 March
Saturday, March 4, 10:30–12:00, Room A
E³ 1421 Genitourinary and gastrointestinal radiology

A. Prostate MRI using PI-RADS
H.C. Thoeny; Berne/CH

B. New aspects of renal tumours
N. Grenier; Bordeaux/FR

= Interactive session with electronic voting/self assessment
E3 – ECR ACADEMIES

NEURORADIOLOGY: FROM MORPHOLOGY TO FUNCTION

4 March
Saturday, March 4, 14:00–15:30, Room A
E3 1521 Imaging of the skull base

A. Non-tumoural pathology of the temporal bone
   O. Ozgen Mocan; Ankara/TR
B. Tumours of the skull base
   T. Beale; London/UK

4 March
Saturday, March 4, 16:00–17:30, Room A
E3 1621 Imaging of the chest

A. Fibrosing lung diseases
   F. Molinari; Lille/FR
B. Pleural disease
   C. Beigelman; Lausanne/CH

5 March
Sunday, March 5, 08:30–10:00, Room A
E3 1721 Brain tumours

A. Paediatric brain tumours
   M.I. Argyropoulou; Ioannina/GR
B. Adult brain tumours
   P.C. Maly Sundgren; Lund/SE

5 March
Sunday, March 5, 10:30–12:00, Room A
E3 1821 Dementia and movement disorders

A. MR contribution to diagnosis and differential diagnosis in dementia
   M. Sasiadek; Wroclaw/PL
B. Imaging in Parkinsonism and other extrapyramidal disorders
   T. Stotic-Opincal; Belgrade/RS

4 March
Saturday, March 4, 08:30–10:00, Room M 5
E3 1322 Cerebral blood flow quantification

» Chairman’s introduction
   T. van der Zijden; Edegem/BE
A. Functional imaging of cerebral perfusion
   A. Krainik; Grenoble/FR
B. Cerebral blood flow measurements with arterial spin-labelling
   X. Golay; London/UK
C. Cerebrovascular reserve imaging and the consequences of neurovascular uncoupling
   N.N.

4 March
Saturday, March 4, 10:30–12:00, Room M 5
E3 1422 Advanced imaging techniques in brain tumours

» Chairman’s introduction
   P.C. Maly Sundgren; Lund/SE
A. Clinical utility of perfusion imaging for differentiating brain tumours
   I.N. Pronin; Moscow/RU
B. Hybrid imaging with MRI/PET of brain tumours
   N.N.
C. Assessment of brain tumour perfusion and abnormal vascular structure using arterial spin-labelling
   N.N.

4 March
Saturday, March 4, 14:00–15:30, Room M 5
E3 1522 Functional MRI of the brain opens new horizons

» Chairman’s introduction
   T.A. Yousry; London/UK
A. No function without structure: challenges in diffusion MRI and fibre tractography for clinical research
   C. Tax; Cardiff/UK
B. Clinical utility of fmRI for preoperative brain mapping
   H. Urbach; Freiburg/DE
C. Introduction to resting state fmRI and functional connectomics
   P. Matthews; London/UK

4 March
Saturday, March 4, 16:00–17:30, Room M 5
E3 1622 Functional imaging of the spine

» Chairman’s introduction
   D. Balériaux; Brussels/BE
A. Measuring CSF flow: technique and clinical usefulness
   B. Erfl-Wagner; Munich/DE
B. Diffusion tensor imaging of the spinal cord in the assessment of intramedullary changes
   M. Sasiadek; Wroclaw/PL
C. Dynamic MR lumbar evaluation in degenerative spine disease
   M. Muto; Naples/IT

= Interactive session with electronic voting/self assessment
The ECR Master Classes focus on continuous professional development and lifelong learning. The classes are designed for subspecialised radiologists seeking cutting-edge information in their particular fields of interest. They are held by experts in the field and reflect state-of-the-art knowledge, as well as emerging trends.

ECR Master Classes are offered in cooperation with each of the following subspecialty societies: CIRSE (one on vascular and one on interventional radiology), ESCR, ESER, ESGAR, ESHNR, ESMOFIR, ESNR, ESOI, ESPR, ESSR, ESTI, ESUR, EUSOBI.
E3 – ECR MASTER CLASSES

1 March

Wednesday, March 1, 08:30–10:00, Room F2

Oncologic Imaging
E3 126a  Oncologic imaging in the age of precision medicine

Moderator: H. Hricak; New York, NY/US
A. Precision medicine: exposome
G. Frija; Paris/FR
B. Radiomics: the role of imaging in precision medicine
R. Kikinis; Boston, MA/US
C. Precision medicine and imaging-guided interventions
S.B. Solomon; New York, NY/US
» Panel discussion: Precision medicine in oncology: what can imaging provide?

Genitourinary
E3 126b  Functional MRI of the kidneys: ready for prime time?

Moderator: H.C. Thoeny; Berne/CH
A. Diffusion-weighted MRI
N. Grenier; Bordeaux/FR
B. Perfusion MRI
M. Claudon; Vandoeuvre-les-Nancy/FR
C. BOLD and ASL
A. Boss; Zurich/CH

Cardiac
E3 426  Assessment and lifelong follow-up of congenital heart disease

» Chairman’s introduction
L. Saba; Cagliari/IT
A. A primer: what do the most important anomalies look like?
O. Rompel; Erlangen/DE
B. CT for assessment and follow-up
J.-N. Dacher; Rouen/FR
C. MR imaging for assessment and follow-up
N. Schicchi; Ancona/IT
» Panel discussion: How to best assess congenital anomalies?

2 March

Thursday, March 2, 08:30–10:00, Room B

Abdominal and Gastrointestinal
E3 526a  The obesity epidemic: what is radiology’s role?

» Chairman’s introduction
E.M. Merkle; Basle/CH
A. The metabolic syndrome: what the radiologist needs to understand
A. de Roos; Leiden/NL
B. Imaging the obese patient presenting as an emergency: challenges and solutions
M. Rengo; Latina/IT
C. Evidence and recommendations for quantification of hepatic and visceral fat
C.B. Sirlin; San Diego, CA/US
D. Bariatric surgery: normal post-operative imaging appearances and spectrum of complications
A. Blachar; Tel Aviv/IL

Vascular
E3 526b  What’s new in arterial embolisation? Current and future trends

Moderator: D.K. Tsetis; Iraklion/GR
A. New beads and new drugs: new indications
S.N. Goldberg; Jerusalem/IL
B. Prostate arterial embolisation
H. Rio Tinto; Lisbon/PT
C. Haemorrhoid embolisation
T. Jargiello; Lublin/PL

3 March

Friday, March 3, 08:30–10:00, Room M 5

Emergency Radiology
E3 926  Multimodality imaging of the acute female pelvis

Moderator: R. Basilico; Chieti/IT
A. Ultrasound: making a more specific diagnosis
M. Weston; Leeds/UK
B. When can CT give a definite answer?
I. Millet; Montpellier/FR
C. Is MRI a game-changer?
G. Masselli; Rome/IT

4 March

Saturday, March 4, 08:30–10:00, Room M 3

Interventional Radiology
E3 1326  Image-guided liver interventions: update and level of evidence

Moderator: P.L. Pereira; Heilbronn/DE
A. Hepatocellular carcinoma (HCC)
L. Crocetti; Pisa/IT
B. Liver metastases of colorectal cancer (mCRC)
T.K. Helmberger; Munich/DE
C. Liver metastases of neuro-endocrine tumours (NET)
J. Kettenbach; St. Pölten/AT

Interactive session with electronic voting/self assessment
E³ – ECR MASTER CLASSES

4 March  
Saturday, March 4, 14:00–15:30, Room C

**Chest**

**E³ 1526a  Large airway disease**  LEVEL II

Moderator: M. Occhipinti; Rome/IT
A. Diseases of the trachea  
P.A. Grenier; Paris/FR
B. Tracheobronchial instability  
M.O. Wielpütz; Heidelberg/DE
C. Quantitative analysis and imaging biomarkers of chronic obstructive pulmonary disease (COPD)  
H. Gietema; Enschede/NL

4 March  
Saturday, March 4, 14:00–15:30, Room O

**Paediatric**

**E³ 1526b  Imaging in child abuse: an update**  LEVEL II

Moderator: G.M. Magnano; Genoa/IT
A. Skeletal fractures  
R.R. van Rijn; Amsterdam/NL
B. Abusive head trauma  
C. Adamsbaum; Le Kremlin-Bicêtre/FR
C. The medico-legal issues  
A.C. Offiah; Sheffield/UK

4 March  
Saturday, March 4, 14:00–15:30, Room D

**Musculoskeletal**

**E³ 1526c  MRI developments and techniques in musculoskeletal (MSK) radiology**  LEVEL II

Moderator: C.W.A. Pfirrmann; Zurich/CH
A. Whole-body MRI (WBMRI) and diffusion weighted imaging (DWI) in MSK: where is it (not) useful and how do I do it?  
F.E. Lecouvet; Brussels/BE
B. MR neurography: how to optimise and interpret your images  
G. Andreisek; Münsterlingen/CH
C. 3D-spin echo (3D-SE) and radial imaging: uses and limitations  
J. Fritz; Tübingen/DE

4 March  
Saturday, March 4, 16:00–17:30, Room M 3

**Molecular Imaging**

**E³ 1626  Molecular imaging in oncology**  LEVEL II

» Chairman’s introduction  
K. Nikolaou; Tübingen/DE
A. Imaging of hypoxia  
V.J. Goh; London/UK
B. Imaging of proliferation  
A. Kjaer; Copenhagen/DK
C. Imaging of metabolism  
C. Nanni; Bologna/IT
D. Biomarker imaging with MR  
M. Mayerhüfer; Vienna/AT
» Panel discussion: The pros and cons of molecular imaging in oncology

5 March  
Sunday, March 5, 08:30–10:00, Room N

**Head and Neck**

**E³ 1726a  Functional imaging in head and neck radiology: beyond morphology**  LEVEL II

Moderator: M.M. Lemmerling; Ghent/BE
A. Diffusion-weighted MRI: apparent diffusion coefficient (ADC) and beyond  
A.D. King; Hong Kong/HK
B. Perfusion imaging in head and neck: what is new?  
R. Maroldi; Brescia/IT
C. MR/PET: the way to go  
M. Becker; Geneva/CH

5 March  
Sunday, March 5, 08:30–10:00, Room E1

**Breast**

**E³ 1726b  Taking clinical breast MRI to the next level**  LEVEL II

» Chairman’s introduction  
J. Camps Herrero; Valencia/ES
A. Breast MRI biomarkers for the clinical setting  
E.A. Morris; New York, NY/US
B. Preoperative MRI: which changes to expect after the MIPA trial?  
F. Sardanelli; San Donato Milanese/IT
C. Is breast MRI increasing the number of high-risk lesions?  
C.K. Kuhl; Aachen/DE
» Panel discussion: Breast MRI: what more evidence do we need?

5 March  
Sunday, March 5, 08:30–10:00, Room E2

**Neuro**

**E³ 1726c  Imaging of traumatic brain injury**  LEVEL II

Moderator: M. Karlovic-Vidakovic; Mostar/BA
A. New MRI techniques in the diagnosis of patients with traumatic brain injury  
D. Galanaud; Paris/FR
B. Quantification traumatic brain lesions with computer-aided diagnosis software: useful or not?  
R. Manniesing; Nijmegen/NL
C. Structured reporting of traumatic brain injury lesions: introducing common data elements  
T. Vande Vyvere; Antwerp/BE
Activities 2017

Visiting Schools and Seminars
ESOR Courses for EDiR
Scholarship Programmes
Fellowship Programmes
Visiting Professorships
Online Courses
Tutorials
MINI COURSE

This year, the Joint Course of the ESR and RSNA (Radiological Society of North America) focuses on **hybrid imaging**.

Places are allocated on a first-come, first-served basis.

Please note that you can only take part in electronic voting via your own device (smartphone, tablet, laptop) by connecting to the WiFi network of the lecture room you are in. Once connected, you will be automatically directed to the voting website. No app required.
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<td><strong>MINI COURSE</strong></td>
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<td><strong>MC 528 The ABCs of hybrid imaging</strong></td>
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<td><strong>A. What you need to know about PET-physics</strong></td>
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<td>F. Dehdashti; St. Louis, MO/US</td>
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<td><strong>A. Neurodegenerative disorders</strong></td>
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<td>H. Barthel; Leipzig/DE</td>
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<td><strong>B. Prostate cancer: novel tracers</strong></td>
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= Interactive session with electronic voting/self assessment
PROS & CONS SESSION

The Pros & Cons Session will examine the controversial topic: ‘Providing an effective ultrasound service: how and by whom?’ The session will be split into one interactive and one non-interactive part.

March 3
Friday, March 3, 16:00–17:30, Room K

PS 1227 Providing an effective ultrasound service: how and by whom?

Moderators: L.E. Derchi; Genoa/IT
V. Gibbs; Bristol/UK

A. Who provides US services? The situation in Europe
H. Edwards; Stevenage/UK

B. Should US services be provided by radiologists?
(performing and reporting on)
M. Claudon; Vandoeuvre-les-Nancy/FR

C. Can or should US services be provided
by radiographers/sonographers? Educational needs
G. Harrison; London/UK

D. Is it possible to standardise a ‘real-time’ examination?
Sometimes it is possible, but not always
C. Nyhsen; Sunderland/UK

» Discussion on the pros and cons
L.E. Derchi; Genoa/IT
V. Gibbs; Bristol/UK
THE VOICE OF EPOS

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THE VOICE OF EPOS AT ECR 2017

The Voice of EPOS™ will again offer a platform for poster authors to present their work in a moderated poster session to an international audience at ECR 2017.

Presentations will take place from Wednesday to Sunday in the EPOS™ Arena, and will also be broadcast online via the ECR Live streaming service and recorded for ECR Online.

In addition to organ-based topics, The Voice of EPOS™ will feature new exciting sessions such as Computer Applications, Molecular Imaging, Physics in Radiology, Radiographers and Radioprotection. Topical sessions will be held for:

- Abdominal Viscera
- GI Tract
- Breast
- Cardiac
- Chest
- Emergency
- Genitourinary
- Head and Neck
- Interventional
- Musculoskeletal
- Neuro
- Oncology
- Paediatric
- Vascular
- Computer Applications
- Molecular Imaging
- Physics in Radiology
- Radiographers
- Radioprotection
- Eurosafes

To strengthen the exchange within the communities and serve a multilingual and international audience, there will be a multitude of sessions dedicated to the following languages and countries:

- Arabic
- Chinese
- French
- German
- Italian
- Japanese
- Korean
- Russian
- Turkish
- Greek
- Hindi
- Romanian
- Belgium
- Peru
- USA
- Latin America (Spanish)
- Latin America (Portuguese)
- Spain
- Portugal
- Polish
- Swedish

PICK UP THE MICROPHONE:

All sessions are subject to abstract submission figures, which means that you can make them possible! Submit your abstracts to EPOS™, ask your colleagues to submit their work as well, and we’ll make sure you will be part of a session in your specialty or mother tongue!

To take part, abstract submitters must select the respective affirmation during abstract submission.

Don’t miss your chance – submit your abstract to EPOS™ until October 15, 2016!
ECR STUDENT REGISTRATION FOR ONLY €50
Students and trainee radiographers under the age of 30, without any academic degree, can register for just €50.

SIX BASIC SESSIONS
Renowned professors from all over Europe will give basic lectures, prepared especially for trainees.

JOINT ESR/ESOR SESSIONS
Organised in cooperation with the European School of Radiology, these sessions will focus on radiologic anatomy.

STUDENT SESSIONS
The submitting authors of the 32 best abstracts will be invited to the ECR to present their work, with their accommodation and travel expenses paid by the European Society of Radiology.

NEW: EFRS RADIOGRAPHERS’ BASIC SESSION
This special session on the professional roles of the radiographer will be held together with the European Federation of Radiographer Societies.
REFRESHER COURSES

Refresher Courses, as the name suggests, aim to refresh knowledge, reviewing and updating the more basic subjects for those who have not kept up to speed with certain developments, or who just need a reminder - something of interest not only to young radiologists but also experienced doctors.

The length of each course is 90 minutes (classic Refresher Course: three parts of 30 minutes each, including the introduction and time for discussion; integrated Refresher Course: three parts of 23 minutes each, leaving enough time for the introduction by the chairpersons and the panel discussion).

The course will be given by two or three lecturers and led by one or two moderator(s) on a defined subject of clinical imaging, imaging technique, interventional radiology and related subjects.
REFRESHER COURSES
Abdominal and Gastrointestinal

1 March
Wednesday, March 1, 08:30-10:00, Room B
RC 101 Assessing inflammation and fibrosis in Crohn’s disease

» Chairman’s introduction
A. Laghi; Latina/IT

A. Is sonography (CEUS and elastography) the right tool?
E. Quaia; Trieste/IT

B. Is there space for MDCT (spectral imaging, iodine map)?
J. Podgorska; Warsaw/PL

C. Will MRI (DWI and perfusion) solve the problem?
S.A. Taylor; London/UK

» Panel discussion: How do I approach a case in my routine clinical practice?

1 March
Wednesday, March 1, 16:00-17:30, Room B
RC 401 The spleen: the forgotten organ

» Chairman’s introduction
L.H. Ros Mendoza; Zaragoza/ES

A. Acute and chronic splenic disease
G. Zamboni; Verona/IT

B. The incidental splenic lesion
M. Laniado; Dresden/DE

C. Malignant lesions
S. Gourtsoyianni; London/UK

» Panel discussion: How to manage incidental findings in clinical routine practice

3 March
Friday, March 3, 08:30-10:00, Room B
RC 901 CT colonography today

» Chairman’s introduction
M. Hellström; Gothenburg/SE

A. How I perform it
P. Lefere; Roeselare/BE

B. How I interpret it
T. Mang; Vienna/AT

C. Screening with CTC
D. Regge; Turin/IT

» Panel discussion: Challenging cases from clinical practice

4 March
Saturday, March 4, 08:30-10:00, Room B
RC 1301 Difficult challenges in imaging the acute abdomen

Moderator: S.K. Puri; New Delhi/IN

A. Perforation of the GI tract
V. Maniatis; Aabenraa/DK

B. Bowel obstruction
A.J.B.S. Madureira; Porto/PT

C. Acute biliary conditions
C.D. Becker; Geneva/CH

4 March
Saturday, March 4, 16:00-17:30, Room B
RC 1601 Abdominal MRI: from standard to advanced protocols

» Chairman’s introduction
F. Caseiro-Alves; Coimbra/PT

A. Suspected pancreatic tumour
R. Manfredi; Verona/IT

B. Inflammatory bowel disease
J. Rimola; Barcelona/ES

C. Pelvic floor disorder
D. Weishaupt; Zurich/CH

» Panel discussion: How to create an efficient MR protocol in abdominal diseases

5 March
Sunday, March 5, 08:30-10:00, Room B
RC 1701 IgG4-related disease: what is it and what do I need to know?

» Chairman’s introduction
S.A. Jackson; Plymouth/UK

A. Pancreatic manifestations
R. Pozzi-Mucelli; Verona/IT

B. Hepatobiliary manifestations
M. Ronot; Clichy/FR

C. Systemic manifestations
G. Morana; Treviso/IT

» Panel discussion: Tips and tricks in clinical practice
Wednesday, March 1, 16:00–17:30, Room E1
RC 402  Screening for breast cancer  LEVEL  I

» Chairman’s introduction  
E.A. Morris; New York, NY/US

A. Screening with mammography only  
R.M. Pijnappel; Utrecht/NL

B. Screening with mammography and ultrasound  
T.H. Helbich; Vienna/AT

C. Screening with tomosynthesis  
U. Bick; Berlin/DE

» Panel discussion: What is the best modality approach to screen for breast cancer?

Thursday, March 2, 08:30–10:00, Room E1
RC 502  The high risk lesions enigma  LEVEL  II

Moderator: F. Kilburn-Toppin; Cambridge/UK

A. Lesions with an elevated risk for breast cancer  
G. Forrai; Budapest/HU

B. Value of breast MRI: rate of underestimation and impact on treatment decision  
R.M. Mann; Nijmegen/NL

C. Could surgery be avoided?  
S.J. Vinnicombe; Dundee/UK

Thursday, March 2, 16:00–17:30, Room E1
RC 802  Radio-pathological correlation: more important than you thought  LEVEL  I

» Chairman’s introduction  
F.J. Gilbert; Cambridge/UK

A. Pre-treatment planning  
C.K. Kuhl; Aachen/DE

B. Intraoperative specimen evaluation  
J. Camps Herrero; Valencia/ES

C. The breast radiologist sitting down with the pathologist  
T. Tot; Falun/SE

» Panel discussion: How to enhance the interaction between radiologists and pathologists?

Friday, March 3, 08:30–10:00, Room E1
RC 902  Minimally-invasive local treatment of breast cancer: the time is now  LEVEL  I

» Chairman’s introduction  
M. Sklair-Levy; Tel Aviv/IL

A. High intensity focused ultrasound (HIFU) therapy  
B. Cavallo Marincola; Rome/IT

B. Radiofrequency ablation therapy  
B. Brkljačić; Zagreb/HR

C. Cryotherapy  
M.H. Fuchsjäger; Graz/AT

» Panel discussion: How can we overcome resistance of clinical partner specialties to refer eligible women to radiology?

Saturday, March 4, 08:30–10:00, Room E1
RC 1302  Rethinking ductal carcinoma in situ (DCIS)  LEVEL  II

Moderator: F. Pediconi; Rome/IT

A. New molecular pathologic knowledge on DCIS  
M.A.A.J. van den Bosch; Utrecht/NL

B. Diagnosing DCIS  
S. Schrading; Aachen/DE

C. Reducing overtreatment of DCIS  
M.G. Wallis; Cambridge/UK
REFRESHER COURSES

Cardiac

Thursday, March 2, 08:30–10:00, Room N
RC 503 Imaging of cardiac valves: new trends  
**LEVEL II**
Moderator: H. Alkadhi; Zurich/CH
A. Echocardiography remains the reference technique  
F. Knebel; Berlin/DE
B. MRI is the best comprehensive approach  
M. Francone; Rome/IT
C. Does CT have a role in diagnosing valvular disease?  
G. Feuchtner; Innsbruck/AT

Friday, March 3, 08:30–10:00, Room N
RC 903 Novel ways to assess myocardial tissue  
**LEVEL II**
Moderator: O. Duvernoy; Uppsala/SE
A. T1 mapping: technical considerations  
M.R. Makowski; Berlin/DE
B. T2 mapping: technical considerations  
C. Tessa; Lido di Camaiore/IT
C. Clinical use of T1 and T2 mapping  
A. de Roos; Leiden/NL

Saturday, March 4, 14:00–15:30, Room N
RC 1503 Imaging of cardiac function, perfusion and viability by MR  
**LEVEL II**
» Chairman’s introduction  
M. Francone; Rome/IT
A. Getting the best image quality  
B. Jankharia; Mumbai/IN
B. Differentiation of ischemic and non-ischemic cardiomyopathy  
P. Croisille; Saint-Etienne/FR
C. Best applications in congenital heart disease  
J.M. Sohns; Hannover/DE
» Panel discussion: Has MRI matured to a one-stop-shop in cardiac imaging?

Saturday, March 4, 16:00–17:30, Room N
RC 1603 Coronary CT angiography: how to get it done?  
**LEVEL II**
Moderator: K. Pagonidis; Iraklion/GR
A. Beautiful cases from clinical practice I  
S. Feger; Berlin/DE
B. Staff training and technical requirements  
M. Francone; Rome/IT
C. Beautiful cases from clinical practice II  
F. Plank; Innsbruck/AT

Chest

Wednesday, March 1, 08:30–10:00, Room C
RC 104 Pneumonia  
**LEVEL II**
» Chairman’s introduction  
I.E. Tyurin; Moscow/RU
A. Community-acquired pneumonia  
I. Hartmann; Rotterdam/NL
B. Tuberculosis  
E. Castañer; Sabadell/ES
C. Fungal pneumonia in immunocompromised hosts  
C.P. Heussel; Heidelberg/DE
» Panel discussion: What is the role of radiologists in the diagnosis and management of lung infections?

Wednesday, March 1, 16:00–17:30, Room C
RC 404 Pulmonary embolism: persistent controversies  
**LEVEL II**
» Chairman’s introduction  
M. Rémy-Jardin; Lille/FR
A. Subsegmental PE, incidental PE: diagnosis and management  
C.M. Schaefer-Prokop; Amersfoort/NL
B. CT not available, contraindicated or inconclusive: what to do?  
E.J.R. van Beek; Edinburgh/UK
C. Can we predict outcome from imaging?  
B. Ghaye; Brussels/BE
» Panel discussion: How to optimise patient management?

Saturday, March 4, 16:00–17:30, Room C
RC 804 CT - patterns in chest radiology: back to basics and beyond  
**LEVEL II**
» Chairman’s introduction  
H. Alkadhi; Zurich/CH
A. Secondary pulmonary lobule anatomy: essential to tackle with the nodular pattern  
T. Frauenfelder; Zurich/CH
B. Linear and reticular pattern  
F. Molinari; Lille/FR
C. Ground glass opacities (GGO) and consolidation  
J. Vogel-Claussen; Hannover/DE
» Panel discussion: Is it always easy to detect a pattern? Tips for success
### Chest

**Friday, March 3, 08:30–10:00, Room C**

**RC 904**  
Low dose and no-dose chest imaging: opportunities and limitations  
**Moderator:** D. Tack; Baudour/BE  
A. **CT**  
C. de Margerie-Mellon; Paris/FR  
B. **MRI**  
J. Dinkel; Munich/DE  
C. **US**  
F. Gleeson; Oxford/UK

**Friday, March 3, 16:00–17:30, Room C**

**RC 1204**  
Thoracic manifestations of systemic disease  
**Moderator:** A. Chodorowska; Wroclaw/PL  
A. **Systemic sclerosis**  
M. Silva; Parma/IT  
B. **Granulomatosis and polyangiitis**  
S. Bayraktaroglu; Izmir/TR  
C. **Histiocytosis and lymphangioleiomyomatosis**  
A. Oikonomou; Toronto, ON/CA

**Saturday, March 4, 16:00–17:30, Room M 2**

**RC 1605**  
Will the good old PACS disappear?  
**Moderator:** B. Feragalli; Chieti/IT  
A. **New approaches to the management of pulmonary nodules**  
A. Nair; London/UK  
B. **CT phenotypes of lung adenocarcinoma**  
M. Lederlin; Rennes/FR  
C. **Imaging of immune-related response criteria (iRC)**  
O.L. Sediaczek; Heidelberg/DE

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### Computer Applications

**Thursday, March 2, 16:00–17:30, Room M 2**

**RC 805**  
Daily use of mobile devices in radiology  
**Level:**  
A. **Chairman’s introduction**  
O. Ratib; Geneva/CH  
A. **What did mobile devices change in radiology education?**  
E. Kotter; Freiburg/DE  
B. **Is it appropriate to read a study on a smartphone or a tablet?**  
E. Neri; Pisa/IT  
C. **Security and ethical issues of mobile device technology**  
E.R. Ranschaert; 's-Hertogenbosch/NL  
**Panel discussion:** Will mobile technology overcome stationary technology in radiology?

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**March 3**

**Friday, March 3, 08:30–10:00, Room C**

**RC 904**  
Low dose and no-dose chest imaging: opportunities and limitations  
**Level:**  
A. **CT**  
C. de Margerie-Mellon; Paris/FR  
B. **MRI**  
J. Dinkel; Munich/DE  
C. **US**  
F. Gleeson; Oxford/UK

**Friday, March 3, 16:00–17:30, Room C**

**RC 1204**  
Thoracic manifestations of systemic disease  
**Level:**  
A. **Systemic sclerosis**  
M. Silva; Parma/IT  
B. **Granulomatosis and polyangiitis**  
S. Bayraktaroglu; Izmir/TR  
C. **Histiocytosis and lymphangioleiomyomatosis**  
A. Oikonomou; Toronto, ON/CA

**March 5**

**Sunday, March 5, 08:30–10:00, Room C**

**RC 1704**  
Novelties in lung cancer imaging  
**Level:**  
A. **New approaches to the management of pulmonary nodules**  
A. Nair; London/UK  
B. **CT phenotypes of lung adenocarcinoma**  
M. Lederlin; Rennes/FR  
C. **Imaging of immune-related response criteria (iRC)**  
O.L. Sediaczek; Heidelberg/DE
Molecular Imaging

March 1

Wednesday, March 1, 16:00–17:30, Room M 3

RC 406  Molecular imaging: what can we quantify?  LEVEL II

Moderator: O. Clément; Paris/FR

A. Advanced MRI techniques
   M. Smits; Rotterdam/NL

B. Advanced PET imaging techniques
   T. Beyer; Vienna/AT

C. Clinical applications of quantitative hybrid imaging in oncology
   L. Umutlu; Essen/DE

March 3

Friday, March 3, 08:30–10:00, Room M 3

RC 906  Translational research in molecular imaging: how to do the translation  LEVEL II

» Chairman’s introduction
   J. Hodler; Zurich/CH

A. Preclinical quantitative PET/MR imaging
   C. Kuntner-Hannes; Seibersdorf/AT

B. What about nano-technology?
   F.M.A. Kiessling; Aachen/DE

C. The transition from preclinical to clinical
   A. Kjaer; Copenhagen/DK

» Panel discussion: How to perform translational research in molecular imaging

Genitourinary

March 2

Thursday, March 2, 16:00–17:30, Studio 2017

RC 807  Imaging of the prostate  LEVEL II

Moderator: P. Puech; Lille/FR

A. MRI staging of prostate cancer
   G.M. Villeirs; Ghent/BE

B. Pitfalls in MRI of the prostate
   V. Panebianco; Rome/IT

C. Imaging of PSA recurrence
   H.-P. Schlemmer; Heidelberg/DE

March 3

Friday, March 3, 16:00–17:30, Studio 2017

RC 1207  MRI for gynaecologic imaging: how I do it  LEVEL II

» Chairman’s introduction
   K.H. Härmä; Berne/CH

A. Basics of patient preparation and T2W-imaging
   N.M. deSouza; Sutton/UK

B. Contrast agents
   R.A. Kubik-Huch; Baden/CH

C. Diffusion and ADC
   E. Sala; New York, NY/US

» Panel discussion: Multiparametric MRI of the female pelvis - should it replace tailored protocols?

March 4

Saturday, March 4, 08:30–10:00, Studio 2017

RC 1307  Management of incidental findings in the genitourinary tract  LEVEL II

Moderator: R.H. Oyen; Leuven/BE

A. Adrenals
   L.E. Derchi; Genoa/IT

B. Kidneys
   H.C. Thoeny; Berne/CH

C. Adnexa
   C.S. Balleyguier; Villejuif/FR

March 5

Sunday, March 5, 08:30–10:00, Studio 2017

RC 1707  Pitfalls in gynaecologic oncologic imaging: how to avoid them and minimise risks  LEVEL II

» Chairman’s introduction
   A. Sahdev; London/UK

A. Mistakes in assessment of cervical cancer
   M.M. Otero-García; Santiago de Compostela/ES

B. Mistakes in assessment of endometrial cancer
   T.M. Cunha; Lisbon/PT

C. Mistakes in assessment of ovarian masses
   I. Thomassin-Nagagara; Paris/FR

» Panel discussion: How can we improve interdisciplinary communication and avoid misunderstanding in our reports?
Head and Neck

**Wednesday, March 1, 08:30–10:00, Room N**

**RC 108**  
Head and neck imaging: don’t sell your ultrasound yet!  
**Level II**

Moderator: T. Beale; London/UK

A. Salivary gland imaging with ultrasound  
S. Colley; Birmingham/UK

B. Masses of the soft parts of the neck  
P.K. Srivastava; Lucknow/IN

C. Lymph nodes: differential diagnosis and fine-needle aspiration  
R. Maroldi; Brescia/IT

**Wednesday, March 1, 16:00–17:30, Room N**

**RC 408**  
Pathways for tumour spread  
**Level I**

Moderator: N.N.

A. Pathways for oral cavity and oropharynx tumour spread  
A. Borges; Lisbon/PT

B. Pathways for nasopharyngeal tumour spread including perineural spread  
V. Chong; Singapore/SG

C. Pathway for laryngeal and hypopharyngeal tumour spread  
N. Chidambaranathan; Chennai/IN

**Wednesday, March 1, 08:30–10:00, Room M**

**RC 109**  
Musculoskeletal interventions: what's new?  
**Level II**

Moderator: A. Gangi; Strasbourg/FR

A. Musculoskeletal ablation and embolisation  
A. Basile; Catania/IT

B. Vertebral augmentation and discectomy techniques: can we challenge surgery?  
D. Filippidis; Athens/GR

C. Bone biopsy and pain treatment using cone-beam CT (CBCT)  
M.J. Van Strijen; Nieuwegein/NL

**Thursday, March 2, 16:00–17:30, Room N**

**RC 808**  
Pitfalls in interpretation of head and neck disease  
**Level I**

Moderator: S. Robinson; Vienna/AT

A. Anatomical variants without clinical consequence  
F.A. Pameijer; Utrecht/NL

B. Anatomical variants posing surgical risks  
D. Farina; Brescia/IT

C. Distinct head and neck disease or systemic disease?  
M. Becker; Geneva/CH

**Saturday, March 4, 08:30–10:00, Room N**

**RC 1308**  
Posttreatment imaging of the head and neck  
**Level I**

» Chairman’s introduction  
H.B. Eggesbø; Oslo/NO

A. Normal findings after radiotherapy  
R. Hermans; Leuven/BE

B. Normal findings after surgery  
A. Trojanowska; Lublin/PL

C. Treatment monitoring for early detection of recurrence  
A.D. King; Hong Kong/HK

» Panel discussion: What are the challenges in differentiating post-treatment changes from tumour recurrence?
REFRESHER COURSES
Interventional Radiology

**March 3**
Friday, March 3, 16:00–17:30, Room M 3

RC 1209  Portal hypertension and interventional radiology (IR)  [LEVEL III]

» Chairman’s introduction
V. Vilgrain; Clichy/FR

A. Imaging of portal hypertension
I. Bargellini; Pisa/IT

B. Embolisation for portal hypertension/varices and splenic artery embolisation
I.E. Keussen; Lund/SE

C. Transjugular intrahepatic portosystemic shunt (TIPS): critical appraisal of techniques and guidelines for treatment
A. Krajina; Hradec Králové/CZ

» Panel discussion: Appropriate selection of patients for IR including the role of Balloon-Occluded Retrograde Transvenous Obliteration (BRTO) for gastric varices

**March 1**
Wednesday, March 1, 08:30–10:00, Room D

RC 110  The elbow: a comprehensive approach  [LEVEL III]

» Chairman’s introduction
A. Alcalá-Galiano; Madrid/ES

A. The tendons: anatomy, pathology and intervention
P. Peetrons; Brussels/BE

B. Ligament injury and instability: what to look for and what to say
M.C. De Jonge; Amsterdam/NL

C. Nerve entrapment at the elbow
L.M. Sconfienza; San Donato Milanese/IT

» Panel discussion: US, CT, conventional MR, high field MR: making the right choice

**March 1**
Wednesday, March 1, 16:00–17:30, Room D

RC 410  Bone trauma in the axial skeleton: patterns of injury and how I describe them  [LEVEL III]

Moderator: A. Barile; L’Aquila/IT

A. Thoracic and lumbar spine
V.N. Cassar-Pullicino; Oswestry/UK

B. Pelvis
K. Verstraete; Ghent/BE

C. Acetabulum
A. Kassarjian; Majadahonda/ES

**March 2**
Thursday, March 2, 08:30–10:00, Room D

RC 510  Musculoskeletal ultrasound in the management of sports injuries  [LEVEL III]

Moderator: C. Cyteval; Montpellier/FR

A. Ultrasound of foot and ankle injuries: technique and diagnosis
C. Martinoli; Genoa/IT

B. Ultrasound of the hip and knee: what is it good for and what are its limitations?
E. Rowbotham; Leeds/UK

C. Ultrasound guided intervention in the athlete: indications and techniques
H. Guerini; Paris/FR

**March 3**
Friday, March 3, 16:00–17:30, Room M 3

RC 1209  Portal hypertension and interventional radiology (IR)  [LEVEL III]

» Chairman’s introduction
V. Vilgrain; Clichy/FR

A. Imaging of portal hypertension
I. Bargellini; Pisa/IT

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| 2 March | Thursday, March 2 | 16:00–17:30 | Room D | RC 810 | LEVEL II | *Inflammatory arthritis: beyond the radiograph*  
Chairman’s introduction  
M. Reijnierse, Leiden/NL  
A. Rheumatoid arthritis: what does MRI show and how do I do it?  
I. Sudoł-Szopińska, Warsaw/PL  
B. The axial skeleton in spondyloarthritis: conventional radiograph to MRI  
R. Campbell, Liverpool/UK  
C. Ultrasound in inflammatory arthritis: what does it show and what does it mean?  
A. Klauser, Innsbruck/AT |
| 3 March | Friday, March 3 | 16:00–17:30 | Room D | RC 1210 | LEVEL II | *Imaging the hip and thigh*  
Moderator: V. Njagulj, Sremska Kamenica/RS  
A. Femoroacetabular impingement: what is it, how do I image it and does it matter?  
R. Sutter, Zurich/CH  
B. Groin pain in the athlete: what causes it and what does imaging contribute?  
M. Maas, Amsterdam/NL  
C. Muscle injury of the hip and thigh  
M.-A. Weber, Heidelberg/DE |
| 4 March | Saturday, March 4 | 08:30–10:00 | Room D | RC 1310 | LEVEL II | *Shoulder MRI: mastering technique and making my report relevant*  
Chairman’s introduction  
J. Kramer, Linz/AT  
A. The normal MRI: techniques and anatomy  
E. Llopis, Valencia/ES  
B. Rotator cuff tears: what are they and what do they look like?  
K.-F. Kreitner, Mainz/DE  
C. Patterns of instability: what does the MRI show?  
A.J. Grainger, Leeds/UK |
| 5 March | Sunday, March 5 | 08:30–10:00 | Room D | RC 1710 | LEVEL II | *MRI of articular cartilage and bone: areas of imaging confusion and practical solutions*  
Moderator: O. Papakonstantinou, Athens/GR  
A. Bone oedema syndromes and avascular necrosis  
B. Vande Berg, Brussels/BE  
B. Osteochondral injury, subchondral fractures and traumatic bone oedema: what is important and how do I describe it  
F.W. Roemer, Erlangen/DE  
C. Is this osteomyelitis? If not what else could it be?  
A.B. Rosskopf, Zurich/CH |
REFRESHER COURSES

Neuro

1 March  
**Wednesday, March 1, 08:30–10:00, Room E2**

**RC 111 Management of acute stroke**

*Moderator:* P. Vilela; Almada/PT  
*A.* A critical appraisal of the current literature  
W. van Zwam; Maastricht/NL  
*B.* Which techniques can we use to reopen an occluded cerebral blood vessel?  
T. van der Zijden; Edegem/BE  
*C.* Endovascular stroke treatment: ethical and economical concerns  
K.-O. Løvblad; Geneva/CH

2 March  
**Thursday, March 2, 16:00–17:30, Room E2**

**RC 811 Toxic brain disorders**

*Moderator:* P. Due-Tønnessen; Oslo/NO  
*A.* Alcohol-related changes in the brain  
M. Knauth; Göttingen/DE  
*B.* Recreational drugs and occupational hazards  
D. Mandell; Toronto, ON/CA  
*C.* Treatment-induced effects on the brain parenchyma  
T. Lim; Singapore/SG

3 March  
**Friday, March 3, 08:30–10:00, Room E2**

**RC 911 Cerebrovascular disease**

*Moderator:* A. Krainik; Grenoble/FR  
*A.* Vascular distribution territories: arterial and venous  
A. Dörfler; Erlangen/DE  
*B.* Arterial dissection and vasculitis  
P.C. Maly Sundgren; Lund/SE  
*C.* Cerebral perfusion studies in cerebrovascular disease: techniques, indications and applications  
H.R. Jäger; London/UK

3 March  
**Friday, March 3, 16:00–17:30, Room E2**

**RC 1211 Reporting the degenerative lumbar spine**

*Moderator:* E.T. Tali; Ankara/TR  
*A.* Disc nomenclature: how I make my report  
E. Arana; Valencia/ES  
*B.* Don’t forget the facet joints and posterior elements  
L. van den Hauwe; Antwerp/BE  
*C.* What to say and not to say in your report  
M.M. Thurnher; Vienna/AT

4 March  
**Saturday, March 4, 08:30–10:00, Room E2**

**RC 1311 White spots in the brain**

*Moderator:* E. Maj; Warsaw/PL  
*A.* White spots and blots in the brain: what are they?  
T.A. Yousry; London/UK  
*B.* How can I improve my reporting of T2-hyperintense lesions?  
A. Rovira-Cañellas; Barcelona/ES  
*C.* Is there a need for quantitative reporting of white matter lesions?  
N.N.
**Paediatric**

1 March

**Wednesday, March 1, 16:00–17:30, Room O**

**RC 412**  Chest imaging in paediatrics  LEVEL II

**Moderator:** B. Ahuja; Agra/IN

A. Congenital anomalies of the chest  
M. Haliloglu; Ankara/TR

B. Lung infection and its complications  
M.L. Lobo; Lisbon/PT

C. Imaging interstitial lung disease in children: update 2017  
E. Alexopoulou; Athens/GR

2 March

**Thursday, March 2, 08:30–10:00, Room O**

**RC 512**  Paediatric musculoskeletal imaging  LEVEL II

**Moderator:** A.C. Offiah; Sheffield/UK

A. MRI of the wrist: the occurrence of bone marrow oedema  
D.A. Avenarius; Winterswijk/NL

B. MRI of the temporomandibular joints: findings that can mimic arthritis  
T. von Kalle; Stuttgart/DE

C. Skeletal trauma in children  
I. Barber; Esplugues de Llobregat/ES

3 March

**Friday, March 3, 08:30–10:00, Room O**

**RC 912**  Understanding paediatric neuroradiology  LEVEL II

**Moderator:** N.N.

A. Imaging of the premature brain  
N. Khandelwal; Chandigarh/IN

B. Abusive head trauma: the role of CT and MRI  
C. Adamsbaum; Le Kremlin-Bicêtre/FR

C. Imaging in hypoxic-ischaemic injury and hypothermia: an update  
F.M. Trulzi; Milan/IT

3 March

**Friday, March 3, 16:00–17:30, Room O**

**RC 1212**  Dose reduction: tips and tricks  LEVEL II

**Moderator:** C. Granata; Genoa/IT

A. Dose reduction in paediatric CT  
D. Aadnevik; Bergen/NO

B. Diagnostic reference levels in paediatric imaging: international recommendations  
R. Seur; Helsinki/FI

C. The impact of dose management systems  
L.A. Rainford; Dublin/IE

*This session is part of the EuroSafe Imaging campaign.*
REFRESHER COURSES

Physics in Radiology

1 March

Wednesday, March 1, 08:30–10:00, Room G

RC 113  Single-dual-multi-energy CT  LEVEL III

» Chairman's introduction
J. Damilakis; Iraklion/GR

A. Basics of diagnostic dual-energy CT
T. Klinder; Hamburg/DE

B. Photon counting detector technology for diagnostic CT
I. Blevis; Haifa/IL

C. Do we really need multi-energy CT?
S.T. Schindera; Aarau/CH

» Panel discussion: How many 'energies' do we need in CT?

4 March

Saturday, March 4, 08:30–10:00, Room G

RC 1313  Motion management in medical imaging  LEVEL III

» Chairman's introduction
J. Geleijns; Leiden/NL

A. Managing respiratory motion with CT and CBCT: conventional approaches and motion compensating techniques
J. Sijbers; Antwerp/BE

B. Managing cardiac motion with CT and CBCT: conventional approaches and motion compensating techniques
M. Kachelrieß; Heidelberg/DE

C. Motion compensation in MR and PET imaging
C. Kolbitsch; Berlin/DE

» Panel discussion: How to optimise motion management in different imaging modalities?

4 March

Saturday, March 4, 14:00–15:30, Room G

RC 1513  Dose reduction using iterative image reconstruction in CT  LEVEL III

» Chairman's introduction
V. Gershan; Skopje/MK

A. Basics of iterative image reconstruction in CT
M. Kortesniemi; Helsinki/FI

B. Iterative image reconstruction in clinical practice (dos and don'ts)
H. Alkadhi; Zurich/CH

C. Image quality assessment of iterative reconstruction: pitfalls and future directions
C. Ghetti; Parma/IT

» Panel discussion: How low can we go?

This session is part of the EuroSafe Imaging campaign.
Wednesday, March 1, 08:30–10:00, Room K
RC 114  MRI technology and techniques
Moderators: V. Syrgiamiotis; Athens/GR
A. Mizzi; Msida/MT
A. High field MRI benefits and limitations: 3T and higher
C. Malamateniou; London/UK
B. RF-related heating in clinical MRI
T. Owman; Lund/SE
C. The benefits of diffusion imaging
J. Castillo; Msida/MT
» Discussion and questions: How is patient care affected by MRI technology and techniques?

Wednesday, March 1, 16:00–17:30, Room K
RC 414  Modern imaging of major trauma
Moderators: P.H. Hogg; Salford/UK
L. van den Hauwe; Antwerp/BE
A. Use of MSCT in disaster victim identification
J. Kroll; Maastricht/NL
B. Conventional radiography in major trauma: role, technique modification and impact on interpretation
M. Hardy; Bradford/UK
C. Applications of ultrasound in the evaluation of major trauma
T. Herlihy; Dublin/IE
» Discussion and questions: Imaging of major trauma - what are the challenges

Thursday, March 2, 08:30–10:00, Room K
RC 514  CT imaging: the role of the radiographer and technological developments
Moderators: C. Beardmore; London/UK
R. Siemund; Lund/SE
A. The role of the radiographer in interventional CT procedures
J. Santos; Coimbra/PT
B. Optimising CT doses
F. Zarb; Msida/MT
C. State of the art CT technology
S. Deppe; Kolding/DK
» Discussion and questions: Optimisation of care in CT: what else may be done?
### Vascular

**1 March**  
**Wednesday, March 1, 08:30–10:00, Room M 1**

**RC 115**  
**Peripheral vascular malformations: light after darkness**  
**LEVEL II**

» Chairman’s introduction  
J.A. Reekers; Amsterdam/NL

A. **The diagnostic assessment**  
M. Köcher; Olomouc/CZ

B. **Percutaneous or endovascular treatment: when and how?**  
B. Peynircioglu; Ankara/TR

C. **Paediatric vascular malformations: diagnosis and treatment**  
S. Stuart; London/UK

» Panel discussion: How could we improve diagnosis and optimise the results of our interventions?

**2 March**  
**Thursday, March 2, 16:00–17:30, Room M 1**

**RC 815**  
**Carotid artery disease: so what’s new?**  
**LEVEL II**

Moderator:  
T. Jargiello; Lublin/PL

A. **The diagnostic assessment of carotid arteries: do we still need US?**  
R. Iezzi; Rome/IT

B. **Carotid stenting vs endarterectomy: is the jury back yet?**  
K.D. Mathias; Dortmund/DE

C. **Carotid interventions in the setting of acute stroke**  
S. Sencer; Istanbul/TR

**3 March**  
**Friday, March 3, 08:30–10:00, Room M 1**

**RC 915**  
**Post-treatment evaluation: what every radiologist should know**  
**LEVEL II**

» Chairman’s introduction  
P. Haage; Wuppertal/DE

A. **Thoracic aorta**  
T. Leiner; Utrecht/NL

B. **Abdominal aorta**  
C. Loewe; Vienna/AT

C. **Peripheral arterial disease**  
M. Anzidei; Rome/IT

» Panel discussion: How to optimise post-treatment imaging; getting proper diagnosis without performing too many examinations

### Oncologic Imaging

**2 March**  
**Thursday, March 2, 08:30–10:00, Room F2**

**RC 516**  
**A multidisciplinary approach to prostate cancer: can we make a difference?**  
**LEVEL II**

» Chairman’s introduction  
B. Hamm; Berlin/DE

A. **The urologist: evidence-based clinical decision making**  
N. Mottet; St. Etienne/FR

B. **The radiologist: evidence-based use of multiparametric MRI**  
H.-P. Schlemmer; Heidelberg/DE

C. **The radiation oncologist**  
D. Georg; Vienna/AT

» Panel discussion: Prostate cancer: evidence-based multidisciplinary approach to imaging and treatment

**2 March**  
**Thursday, March 2, 16:00–17:30, Room F2**

**RC 816**  
**Evaluating lymph node involvement: an impossible task?**  
**LEVEL II**

» Chairman’s introduction  
P. Lalitha; Hyderabad/IN

A. **The current criteria for nodal involvement MRI/CT**  
D. Tse; Hong Kong/HK

B. **Advanced MRI techniques: what do they contribute?**  
H.C. Thoeny; Berne/CH

C. **PET and other nuclear medicine techniques**  
T. Barwick; London/UK

» Panel discussion: Will imaging ever make diagnostic biopsy unnecessary?

**3 March**  
**Friday, March 3, 08:30–10:00, Room F2**

**RC 1216**  
**Monitoring response: the essential guide for all radiologists**  
**LEVEL II**

» Chairman’s introduction  
P. Brader; Graz/AT

A. **RECIST made easy**  
A.G. Rockall; London/UK

B. **PERCIST: PET response criteria**  
C.C. Cyran; Munich/DE

C. **Assessment of response using functional MR and CT imaging: the essentials**  
C.A. Cuénod; Paris/FR

» Panel discussion: When and how will functional imaging overcome morphological assessment?
Oncologic Imaging

5 March  Sunday, March 5, 08:30–10:00, Room F2

RC 1716  Diffusion-weighted imaging (DWI) in oncology: how I do it [LEVEL II]

» Chairman’s introduction
D.-M. Köh; Sutton/UK

A. DWI: how to optimise protocols
N. Papanikolaou; Lisbon/PT

B. DWI in abdominal oncology: ready for clinical practice?
D.M. Lambregts; Amsterdam/NL

C. DWI: whole body imaging
V. Vandecaveye; Leuven/BE

» Panel discussion: How to optimise DWI for clinical practice?

4 March  Saturday, March 4, 08:30–10:00, Room F2

RC 1317  Acute pain: hallmark in emergency radiology [LEVEL II]

» Chairman’s introduction: Management and therapeutic pathways in patients with acute pain
D.R. Kool; Nijmegen/NL

A. Head
S. Wirth; Munich/DE

B. Chest
E. Dick; London/UK

C. Abdomen
R. Basilico; Chieti/IT

» Panel discussion: Where does radiology fit in the pathway?

4 March  Saturday, March 4, 14:00–15:30, Room F2

RC 1517  The latest update in imaging of polytrauma patients [LEVEL II]

» Chairman’s introduction: The role of proper imaging and management in patients after severe trauma
M. Staigi; Poznan/PL

A. Ultrasound: when, why and by whom?
P.-A. Poletti; Geneva/CH

B. CT: is it always whole-body?
F.H. Berger; Amsterdam/NL

C. Where is the proper place for MRI?
K. Katulska; Poznan/PL

» Panel discussion: Comprehensive guidelines how to qualify post-traumatic patients for the proper imaging modality – summary

4 March  Saturday, March 4, 16:00–17:30, Room F2

RC 1617  Abdominal trauma: things not to forget [LEVEL II]

Moderator: G. Schueller; Opfikon/CH

A. Liver and spleen
M. Scaglione; Castel Volturno/IT

B. Pancreas, bowel and mesentery
M.A. Patak; Zurich/CH

C. Urogenital tract
R.H. Oyen; Leuven/BE
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Further EDiR exams will be announced at
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JOINT SESSIONS
JOINT SESSIONS

CLINICAL TRIALS IN RADIOLOGY (CTiR)

1 March  
**Wednesday, March 1, 12:30–13:30, Room M 1**
Clinical Trials in Radiology (CTiR) 1
**Moderators:** M. Dewey; Berlin/DE  
R.L. Baron; Chicago, IL/US

2 March  
**Thursday, March 2, 12:30–13:30, Room M 1**
Clinical Trials in Radiology (CTiR) 2
**Moderators:** M. Dewey; Berlin/DE  
R.L. Baron; Chicago, IL/US

3 March  
**Friday, March 3, 16:00–17:30, Room X**
EDiR Talk

EDiR TALK  
(European Diploma in Radiology)

= Interactive session with electronic voting/self assessment
**EFOMP WORKSHOPS**  
(European Federation of Organisations for Medical Physics)

**EF 1**  
Friday, March 3, 08:30–10:00, Room G  
Radiation incidents and accidents in medical imaging and their management (part I)  

**Moderators:** J. Damilakis; Iraklion/GR  
A. Torresin; Milan/IT

- **Chairman's introduction**  
  J. Damilakis; Iraklion/GR

- **Radiation incidents and accidents in CT**  
  M. Mahesh; Baltimore, MD/US

- **Radiation incidents and accidents in interventional suites**  
  R.W.R. Loose; Nürnberg/DE

- **Accidental exposure during pregnancy**  
  J. Damilakis; Iraklion/GR

This session is part of the EuroSafe Imaging campaign.

**EF 2**  
Friday, March 3, 10:30–12:00, Room G  
Radiation incidents and accidents in medical imaging and their management (part II)  

**Moderators:** M. Brambilla; Novara/IT  
D.J. Lurie; Aberdeen/UK

- **Chairman's introduction**  
  M. Brambilla; Novara/IT

- **Incidents and accidents in MRI**  
  D.J. Lurie; Aberdeen/UK

- **Radiation incidents and accidents in nuclear medicine**  
  M. Brambilla; Novara/IT

- **Management of incidents and accidents in imaging departments: the role and responsibilities of medical physicists**  
  V. Tsapaki; Athens/GR

This session is part of the EuroSafe Imaging campaign.

**EFRS WORKSHOP**  
(European Federation of Radiographer Societies)  
facilitated by Elsevier and the 'Radiography' journal

**March 3**  
Friday, March 3, 08:30–10:00, Room G  
**EF 1**  
Radiation incidents and accidents in medical imaging and their management (part I)  

**Moderators:** J. Damilakis; Iraklion/GR  
A. Torresin; Milan/IT

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  R.W.R. Loose; Nürnberg/DE

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Friday, March 3, 10:30–12:00, Room G  
**EF 2**  
Radiation incidents and accidents in medical imaging and their management (part II)  

**Moderators:** M. Brambilla; Novara/IT  
D.J. Lurie; Aberdeen/UK

- **Chairman's introduction**  
  M. Brambilla; Novara/IT

- **Incidents and accidents in MRI**  
  D.J. Lurie; Aberdeen/UK

- **Radiation incidents and accidents in nuclear medicine**  
  M. Brambilla; Novara/IT

- **Management of incidents and accidents in imaging departments: the role and responsibilities of medical physicists**  
  V. Tsapaki; Athens/GR

This session is part of the EuroSafe Imaging campaign.

**March 4**  
Saturday, March 4, 16:00–17:30, Room K  
**EFRS Authorship and Reviewer Workshop**

- **Chairman's introduction: Establishing the evidence base in radiology and radiography**  
  G. Paulo; Coimbra/PT

- **Why publish your work?**  
  F. Zarb; Msida/MT

- **Journal selection: aims and scope, audience and metrics**  
  J.M. Nightingale; Salford/UK

- **Ethics of publishing**  
  J. McNulty; Dublin/IE

- **Things to consider: the reviewer's perspective**  
  A. England; Salford/UK

- **Editor's ten top tips for publishing success**  
  J.M. Nightingale; Salford/UK

- **Panel discussion: What are the barriers to publishing your research or becoming a reviewer and how can they be overcome?**
**JOINT SESSIONS**

**EIBIR SESSIONS**
*(European Institute for Biomedical Imaging Research)*

**Thursday, March 2, 08:30–10:00, Room X**

**EIBIR Session 1**
**VPH-DARE@IT project**

**Moderator:** A. Frangi; Sheffield/UK

» Introduction
A. Frangi; Sheffield/UK

» Patient care platform
M. van Gils; Tampere/FI

» Clinical research platform
S. Varma; Sheffield/UK

» Mechanistic model-based biomarkers
Y. Ventikos; London/UK

» Phenomenological model-based biomarkers
S. Klein; Rotterdam/NL

**Friday, March 3, 08:30–10:00, Room M 2**

**EIBIR Session 2**
**EU Research on cancer imaging**

**Moderator:** Y. Liu; Brussels/BE

» Introduction
Y. Liu; Brussels/BE

» Multi-modal imaging with diffuse optics for cancer theranostics
T. Durduran; Barcelona/ES

» Hybrid PET/MRI for breast cancer detection
C.K. Kuhl; Aachen/DE

» Using GlucoCEST MRI to visualise cancer
X. Golay; London/UK

**Saturday, March 4, 14:00–15:30, Room L 8**

**EIBIR Session 3**
**Innovative solutions for diagnosis and treatment concepts for GIST patients from the MITIGATE project**

**Moderator:** S.O. Schönberg; Mannheim/DE

» Introduction to the state-of-the-art therapy in GIST
P. Hohenberger; Mannheim/DE

» Improving the diagnostic imaging approach in GIST patients
C. Decristoforo; Innsbruck/AT

» Minimally invasive treatment of GIST patients in a compassionate use programme
S. Diehl; Mannheim/DE

» Impact of the MITIGATE project on European GIST patients
A. Bruno-Lindner; Vienna/AT

» Discussion

**ESHI SESSION**
*(European Society for Hybrid Medical Imaging)*

**Saturday, March 4, 08:30–10:00, Room M 2**

**Hybrid imaging: case-based diagnosis in PET/CT**

**Moderator:** K. Nikolaou; Tübingen/DE

» FDG-indications in oncology: case-based
K. Riklund; Umeå/SE

» Non-FDG-indications in oncology: case-based
O. Ratib; Geneva/CH

» Pitfalls in PET/CT: case-based
G. Antoch; Düsseldorf/DE
ESOR SESSION (European School of Radiology)

Thursday, March 2, 14:00–15:30, Room M 3

How to gain and maintain quality education in radiology

Moderators: N. Gourtsoyiannis; Athens/GR
P.M. Parizel; Antwerp/BE

» Introduction
P.M. 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.A. Minoiu; Bucharest/RO

» Awards

ESR AUDIT AND STANDARDS SESSION

Thursday, March 2, 08:30–10:00, Room M 2

How (Euro)safe is your department?

Moderator: B.E. Kelly; Belfast/UK

» Audit and raising the standard: the role of audit in 2017
M.F.J. Ryan; Cork/IE

» Auditing the auditors: safe doctors in safe departments
G. Paulo; Coimbra/PT

» Audit: what a regulator needs to know
S. Ebdon-Jackson; Didcot/UK

» Audit and the patient journey
E. Briers; Hasselt/BE

» Panel discussion: Can an auditless department prove that its a safe department?
ESR PATIENT ADVISORY GROUP (ESR-PAG) SESSIONS

Saturday, March 4, 10:30–12:00, Room L 8

ESR-PAG 1 Improving patient safety and quality of care in clinical radiology

» Chairmen's introduction
  N. Bedlington; Vienna/AT
  B.E. Kelly; Belfast/UK

» The work of the ESR Audit & Standards Subcommittee in collaboration with ESR-PAG
  B.E. Kelly; Belfast/UK

» Patients' perspective
  D. Walsh; Dublin/IE
  E. Briers; Hasselt/BE

» Example of good practice: implementing a patient satisfaction questionnaire in your radiology department
  D.-G. Carrié; Toulouse/FR

» Panel discussion: Does your department perform well in patient-centred care?

Saturday, March 4, 16:00–17:30, Room L 8

ESR-PAG 2 Big data - data management, standardisation, access and protection: the way forward in developing personalised/precision medicine

» Chairmen's introduction
  N. Bedlington; Vienna/AT
  B. Brkljačić; Zagreb/HR

» European developments within data management, standardisation, access and protection
  P. Mildenberger; Mainz/DE

» Patients' point of view
  N. Bedlington; Vienna/AT
  E. Briers; Hasselt/BE

» Current US status pros & cons and issues
  J.A. Brink; Boston, MA/US

» Panel discussion: Importance of data management in modern medicine - what are the main issues to be addressed?
# ESR Working Group on Ultrasound Sessions

## Wednesday, March 1, 08:30–10:00, Room Z

**WG 1  Ultrasound of the lung parenchyma: a diagnostic tool for the paediatric radiologist or for the clinician?**

**Moderator:** C. Owens; London/UK

- How I perform and interpret lung parenchymal ultrasound
  M. Riccabona; Graz/AT

- How does lung parenchymal ultrasound change the clinical management of the sick child: the paediatric radiologists perspective
  P. Tomà; Rome/IT

- How does lung parenchymal ultrasound change the clinical management of the sick child: the clinicians perspective
  L. Cattarossi; Udine/IT

- Panel discussion

## Wednesday, March 1, 16:00–17:30, Room Z

**WG 2  Image fusion**

**Moderator:** M. Bachmann Nielsen; Copenhagen/DK, L.E. Derchi; Genoa/IT

- Image fusion of the kidney
  M. Claudon; Vandoeuvre-les-Nancy/FR, D.A. Clevert; Munich/DE

- Image fusion of the liver
  G.H. Mostbeck; Vienna/AT

- Image fusion of the prostate
  D.A. Clevert; Munich/DE

- Panel discussion

## Thursday, March 2, 08:30–10:00, Room Z

**WG 3  Minimising the risk of cross infection: how to keep patients safe in ultrasound**

**Chairman’s introduction**
M. Claudon; Vandoeuvre-les-Nancy/FR

- Risk of cross transmission of infection in ultrasound: current European practice (ESR survey results) and best practice recommendations prepared by the ESR US WG
  C. Nyhuisen; Sunderland/UK

- Comments from the ESR Patient Advisory Group regarding infection control practice in Europe
  J. Birch; Poole/UK

- Comments from industry representation
  N. Denjoy; Brussels/BE

- Panel discussion: How can safer practice be achieved?

## Thursday, March 2, 16:00–17:30, Room Z

**WG 4  Simulation training in ultrasound**

**Moderators:** M. Bachmann Nielsen; Copenhagen/DK, V. Cantisani; Rome/IT

- How to evaluate simulation training
  L. Konge; Copenhagen/DK

- Different ultrasound simulators for different purposes
  N.N.

- US simulation training in student education
  R. Badea; Cluj-Napoca/RO

- Experience with ultrasound simulators in training radiologists
  M.L. Østergaard; Copenhagen/DK

- Panel discussion
EUROSAFE IMAGING SESSIONS

1 March

**Wednesday, March 1, 16:00–17:30, Room M 1**

**EU 1 Clinical diagnostic reference levels**  
Moderators: G. Frija; Paris/FR  
G. Simeonov; Luxembourg/LU  
- Introduction  
G. Frija; Paris/FR  
- Clinical diagnostic reference levels: from concept to impact in clinical practice  
R.W.R. Loose; Nürnberg/DE  
- ICRP perspective: from methodological region-related DRLs to DRLs based on clinical indications  
E. Vaño; Madrid/ES  
- EuroSafe Imaging clinical DRLs: an update of the Stars survey results  
P. Vock; Spiegel/CH  
- EuroSafe imaging clinical DRLs in abdomino-pelvic CT  
W.W. Mayo-Smith; Boston, MA/US  
- Panel and public discussion  
This session is part of the EuroSafe Imaging campaign.

2 March

**Thursday, March 2, 10:30–12:00, Room X**

**EU 2 Focus on appropriate image quality: what we have to know**  
Moderator: W. Stiller; Heidelberg/DE  
- EuroSafe Imaging on “appropriate image quality”: Introduction  
S.T. Schindera; Aarau/CH  
- Metrics and methods for quantitative image quality determination: a physicist’s perspective  
C. Hoeschen; Magdeburg/DE  
- Balancing diagnostic image quality and radiation exposure in clinical routine: a radiologist’s perspective  
H. Geijer; Örebro/SE  
- Image quality assessment via model observers: connecting objective and subjective perspectives  
F.R. Verdun; Lausanne/CH  
- Implementing a review process on image quality: experiences from a EuroSafe Imaging Star  
F. Deferme; Antwerp/BE  
This session is part of the EuroSafe Imaging campaign.

2 March

**Thursday, March 2, 16:00–17:30, Room L 8**

**EU 3 European Alliance for Medical Radiation Protection Research (EURAMED)**  
Moderators: G. Frija; Paris/FR  
C. Hoeschen; Magdeburg/DE  
- Introduction of EURAMED  
C. Hoeschen; Magdeburg/DE  
- Cardiovascular effects of radiations focused on breast cancer treated with radiation therapy  
W. Dörri; Vienna/AT  
- Circulating biomarkers reflecting dose exposure  
R. Tamarat; Fontenay-aux-Roses/FR  
- General physical principles used for optimisation  
G. Paulo; Coimbra/PT  
- Dose distribution in interventional radiology  
H. Schlattli; Munich/DE  
This session is part of the EuroSafe Imaging campaign.

3 March

**Friday, March 3, 14:00–15:30, Room M 1**

**EU 4 European CT dose repository**  
Moderators: J. Damlakis; Iraklion/GR  
J.A. Brink; Boston, MA/US  
- The technical implementation of dose tracking tools  
A. Torresin; Milan/IT  
- How do dose tracking tools change the practice of radiographers?  
S.J. Foley; Dublin/IE  
- How do dose tracking tools change the practice of radiologists?  
F. Zanca; Leuven/BE  
- European CT Dose repository working group: summary of activities  
E. Nerri; Pisa/IT  
- The ACR Dose Index Registry  
W.W. Mayo-Smith; Boston, MA/US  
- Questions and answers  
This session is part of the EuroSafe Imaging campaign.
**Image Interpretation Quizzes**

**Friday, March 3, 16:00–17:30, Room M 1**

**EU 5 EuroSafe Imaging stars**

- **Moderators:** L. Bonomo; Rome/IT  
  S. Ebdon-Jackson; Didcot/UK

- **Value and limitations of the ‘Is your Imaging EuroSafe’ surveys**  
  L. Bonomo; Rome/IT

- **Integration of the ‘EuroSafe Imaging Clinical Audit Pack’ in imaging departments**  
  B.E. Kelly; Belfast/UK

- **Benchmarking: why, how and when?**  
  J. Hakumäki; Kuopio/FI

- **The value of achieving star status**  
  D. Akata; Ankara/TR

- **How to improve the EuroSafe imaging stars concept?**  
  L. Donoso; Barcelona/ES

- **Improving the integration of radiation protection in the clinical setting**  
  G. Frija; Paris/FR

This session is part of the EuroSafe Imaging campaign.

**Friday, March 3, 14:00–15:30, Room A**

**Image Interpretation Quiz (IIQ)**

**There’s a patient behind every interesting case**

- **Moderator:** J.M. García Santos; Murcia/ES

- **Panellists:**
  - **Musculoskeletal:** N.N.  
    A. Blum; Nancy/FR
  - **Thorax:** N.N.  
    N. Sverzellati; Parma/IT
  - **Abdomen:**  
    A. Torregrosa Andrés; Valencia/ES  
    I. Santiago; Lisbon/PT
  - **Neuro:**  
    K.-O. Løvblad; Geneva/CH  
    I.N. Pronin; Moscow/RU

**Saturday, March 4, 12:55–13:55, Room A**

**Junior Image Interpretation Quiz (JI IQ)**

**Building our youth for the future**

- **Moderator:** A. Snoeckx; Antwerp/BE

= Interactive session with electronic voting/self assessment
PROFESSIONAL ISSUES AND ECONOMICS IN RADIOLOGY (PIER) SESSIONS

3 March  
Friday, March 3, 10:30–12:00, Room M 2

PIER Session 1  Improving efficiency in radiology departments

Moderators: J.A. Brink; Boston, MA/US  
S. Morozov; Moscow/RU

A. How to identify radiology productivity bottlenecks?  
S. Morozov; Moscow/RU

B. How to optimise radiology with big data: Medical Analytics Group (MAG) project  
O.S. Pianykh; Newton Highlands, MA/US

C. How to implement system changes?  
G. Paulo; Coimbra/PT

D. Making the business case for patient-centred imaging care  
N.N.

» Panel discussion

3 March  
Friday, March 3, 16:00–17:30, Room M 2

PIER Session 3  Tailoring radiology departments towards patients’ needs

Moderators: C.D. Becker; Geneva/CH  
H. Hricak; New York, NY/US

A. Visibility of radiology  
N.H. Strickland; London/UK

B. Outsourcing in radiology: costs and quality matters  
A. Giovagnoni; Ancona/IT

C. Demonstrating the added value of the radiologist: the European approach  
P.M.A. van Ooijen; Groningen/NL

D. Demonstrating the added value of the radiologist: the US/Canadian approach  
G. McGinty; New York, NY/US

» Panel discussion

3 March  
Friday, March 3, 14:00–15:30, Room M 2

PIER Session 2  Perspectives on radiology equipment management

Moderators: B. Brkljačić; Zagreb/HR  
P. Leander; Malmö/SE

A. Renewal of equipment and procurement: central vs local procedures  
B. Brkljačić; Zagreb/HR

B. Utilisation of equipment: what is appropriate? The public healthcare system’s perspective  
P. Leander; Malmö/SE

C. Utilisation of equipment: what is appropriate? The private healthcare system’s perspective  
A. Palkó; Szeged/HU

D. Radiology: a cost factor? The hospital manager’s perspective  
P. Garel; Brussels/BE

» Panel discussion
JOINT SESSIONS WITH RELATED SOCIETIES

Thursday, March 2, 16:00–17:30, Room X

Joint Session of the ESR and EORTC
(European Organisation for Research and Treatment of Cancer)

Imaging biomarker and education for multicentre clinical oncological trials

Moderators: N.M. deSouza; Sutton/UK
Y. Liu; Brussels/BE

- Imaging as primary endpoint in clinical trials: perspective of the EORTC
Y. Liu; Brussels/BE
- Imaging biomarker for clinical trials in brain tumours
M. Smits; Rotterdam/NL
- The importance of collaboration between the European Initiative on Biomarkers Alliance (EIBALL) and EORTC
S. Trattnig; Vienna/AT
- Training possibilities for radiologists involved in clinical multicity centre trials
L.S. Fournier; Paris/FR

Thursday, March 2, 14:00–15:30, Studio 2017

Joint Session of the ESR and ERS
(European Respiratory Society)

Novel strategies in idiopathic interstitial pneumonia

Moderators: K.M. Antoniou; Iraklion/GR
C.M. Schaefer-Prokop; Amersfoort/NL

- Updated clinical practice guidelines for classification
A.U. Wells; London/UK
- CT patterns for classification
N. Sverzellati; Parma/IT
- Updated clinical practice guidelines for treatment
V. Poletti; Forlì/IT
- CT and MRI for monitoring therapy response and inflammatory activity
D.M. Hansell; London/UK

Friday, March 3, 14:00–15:30, Room M 4

Joint Session of the ESR and ESMRMB
(European Society for Magnetic Resonance in Medicine and Biology)

MR imaging biomarkers: what we have and what we need

Moderators: D. Sappey-Marinier; Lyon/FR
M. Smits; Rotterdam/NL

- Preclinical MRI: multimodal markers for neuroscience drug discovery?
M. von Kienlin; Basle/CH
- Clinical MRI: whole-body markers for cancer detection/response
F. De Keyzer; Leuven/BE
- Molecular MRI: where are the limits for MRI biomarkers?
L. Schröder; Berlin/DE

Friday, March 3, 08:30–10:00, Room X

Joint Session of the ESR and ESTRO
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Friday, March 3, 14:00–15:30, Room M 4

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Moderators: D. Sappey-Marinier; Lyon/FR
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- Preclinical MRI: multimodal markers for neuroscience drug discovery?
M. von Kienlin; Basle/CH
- Clinical MRI: whole-body markers for cancer detection/response
F. De Keyzer; Leuven/BE
- Molecular MRI: where are the limits for MRI biomarkers?
L. Schröder; Berlin/DE

= Interactive session with electronic voting/self assessment
JOINT SESSIONS WITH RELATED SOCIETIES

3 March  | Friday, March 3, 16:00–17:30, Room M 5
Joint Session of the ESR and the EANM (European Association of Nuclear Medicine)
Common diagnostic guidelines on diabetic foot, osteomyelitis and prosthetic joint infection
Moderators: V.N. Cassar-Pullicino; Oswestry/UK
A. Signore; Rome/IT
» Guidelines on diabetic foot complications
A. Leone; Rome/IT
R.M. Chakravartty; London/UK
» Guidelines on osteomyelitis
L.M. Sconfienza; San Donato Milanese/IT
A. Glaudemans; Groningen/NL
» Guidelines on prosthetic joint infection
L.M. Sconfienza; San Donato Milanese/IT
A. Signore; Rome/IT

3 March  | Friday, March 3, 08:30–10:00, Room Z
Joint Session of the ESR Working Group on Ultrasound with EFSUMB (European Federation of Societies for Ultrasound in Medicine and Biology)
Hand held devices: a game changer?
» Chairmen’s introduction
M. Claudon; Vandoeuvre-les-Nancy FR
P.S. Sidhu; London/UK
» Reviewing the market
M. Bachmann Nielsen; Copenhagen/DK
» Who can use the equipment and reimbursement
R. Flesland Havre; Bergen/NO
» Appropriate training
H. Prosch; Vienna/AT
» Ultrasound to train students
V. Cantisani; Rome/IT
» Panel discussion: Hand held devices - should we be happy or concerned?

1 March  | Wednesday, March 1, 16:00–17:30, Room L 8
Joint Session of the ESR and UEMS (European Union of Medical Specialists)
ESR and UEMS: a strong professional partnership
» Chairmen’s introduction
L. Bonomo; Rome/IT
P. Ricci; Rome/IT
» Structure of the UEMS and position of the UEMS within EU
B. Maillet; Brussels/BE
» Harmonising radiology training in Europe
P. Ricci; Rome/IT
L. Oleaga Zufiría; Barcelona/ES
» Recognition of qualifications
N.N.
E.J. Adam; London/UK
» Continuing professional development (CPD)
M. Adriaensen; Heerlen/NL
D. Negru; Iasi/RO
» Questions
SATELLITE SYMPOSIA

Industrial Satellite Symposia are organised by various international companies. These sessions are a chance to get an industry perspective on various scientific subjects, including technical updates, emerging trends and future innovations.

The symposia vary in length from one hour to 90 minutes, with the number of speakers also differing between companies and subjects.

Places are allocated on a first-come, first-served basis.

SATELLITE SYMPOSIA ORGANISED BY

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Programmes to be announced.
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Intensive practical sessions organised directly by a particular company or commercial vendor. Classes are conducted on their own state-of-the-art workstations with expert technical support provided by company staff. Participants have the opportunity to learn from experts about using computers and medical devices in the field of radiology and gain first-hand knowledge.

As a registered attendee for the ECR, participation is free of charge.

INDUSTRY WORKSHOPS ORGANISED BY

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Programmes to be announced.
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**President of the preceding congress** ........................................................................ K. Riklund; Umeå/SE

**ESR Executive Director** ........................................................................................... P. Baierl; Vienna/AT

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**E3 - EUROPEAN EXCELLENCE IN EDUCATION**

**E3 - Rising Stars Programme**
M. Szczerbo-Trojanowska; Lublin/PL  
Joint Sessions of the ESR and ESOR (European School of Radiology)  
(N. Gourtsoyiannis; Athens/GR  
Case-Based Diagnosis Training: S. Robinson; Vienna/AT  
K.M. Friedrich; Vienna/AT

**E3 - European Diploma Prep Sessions**
B. Ertl-Wagner; Munich/DE

**E3 - The Beauty of Basic Knowledge**
A Survival Guide to Musculoskeletal Imaging: V. Cassar-Pullicino; Oswestry/UK  
Chest Imaging: N. Howarth; Chêne-Bougeries/CH

**E3 - ECR Academies**
Tips and Tricks in Liver, Bile Ducts and Pancreas Imaging: Y. Menu; Paris/FR  
Spinal Imaging: E. Llopis; Valencia/ES, L. van den Hauwe; Antwerp/BE  
Multiparametric Ultrasound (MPUS): G.H. Mostbeck; Vienna/AT  
Neuroradiology: from Morphology to Function: P.M. Parizel; Antwerp/BE  
Interactive Teaching Sessions for Young (and not so Young) Radiologists: M.G. Mack; Munich/DE

**E3 - Master Classes**
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Cardiac (ESCR): K. Nikolaou; Tübingen/DE  
Chest (ESTI): A.R. Larici; Rome/IT  
Molecular Imaging (ESMOFIR): F.A. Gallagher; Cambridge/UK  
Genitourinary (ESUR): J. Venancio; Lisbon/PT  
Head and Neck (ESHNR): A. Trojanowska; Lublin/PL  
Interventional Radiology (CIRSE): A. Basile; Catania/IT  
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**MINI COURSE**

**Joint Course of ESR and RSNA**  
(Radiological Society of North America): Hybrid Imaging  
A. Drzezga; Cologne/DE  
K. Riklund; Umeå/SE

**MULTIDISCIPLINARY SESSIONS**

Bone tumours: A.M. Davies; Birmingham/UK  
Virtual autopsy imaging the role of pathologist vs radiologist: one big happy family?: C. Owens; London/UK  
Brain malfunction: MRI and PET in the diagnosis of psychiatric disorders: T.A. Yousry; London/UK  
Transcatheter aortic valve implantation: A. Cribier; Rouen/FR

**PROS AND CONS SESSION**

Providing an effective ultrasound service: how and by whom?: L. Derchi; Genoa/IT  
V. Gibbs; Bristol/UK

**CLINICAL TRIALS IN RADIOLOGY**

M. Dewey; Berlin/DE