ECR 2015 will be a green meeting designed to meet environmental sustainability criteria set by the Österreichisches Umweltzeichen (Austria’s national eco-friendly certificate).

Coordination
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
Art Direction: Petra Mühlmann, Andreas Diesenreiter
Design & Layout: Robert Punz (zerozero.graphicdesign), Barbara Biegő

Photo Credits: Unless otherwise indicated all pictures
© ESR – European Society of Radiology
Table of Contents

General Information
ECR 2015 Timeline .................................. 4
Registration Information .......................... 5
Timetable ........................................... 6
Foreword by the ESR President .................. 8
Foreword by the ECR President ................. 10
ESR Dignitaries .................................... 16
Scientific Programme
Headline Sessions .................................. 14
ESR/EFRS meets Sessions ......................... 19
New Horizons Sessions ............................ 25
State of the Art Symposia ......................... 27
Special Focus Sessions ............................. 29
Professional Challenges Sessions ................. 33
Multidisciplinary Sessions ......................... 37
European Excellence in Education (E³) ............ 39
  Rising Stars Programme .......................... 43
  The Beauty of Basic Knowledge ................. 47
European Diploma Prep Sessions .................. 49
ECR Academies ..................................... 51
ECR Master Classes ................................ 59
Mini Course ....................................... 63
Pros & Cons Session ............................... 65
Multimedia Classroom ............................. 67
Refresher Courses .................................. 69
Abdominal and Gastrointestinal .................. 70
Breast .............................................. 72
Cardiac ............................................. 74
Chest ................................................. 76
Computer Applications ............................ 78
Molecular Imaging .................................. 79
Genitourinary ....................................... 80
Head and Neck .................................... 82
Interventional Radiology ......................... 83
Musculoskeletal .................................... 85
Neuro .............................................. 87
Paediatric .......................................... 89
Physics in Radiology ............................... 90
Radiographers ..................................... 91
Vascular ............................................ 93
Oncologic Imaging ................................ 94
Emergency Radiology ............................. 95
Joint Sessions ..................................... 97
East meets west at ECR 2015 ..................... 22
Streamlined structure brings clarity to education at ECR 2015 .................. 40
ESR Executive Council ............................ 114
ECR 2015 Committees ............................. 115
ECR 2015 Topic Coordinators .................... 119

Industry Programme
Satellite Symposia .................................. 105
Industry Workshops ............................... 111

Please note that sessions are marked with a logo to indicate their classification according to the European Training Curriculum.

LEVEL I First three years of training
LEVEL II Fourth and fifth years of training
  (general radiologist standard)
LEVEL II Subspecialty training standard
### General Information

**ECR 2015 Timeline**

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>From August 28, 2014</td>
<td>Online Registration Open</td>
</tr>
<tr>
<td>August 2014 – January 8, 2015</td>
<td>Poster Upload to EPOS™ (for Accepted Exhibits)</td>
</tr>
<tr>
<td>November 10 – December 15, 2014</td>
<td>Late-Breaking Clinical Trials Submission</td>
</tr>
<tr>
<td>December 2014</td>
<td>Notification of Paper Abstract Acceptance (Oral Presentations)</td>
</tr>
<tr>
<td>March 4–8, 2015</td>
<td>ECR 2015 NEW: Wednesday to Sunday</td>
</tr>
</tbody>
</table>

**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 of scientific activity attendance is 40. Please note that this number may differ from the maximum number of credits your national jurisdiction approves for your continuous medical education.

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

**Facts & Figures 2014**

- 23,484 Participants
- 3,474 registered ECR Live viewers
- 130 Countries
- 302 Scientific and Educational Sessions
- 3,000 Scientific and Educational Exhibits
- 1,070 Scientific Papers
- 780 Invited Lectures
- Fully Electronic Scientific Exhibition
- Industrial Exhibition
- 305 exhibitors from 43 countries
- 26,000 m²

### Scientific and Educational Programme

- 3 Honorary Lectures
- 4 ESR meets Sessions
- 1 EFRS meets Session
- 2 Image Interpretation Quizzes
- 3 New Horizons Sessions
- 3 State of the Art Symposia
- 16 Special Focus Sessions
- 9 Professional Challenges Sessions
- 3 Multidisciplinary Sessions
- NEW: E³ – European Excellence in Education  
  Rising Stars Programme for Residents & Students  
  Case-Based Diagnosis Training  
  Radiology Trainees Forum Programme  
  Basic Sessions  
- 10 The Beauty of Basic Knowledge Sessions
- 6 European Diploma Prep Sessions
- 38 ECR Academies Sessions
- 14 ECR Master Classes
- NEW: 1 Pros & Cons Session
- 1 Mini Course (4 Sessions)
- 1 ESDR Session
- 1 EDIR Session
- 1 EFOMP Workshop
- 6 Joint Sessions with related societies (EFSUMB, ECRTC, ERS, ESRMNB, ESTRO)
- 3 EIBIR Sessions
- 2 MIR @ ECR Sessions
- 8 Multimedia Classroom Sessions
- 2 Patient Advisory Group for Medical Imaging Sessions
- 1 ESR Research Education Working Group Session

From August 28, 2014  
Online Registration Open  
August 2014 – January 8, 2015  
Poster Upload to EPOS™ (for Accepted Exhibits)  
November 10 – December 15, 2014  
Late-Breaking Clinical Trials Submission  
December 2014  
Notification of Paper Abstract Acceptance (Oral Presentations)  
March 4–8, 2015  
ECR 2015 NEW: Wednesday to Sunday
## Registration Fees (including 10% VAT):

<table>
<thead>
<tr>
<th>Category</th>
<th>Middle Fee</th>
<th>Late Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Fee Non-Member</td>
<td>€ 890</td>
<td>€ 995</td>
</tr>
<tr>
<td>ESR Full Member</td>
<td>€ 550</td>
<td>€ 695</td>
</tr>
<tr>
<td>ESR Allied Science Member</td>
<td>€ 670</td>
<td>€ 895</td>
</tr>
<tr>
<td>ESR Corresponding Member</td>
<td>€ 670</td>
<td>€ 895</td>
</tr>
<tr>
<td>Resident Non-Member</td>
<td>€ 435</td>
<td>€ 590</td>
</tr>
<tr>
<td>Resident Member</td>
<td>€ 365</td>
<td>€ 490</td>
</tr>
<tr>
<td>Hospital Manager</td>
<td>€ 680</td>
<td>€ 900</td>
</tr>
<tr>
<td>Nurse</td>
<td>€ 310</td>
<td>€ 450</td>
</tr>
<tr>
<td>Radiographer Non-Member</td>
<td>€ 410</td>
<td>€ 550</td>
</tr>
<tr>
<td>Radiographer Member</td>
<td>€ 310</td>
<td>€ 450</td>
</tr>
<tr>
<td>Participate from home*</td>
<td>€ 330</td>
<td>€ 330</td>
</tr>
<tr>
<td>Oral Presenter Member</td>
<td>€ 250</td>
<td>–</td>
</tr>
<tr>
<td>Single Day Ticket</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Student@ECR</strong></td>
<td>€ 40</td>
<td>€ 40</td>
</tr>
</tbody>
</table>

### Registration as Member

In order to qualify for reduced member registration fees for ECR 2015, ESR Membership for the year 2014 must have been settled and approved by August 27, 2014. All other participants must register as non-members.

### *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.

### **Students**

Under the age of 30, who do not yet have an academic degree, can register for just € 40.

### ECR Registration Deadlines

<table>
<thead>
<tr>
<th>Category</th>
<th>Middle Fee</th>
<th>Late Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>November 13 – December 17, 2014</td>
<td>from December 18, 2014 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/registration2015](http://www.myESR.org/registration2015) or contact registration@myESR.org.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>E³ - ECR Academy E³ 121 Special Focus Sessions SF 1a, SF 1b, SF 1c Refresher Courses (100)</td>
</tr>
<tr>
<td>09:00</td>
<td>E³ - ECR Academy E³ 221 Scientific Sessions (200) Siemens Healthcare and Bayer HealthCare Joint Symposium - Breast Care Day</td>
</tr>
<tr>
<td>09:30</td>
<td>E³ - ECR Academy E³ 620, E³ 621 E³ - Rising Stars Programme Basic Session 2 Scientific Sessions (600) Multimedia Classroom MM 6 Joint Course: ESR/RSNA MC 628</td>
</tr>
<tr>
<td>10:00</td>
<td>E³ - The Beauty of Basic Knowledge E³ 24A, E³ 25A Siemens Healthcare and Bayer HealthCare Joint Symposium - Breast Care Day SuperSonic Imagine Symposium Bayer HealthCare Symposium</td>
</tr>
<tr>
<td>11:00</td>
<td>Wilhelm Conrad Röntgen Honorary Lecture Gerald Antoch; DE E³ - The Beauty of Basic Knowledge E³ 24C, E³ 25C MIR @ ECR Toshiba Medical Systems Symposium Samsung Symposium Philips Symposium Hitachi Medical Systems Symposium Bracco Symposium Bayer HealthCare and Siemens Healthcare Joint Symposium Guerbet Symposium GE Healthcare Symposium</td>
</tr>
</tbody>
</table>
### Timetable

#### General Information

**Scientific Sessions (300)**
- Siemens Healthcare Symposium - Breast Care Day

**Timetable**

<table>
<thead>
<tr>
<th>Time</th>
<th>Scientific Sessions</th>
<th>E³ - ECR Academy</th>
<th>E³ - ECR Academies</th>
<th>Professional Challenges Sessions</th>
<th>Refresher Courses (400)</th>
<th>Siemens Healthcare Symposium - Breast Care Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>14:30</td>
<td>15:00</td>
<td>16:45</td>
<td>17:00</td>
<td>17:45</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td>14:00</td>
<td>14:30</td>
<td>15:00</td>
<td>16:45</td>
<td>17:00</td>
<td>17:45</td>
<td>Presentation of Honorary Members:</td>
</tr>
<tr>
<td>14:00</td>
<td>14:30</td>
<td>15:00</td>
<td>16:45</td>
<td>17:00</td>
<td>17:45</td>
<td>N. Reed Dunnick; US</td>
</tr>
<tr>
<td>14:00</td>
<td>14:30</td>
<td>15:00</td>
<td>16:45</td>
<td>17:00</td>
<td>17:45</td>
<td>Tae-Hwan Lim; KR</td>
</tr>
<tr>
<td>14:00</td>
<td>14:30</td>
<td>15:00</td>
<td>16:45</td>
<td>17:00</td>
<td>17:45</td>
<td>Anne G. Osborn; US</td>
</tr>
</tbody>
</table>

**Scientific Sessions (700)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1900)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1500)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1200)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (800)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (400)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1200)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1500)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728

**Scientific Sessions (1600)**
- Siemens Healthcare Symposium - Breast Care Day
- E³ - ECR Academies
- E³ - Rising Stars Programme
- Student Session 1
- Scientific Sessions
- Multimedia Classroom MM 7
- ESOR Session
- EuroSafe Imaging Session
- EIBIR Session
- Joint Course: ESR/RSNA MC 728
Dear ESR Members & Colleagues,

As you know, for the European Society of Radiology (ESR), the year doesn't really start in January, but in March, at our annual meeting, the European Congress of Radiology (ECR). It is at the congress that new presidents, council members and committee chairs all take office; new rules and statutes come into effect; and new aims and objectives are set out. We start in March with a clear cycle in our minds, with the following year’s congress at the end of it. As I write this, we are a little over half way through the tenth ‘ESR year’ since the society began, and I am pleased to say it has been another busy and successful one for the ESR, as well as a very interesting and fulfilling one for me personally. There is much more to come, but I am already looking forward to the highlight at the end of it: ECR 2015.

In many ways, this has been a year of big numbers. The ESR has hit a record high in the number of Institutional Member Societies (44); our flagship journal *European Radiology* has achieved its highest Impact Factor ever (4.338); and most significantly the number of individual ESR members has climbed to 62,793. We reached this peak in August after passing the 60,000 mark in June for the first time in the society’s history, consolidating our status as the largest radiological society in the world. Considering the young age of the organisation this is a remarkable achievement and a fantastic reflection of all the hard work that has gone into building the ESR. The society had just 10,000 members in 2007, but the introduction that year of our low-cost membership fee and the provision of so many useful benefits to members has seen this number grow and grow. I look forward to seeing how much further it can go.

Looking further back, another high figure this year was the 3,474 people who were able to enjoy ECR 2014 thanks to the expansion of our online streaming service ECR Live. The concept was introduced at ECR 2012 (of which I had the honour of being Congress President) and has grown rapidly in the two years since, attracting ever growing numbers of attendees. At ECR 2015, nearly every lecture will be broadcast live and made available to watch on demand afterwards. As you browse through this programme, I would like you to consider not only which sessions you might attend, but also which ones you will make a note to watch afterwards, and which of them you could recommend to colleagues who may not be attending in person.

The option of saving sessions to watch later is a long-awaited solution to a problem faced by many attendees over the years: that it is impossible to create the perfect schedule. There are so many lectures, courses and workshops worth attending that timetable clashes are inevitable, and ECR 2015 is, of course, no exception. You will not be able to attend both the Nikola Tesla Honorary Lecture on brain tumours and the Junior Image Interpretation Quiz; you can’t possibly get to all of the EuroSafe Imaging sessions and every EIBIR session too; and if you attend all the student sessions, you will sadly miss out on ESR meets Germany. In previous years this would just have been bad luck, but now you can watch every one of these highlights at your own convenience.

The ECR is always a wonderful event, but it is made extra special this year by marking the 10th anniversary of the European Society of Radiology. Although the history of the ECR is much longer than that of the ESR, these two pillars of the radiological landscape are obviously very closely related, and it was natural that the ECR, as Europe’s largest imaging meeting, would be the annual meeting of the ESR when the society was founded in 2005.
Foreword by the ESR President

Prof. Lorenzo Bonomo is chairman of the Department of Radiological Sciences and Bioimaging at the Catholic University of Rome, A. Gemelli Hospital, Italy.

The ESR has taken enormous strides since then, growing to become the largest community of imaging professionals in the world. Likewise, the ECR has evolved too, into a global event that attracts attendees – and more recently, viewers – from every corner of the globe. It is often said that the ESR was formed to create a single house for radiology in Europe, and the ECR has always been the home of radiology in Europe, so it is perfectly fitting that our celebration of the society’s first decade should take place in Vienna.

Prof. Bernd Hamm has done an exceptional job in creating a programme to suit the occasion, with some excellent innovations. The restructuring of the session categories according to the European Training Curriculum for Radiology, which you can read all about later in this publication, is an important change, which makes the programme easier to navigate and improves synergy with all the ESR’s other educational activities. The increase in the number of slots for scientific sessions and the introduction of online voting to determine best paper awards are also excellent steps, both of which emphasise the fact that the ECR is driven by its own community.

Personally, I am very much looking forward to coming back to Vienna, a city rich with tradition and culture, to celebrate our own history and delve deep into our discipline once again.

Best wishes,
Lorenzo Bonomo
ESR President
Dear Colleagues, dear Friends,

It is a great personal pleasure for me to be able to present to you this Preliminary Programme for the European Congress of Radiology (ECR) 2015. The programme itself has been almost two years in the making and has involved input from a great many people, all of whom share the credit for what will form the structure of an excellent congress. I would like to thank everyone on the ECR 2015 Congress Committee, the Programme Planning Committee, the chairs and members of the Scientific Committee, and of course, the staff at the ESR Office in Vienna, for their exemplary support.

One very special aspect of this congress is that we will be celebrating the 10th anniversary of the European Society of Radiology (ESR), which superseded the European Association of Radiology in 2005. The international reputation of the ECR, which has existed for far longer than the ESR, was crucial for founding the new society and helped bring radiological activities in Europe under a common roof – the ESR. The establishment of the ESR brought a much needed unity to radiology in Europe, which has led to great improvements in the benefits available to imaging professionals and trainees, including the huge educational and scientific opportunity offered by the ECR. This strength in unity and the fact that the ECR brings together radiologists from so many nations across the globe are reflected in the motto for ECR 2015: radiology without borders.

This ECR, like every one before it, will include its share of innovations, but this year some of them go right to the heart of the programme. The tradition of quality and the level of scientific excellence will, of course, be maintained, but the structure has undergone some fundamental changes that will make the meeting more transparent and navigable.

So many new types of sessions have been added in recent years, that it has not always been easy for participants to find the sessions that interest them and put together a clear personal schedule. With the exception of the Refresher Courses, most courses in the educational programme will now fall under the banner of E³ – European Excellence in Education. These courses are now organised according to the different levels of the European Training Curriculum for Radiology, providing a well-structured teaching programme for medical students, trainee radiographers, residents, general radiologists and subspecialty experts. In addition, this new structure will help the speakers to better focus on the needs of the audience they are talking to. However, every session will be open to anybody interested in attending. You can read about this new structure in detail on pages 34–36.

Despite this reorganisation, the congress will, of course, still bear many features that make it so familiar to participants. The ‘ESR meets‘ sessions are among the highlights of every ECR and this year will surely be no exception.
On a personal level, I am proud to be welcoming my compatriots from the German Radiological Society as an official guest society, but I am equally delighted to welcome representatives from both the Turkish Society of Radiology and the Korean Society of Radiology to present their respective nations’ achievements in the field. We will all get a chance to experience something of the culture of these three countries, and I am sure this special east-to-west spread will add a particularly interesting element to the programme.

In addition to the three guest nations, the ESR will again meet another partner discipline – this time the European Association of Urology. It will be an honour to receive our colleagues from urology at ECR 2015, and I am sure that our joint session on prostate cancer will be very well attended, featuring as it will some of Europe’s leading authorities on urological practice and research.

As you browse through this programme you will notice that the EAU is far from the only society with whom we will co-host at the congress. The ESR has also organised joint sessions in cooperation with various other organisations, including the European Respiratory Society (ERS); the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB); the European Society for Radiotherapy and Oncology (ESTRO); the European Organisation for Research and Treatment of Cancer (EORTC); the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB); and the Radiological Society of North America (RSNA), making ECR 2015 one of the most collaborative meetings the ESR has ever held.

Bernd Hamm is professor of radiology and chairman of all three merged departments of radiology at the Charité, Humboldt-Universität zu Berlin and Freie Universität (Campus Mitte, Campus Virchow-Klinikum, and Campus Benjamin Franklin). He is also clinical director of four outpatient service facilities in nuclear medicine and radiology at the Charité, as well as scientific and clinical chairman of three imaging centres in Berlin.
Of course, the European Federation of Radiographer Societies will also play a large role at the congress, with several sessions again planned especially for radiographers, including the ‘EFRS meets Germany’ session, which will see top radiographers from my homeland giving insight into their clinical and research work with high-end and hybrid technology.

Lastly, two very important features of the congress that are not directly to do with the programme must be mentioned; firstly the European Diploma in Radiology (EDiR). Examinations for the EDiR have been taking place at the ECR for the last few years, as well as at various other congresses, as the diploma grows in popularity. I am very pleased that ECR 2015 will play host to the largest diploma examination that has taken place so far, with 200 places available for candidates, all of whom will also receive free congress registration if they apply before December 6.

The second thing is ECR Live, the wonderful portal through which the congress will be broadcast all over the world to anyone who is unable to attend in person. This feature has been developed with great care over the last few years and is well on the way to becoming an established part of the congress. With the introduction of the ECR On Demand element last year – by which videos of sessions can be viewed not only live, but after they have finished – this service became even more comprehensive.

Please inform your colleagues who might be unable to come to Vienna about this opportunity.

The exciting fact is that whatever your plans are for March, the programme in your hands right now offers you a guide to what you will be able to see, both here in Vienna in person and online from the comfort of your own home. But I must say that I heartily recommend the trip. There is nothing quite like the experience of mingling with so many of your colleagues in the Austria Center Vienna, soaking up the atmosphere, or enjoying the marvellous cultural and culinary delights of Vienna ... and sharing the advantages of ‘radiology without borders’!

However you choose to experience the programme in March, I do hope you enjoy it, and I look forward to welcoming you to ECR 2015.

With best regards,
Bernd Hamm
ECR 2015 Congress President
Headline Sessions
OPENING CEREMONY
Wednesday, March 4, 17:45–19:00, Room A
Lorenzo Bonomo; Rome/IT
ESR President
Bernd Hamm; Berlin/DE
ECR 2015 Congress President

JOSEF LISSNER HONORARY LECTURE
Thursday, March 5, 12:15–12:45, Room A
Is the ‘Art of Medicine’ dead in the era of population health management?

WILHELM CONRAD RÖNTGEN HONORARY LECTURE
Friday, March 6, 12:15–12:45, Room A
Hybrid imaging: let the two worlds of radiology and nuclear medicine come together

NIKOLA TESLA HONORARY LECTURE
Saturday, March 7, 12:15–12:45, Room A
Brain tumour update 2015: What’s new and why you should care

IMAGE INTERPRETATION QUIZ
COUPLES FOR EUROPE
Friday, March 6, 14:00–15:30, Room A
Moderator: Cornelia M. Schaefer-Prokop; Amersfoort/NL

JUNIOR IMAGE INTERPRETATION QUIZ
BATTLE FOR THE AUDIENCE
Saturday, March 7, 13:00–14:00, Room A
Moderator: Marc Dewey; Berlin/DE
Dignitaries to be honoured at ECR 2015

N. Reed Dunnick
Ann Arbor, MI/US
Honorary Member

Tae-Hwan Lim
Seoul/KR
Honorary Member

Anne G. Osborn
Salt Lake City, UT/US
Honorary Member & Honorary Lecturer

N. Reed Dunnick is the Fred Jenner Hodges Professor of Radiology and chair of the department of radiology at the University of Michigan Health System in Ann Arbor. He served as the 2014 president of the Radiological Society of North America.

With a medical degree from Cornell University, Prof. Dunnick spent two years in internal medicine at Strong Memorial Hospital in New York. He became assistant professor at Stanford in 1976, and later that year he went to work at the National Institutes of Health. He also worked at Duke University Medical Center where he served as chief of uro radiology and director of diagnostic imaging before accepting his current post in Michigan.

A former president of the Academy for Radiology Research, Prof. Dunnick testified before the US Congress on the need to establish a new institute, which was signed into law in 2000 as the National Institute of Biomedical Imaging and Bioengineering.

Prof. Dunnick has written 310 scientific papers, 62 book chapters and ten books. He has also served as a visiting professor at many institutions around the world.

During his career, Prof. Dunnick has received a great number of awards and honours. At ECR 2015 he will receive Honorary Membership of the European Society of Radiology.

Tae-Hwan Lim is professor of radiology at the University of Ulsan College of Medicine and a radiologist at the Asan Medical Center’s department of radiology in Seoul, Korea.

Prof. Lim received his medical degree from Seoul National University, where he also earned a Master of Science degree in 1981 and a Ph.D. in 1987. He worked as an intern and resident at Seoul National University Hospital and served as director of radiology at two Korean Armed Forces hospitals before becoming a staff radiologist at Inha General Hospital in Incheon. He was director of the NMR laboratory at the Asan Institute for Life Sciences and also served as chairman of the department of radiology at Asan Medical Center until 2000.

A major figure in promoting and developing training in MR and CT in Korea, Prof. Lim founded the Asian Society of Cardiovascular Imaging in 2007.

Prof. Lim has published 108 scientific papers in Korea, as well as 113 papers in international journals. At ECR 2015, he will receive Honorary Membership of the European Society of Radiology.

Anne G. Osborn is Distinguished Professor of Radiology at the University Of Utah School of Medicine in Salt Lake City. She also holds the William H. and Patricia W. Child Presidential Chair in Radiology at the University of Utah.

Prof. Osborn received her Bachelor’s degree and her Medical degree from Stanford University in California, where she also completed her residency. She later worked at the University of Utah School of Medicine and also served as a visiting professor at many prestigious medical institutions.

A renowned neuroradiologist and the first woman to be elected president of the American Society of Neuroradiology, Prof. Osborn has authored several texts considered to be definitive references in her field. Her latest comprehensive textbook, Osborn’s Brain, won the 2013 American Medical Writers Association award for Best Book Written by a Physician.

In November, 2000, she was named the first-ever recipient of the RSNA’s Outstanding Educator Award. She has also received gold medal awards from many radiological societies around the world. At ECR 2015, she will receive Honorary Membership of the European Society of Radiology and deliver the Nikola Tesla Honorary Lecture entitled, ‘Brain tumour update 2015: What’s new and why you should care’.

Anne G. Osborn
Salt Lake City, UT/US
Honorary Member & Honorary Lecturer
Claus D. Claussen is a radiologist at the department of radiology at University Hospital Tübingen in Germany. He is also director of metabolic imaging at the German Diabetes Center in Tübingen. After graduating from the University of Heidelberg with a degree in medicine Prof. Claussen also completed his residency there. He later worked at the Charlottenburg Clinical Center (now part of the Charité) in Berlin and was promoted to professor of radiology in 1986. He moved to the University of Tübingen in 1988 and served as chairman and professor of radiology until 2014.

Prof. Claussen has been involved in the development of hybrid PET/MRI imaging and he has published in a large range of highly regarded scientific journals. As a former president of the German Radiological Society, Prof. Claussen is a supporter of international cooperation, and he has been chairman of the ESR’s Ethical Compliance Subcommittee since 2010. In recognition of his work, Prof. Claussen has received numerous awards and honours from many societies. At ECR 2015 he will receive the Gold Medal of the European Society of Radiology.

Yves Menu is professor of radiology and chairman of the department of radiology at Saint Antoine Hospital, Pierre & Marie Curie University in Paris, France. Prof. Menu graduated from the University of Paris IV Medical School in 1976, and began his residency in neurosurgery, endocrinology and radiology at the Assistance Publique Hôpitaux de Paris and University of Paris in 1977. He later worked at Beaujon Hospital, Bichat Hospital, and Bicêtre Hospital in Paris.

Prof. Menu’s main areas of interest are in the fields of gastrointestinal radiology, oncologic imaging, emergency radiology and musculoskeletal radiology. He has published 191 peer-reviewed articles, 19 book chapters and a book. He has also delivered 290 lectures, presentations and invited talks around the world. He was editor-in-chief of the Journal de Radiologie, the official journal of the French Society of Radiology, and he has served as reviewer for several other journals.

An active member of the ESR for many years, Prof. Menu served as president of ECR 2011 and served on the ESR’s Programme Planning Committee for a number of congresses. At ECR 2015, he will receive the Gold Medal of the European Society of Radiology.

András Palkó is chairman and head of the department of radiology at Szeged University Medical School. He is also editor-in-chief of the journal Magyar Radiológia. Prof. Palkó graduated from the University of Pécs Medical School in 1977 and became a board-certified radiologist in 1981. He has worked in Kuwait, the United States and Germany during his career. His main field of interest is abdominal-gastrointestinal radiology, with a special emphasis on oncologic and emergency imaging.

An active member of the ESR for many years, Prof. Palkó has served on the ESR Board of Directors and as its president in 2012. He is currently secretary-general of the European Society of Abdominal and Gastrointestinal Radiology.

Prof. Palkó has published 91 peer-reviewed articles and 31 book chapters. He has also delivered more than 200 invited lectures around the world. He has received widespread recognition for his work, having been awarded honorary membership by the French, Irish, Polish, Romanian, and Serbian radiological societies, as well as the Radiological Society of North America. At ECR 2015, he will receive the Gold Medal of the European Society of Radiology.
Gerald Antoch
Düsseldorf/DE
Honorary Lecturer

Gerald Antoch is professor of radiology and chairman of the department of diagnostic and interventional radiology at University Hospital Düsseldorf.

After completing his medical training, Prof. Antoch began working in the department of general surgery and trauma surgery at the Marien Hospital in Düsseldorf, Germany. He became a board certified radiologist in 2000. From 2004 to 2008, he worked as a consultant radiologist before assuming his current post in 2010.

Prof. Antoch’s scientific research focuses on hybrid imaging and interventional radiology. He has published 209 original scientific articles and reviews, as well as 20 book chapters. He has received widespread recognition for his work with a number of awards from societies in Germany and the US.

An active member of several scientific societies, including the German Radiological Society and the European Society of Radiology, Prof. Antoch also served on the ECR 2015 Programme Planning Committee. At ECR 2015, he will deliver the Wilhelm Conrad Röntgen Honorary Lecture entitled, ‘Hybrid imaging: let the two worlds of radiology and nuclear medicine come together’.

James A. Brink
Boston, MA/US
Honorary Lecturer

James A. Brink is radiologist-in-chief at Massachusetts General Hospital, Boston and Juan M. Taveras Professor of Radiology at Harvard Medical School, Cambridge, in the United States.

Prof. Brink worked as a resident and fellow at Massachusetts General Hospital, after receiving his medical degree from Indiana University. He worked at the Institute of Radiology at the Washington University School of Medicine in Seattle, before going to Yale University in 1997 and serving as chair of the department of diagnostic radiology department from 2006 to 2013. He is also a past president of the Radiological Society of North America.

A highly experienced clinical radiologist, Prof. Brink has a particular interest and expertise in issues related to the monitoring and control of medical radiation exposure and is currently co-chair of the Image Wisely campaign.

Prof. Brink has published 119 papers and 19 book chapters. He has also given 239 presentations. At ECR 2015, he will deliver the Josef Lissner Honorary Lecture entitled, ‘Is the ‘Art of Medicine’ dead in the era of population health management?’
ESR/EFRS meets Sessions

Once again, the ESR will welcome three countries and a partner discipline to share their expertise as part of the ‘ESR meets’ programme during ECR 2015, next March in Vienna.

The national radiological societies of Germany, the Republic of Korea, and Turkey, as well as the European Association of Urology (EAU), will present their most recent scientific developments in joint sessions, 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 their colleagues from Germany (German Association of Medical Technologists and Analysts).

Both the ESR and the EFRS warmly welcome these societies, and hope to see ECR delegates attend the sessions in large numbers.
6 March  Friday, March 6, 10:30–12:00, Room B  
**ESR meets Germany**

**EM 1**  Tradition goes digital: getting ready for the future  
Moderators: B. Hamm; Berlin/DE  
N. Hosten; Greifswald/DE

» Welcome by the ESR President  
L. Bonomo; Rome/IT

» Introduction  
N. Hosten; Greifswald/DE

» State-of-the-art teaching in German radiology: Akademie online  
M.G. Mack; Munich/DE

» Interlude I: Radiation protection: the concept of ‘justifying indication’  
R.W.R. Loose; Nürnberg/DE

» Population-based MRI: SHIP (study of health in Pomerania) and the national cohort  
K. Hegenscheid; Greifswald/DE

» Interlude II: The Röntgenhaus: Wilhelm Conrad Röntgen’s birthplace  
B. Lewerich; Berlin/DE

» MRI-PET: a new modality for clinical imaging  
C.D. Claussen; Tübingen/DE

» Panel discussion: Cross-linking radiology: opportunity or threat?

6 March  Friday, March 6, 10:30–12:00, Room B  
**ESR meets Germany**

**EM 2**  Joint ESR-EAU prostate cancer session  
Moderators: P.-A. Abrahamsson; Malmö/SE  
B. Hamm; Berlin/DE

» Welcome by the ESR President  
L. Bonomo; Rome/IT

» Introduction  
P.-A. Abrahamsson; Malmö/SE  
B. Hamm; Berlin/DE

» PSA screening: the EAU view  
P.-A. Abrahamsson; Malmö/SE

» Role of a multiparametric MRI in early detection  
G.M. Villeirs; Gent/BE

» Active surveillance strategies in prostate cancer  
A. Villers; Lille/FR

» Role of imaging in active surveillance  
A.R. Padhani; London/UK

» Panel discussion: When should MRI be used? Before or after prostate biopsy? Qualitative or quantitative MRI reading? Cost-effectiveness of mpMRI as a tool for prostate cancer screening. Can mpMRI detect clinically significant prostate cancer?
ESR/EFRS meets Sessions

Saturday, March 7, 10:30–12:00, Room B

ESR meets the Republic of Korea

**EM 3**  CT in lung cancer screening and COPD evaluation

Moderators: B. Hamm; Berlin/DE
T.-H. Lim; Seoul/KR

» Welcome by the ESR President
L. Bonomo; Rome/IT

» Introduction: Korean Society of Radiology - evolution and new challenges
T.-H. Lim; Seoul/KR

» Lung cancer screening in Korea
K.S. Lee; Seoul/KR

» Interlude: Republic of Korea (South Korea): Korean people and culture
J. Hur; Seoul/KR

» Computer-aided nodule detection and volumetry: role in lung cancer screening
J.M. Goo; Seoul/KR

» Interlude: Introduction of the Korean Society of Thoracic Radiology (KSTR)
J. Hur; Seoul/KR

» CT in COPD: now and future
J.B. Seo; Seoul/KR

» Panel discussion: Is CT an effective tool for management of lung cancer screening and COPD?

Sunday, March 8, 10:30–12:00, Room B

ESR meets Turkey

**EM 4**  Turkey welcomes ECR

Moderators: A. Coşkun; Kayseri/TR
B. Hamm; Berlin/DE

» Welcome by the ESR President
L. Bonomo; Rome/IT

» Introduction
A. Coşkun; Kayseri/TR

» Liver hydatid cysts: percutaneous treatment
O. Akhan; Ankara/TR

» Interlude I: Music show
İ. Barutçu; Trabzon/TR

» fMRI of the brain: beyond expectations?
C. Calli; Izmir/TR

» Interlude II: Music show
İ. Barutçu; Trabzon/TR

» Advanced hepatopancreaticobiliary imaging
Ş.M. Ertürk; Istanbul/TR

» Panel discussion
With its slogan ‘radiology without borders’, ECR 2015 embodies the spirit of European cooperation: bringing together imaging experts from all around the world to exchange and discuss the latest trends in their discipline. One of the best examples of ECR’s commitment to international collaboration is the ‘ESR meets’ programme, which invites three national radiological societies to present facts about imaging in their country, and a partner discipline to focus on its cooperation with radiology.

Germany, home to ECR President Prof. Bernd Hamm from Berlin, will kick off the programme on Friday with a session organised by the German Radiological Society (DRG) and entitled ‘Tradition goes digital: getting ready for the future’.

“This session will deal with changes facing radiologists as their world becomes digital; this does not refer to digital imaging modalities but rather to aspects of new options for radiologist training, population-based imaging and hybrid imaging techniques,” Prof. Hamm said.

“Today, in many areas of life, digitisation is the most important trend. Radiology, due to its everyday use of technology, is at the forefront of medical specialties in this respect. Digitisation, as we all know, needs a conscious effort on the part of the user: as radiologists, we do not want to be led but to lead. So we should stop a moment and think how digitisation impacts our profession. Some examples will be given in the session,” said DRG President Prof. Norbert Hosten from Greifswald, who will co-moderate the session.

The first speaker, Dr. Martin G. Mack from Munich, will present the achievements of Akademie online, a teaching platform run by the German Roentgen Association. “Akademie online is a very successful tool in which top-notch speakers debate around state-of-the-art clinic, technology and other aspects of our work as radiologists. There are special sessions for medical students to get them interested in radiology and help them with their exams. Technical assistants have their own sessions and even courses required by the authorities may be completed here,” Prof. Hosten explained.

Dr. Katrin Hegenscheid, also from Greifswald, will then introduce the results of population-based MRI studies led by radiologists and epidemiologists to offer evidence-based data. “Evidence is not always as good as desired by reimbursement agencies. Study samples, for example, are slow and endpoints are often somewhat soft. In Greifswald, an old university town near the Baltic Sea and the Polish border, radiologists have teamed up with epidemiologists and performed free whole-body MRI in healthy subjects. Radiogenomics, metabolomics and genomics are available for all patients screened. Early signs of disease on MRI may thus be determined, as patients will be followed for decades,” Prof. Hosten said.

Finally, developments in the emerging and promising field of MRI-PET will be at the heart of the presentation given by Dr. Claus D. Claussen and Dr. Nina F. Schwenzen, both from Tübingen. “As a technology-driven medical profession, new technology is the air we breathe. We are optimistic about the future of MRI-PET. Think of MRI – did it really look so promising in the beginning? Remember the joke by other specialists that NMR stands for no money remains. It proved to be utterly wrong, and maybe MRI-PET is closer to clinical reality than we now think,” Prof. Hosten said.

Interludes will shed a light on other interesting characteristics of German radiology. Prof. Reinhard R.W. Loose from Nürnberg will first talk about radiation protection and the concept of justifying indications, an increasingly important aspect of healthcare in the advent of teleradiology. “Justifying an indication means asking for the radiologist’s confirmation that the risks and benefits are considered before an examination using ionising radiation is performed. Obviously, this strengthens the role of the radiologist. Compromises have to be made for teleradiology. But the danger is that teleradiology facilitates the commoditisation of radiology – radiology reports become something like oxygen in the OR, delivered without a doctor. Justifying indications in the context of teleradiology requires contact between a physician on the site serviced by teleradiology and a radiologist. The future will show how this works out, with other European countries being much more liberal,” Prof. Hosten concluded.
Dr. Bernhard Lewerich from Berlin will for his part present the Röntgenhaus, the house in which Wilhelm Conrad Röntgen was born and which is currently being renovated.

Last but not least, the European Federation of Radiographer Societies (EFRS) will take part in the programme through the EFRS meets Germany session, which will explore the place of high-end and hybrid technology in the clinical and research work of radiographers.

As every year, the ‘ESR meets’ programme will welcome a partner discipline to talk about its cooperation with radiology. The European Association of Urology (EAU) has prepared a session in which urologists and specialised radiologists will discuss their strengthening collaboration in the early detection and surveillance of prostate cancer.

"Prostate cancer is one of the most common malignancies in the western world and the second leading cause of death from all cancers, with 382,000 new cases and around 89,000 deaths per year in Europe. It has more recently become a very hot topic, as we are approaching a more proactive attitude in terms of early detection and screening in the male population. We published a paper in European Urology last year promoting early detection of prostate cancer (1). We prefer early detection rather than screening, as it has been misused by so many colleagues and authors over the years," said EAU President Prof. Per-Anders Abrahamsson from Malmö, Sweden, who will explain the association’s view on prostate specific antigen (PSA) screening tests.

A panel of international experts will give talks on the role of multiparametric MRI in early detection, active surveillance strategies and the role of imaging in active surveillance, with the aim of stressing the importance of the cooperation not only between radiologists and urologists, but also more generally the medical team.

"Our collaboration in terms of diagnosis and management is crucial, as not only MRI but also PET scans with choline or any modern tracer are critical in order to optimise radical treatment. In most leading centres across Europe, there is a close interaction and multidisciplinary approach with not only radiologists but also pathologists and medical oncologists. The critical issue is to optimise prostate cancer units and define requirements in order to provide our patients with the best care, not only in terms of diagnosis, but also treatment and follow-up," Prof. Abrahamsson said.

The panel discussion will try to answer questions about MRI use in prostate cancer management, for instance if MRI should be used before or after prostate biopsy and if multiparametric MRI is cost effective in screening. "Multiparametric MRI is of course of importance as transrectal ultrasound with multiple biopsies is obviously not the optimal way to diagnose prostate cancer. We miss too many significant cancers. Evaluation of multiparametric MRI examination is still ongoing as we have a problem to differentiate between low risk, medium risk and high-risk prostate cancer. There is an interesting improvement in terms of transrectal ultrasound with tracer and in the future, perhaps, using both transrectal ultrasound in combination with MRI will be the optimal way to minimise the number of biopsies, in order to identify significant cancers," he said.

The session should help improve an already well-established relationship, Abrahamsson believes. "The relationship between radiologists and urologists is by far much better in Europe than other parts of the world. It means, however, that there are exceptions to the rule in some European countries but I can see a great future ahead of us working very closely together," he said.

Travelling further east, the delegation from the Korean Society of Radiology (KSR) will host the session ‘CT in lung cancer screening and COPD evaluation’ on Saturday.
KSR President Prof. Tae-Hwan Lim from Seoul will present the history of the society and the challenges it is currently facing. Speakers will then deliver talks on lung cancer screening in Korea, the role of computer-aided nodule detection and volumetry in lung cancer screening, and the use of CT in chronic obstructive pulmonary disease (COPD).

The interludes will provide delegates with an insight into Korean culture and an introduction to the Korean Society of Thoracic Radiology. The concluding panel discussion will question whether CT is an effective tool for management of lung cancer screening and COPD.

On Sunday, the delegation of the Turkish Society of Radiology, led by Prof. Abdulhakim Coşkun from Kayseri, will feature prominent experts to present state-of-the-art imaging in Turkey, starting with a talk on percutaneous treatment of liver hydatid cysts.

Hydatid disease caused by echinococcus granulosus is still an endemic disease and a public health problem, not only in Turkey but also more generally in the Mediterranean, Middle East and South America. The major criteria for assessing the indications for treatment of hydatid disease of the liver are primarily based on imaging findings, and ultrasonography is the major classification tool of liver hydatidosis, according to Prof. Okan Akhan from Ankara, who will give the presentation.

Surgery remains the conventional treatment for hydatid liver disease, but it is associated with considerable mortality, morbidity, high recurrence rates and hospital stays which can last up to 30 days. The alternative treatment provided by interventional radiology helps to reduce risks, Prof. Akhan argues.

"The long-term follow-up of the lesions treated with the percutaneous approach shows that this treatment is highly successful, reported to be over 98%. It is associated with lower complication and recurrence rates and shorter hospital stay in comparison with surgery. The percutaneous approach is also a treatment alternative to surgery for hepatic cancer located in other organs such as spleen, kidney, peritoneum, lungs, soft tissue, surreal gland, orbita and parotid gland whenever indicated," he said.

Prof. Akhan will underline the importance of the stage-specific approach, and present the indications and different techniques available to radiologists, namely the PAIR technique, catheterisation with hypertonic saline and alcohol, and MoCat.

The other presentations will focus on fMRI of the brain, with a speaker from Izmir, Prof. Cem Calli, and advanced hepatopancreaticobiliary imaging with Dr. Sukru Mehmet Ertürk from Istanbul, who will discuss the latest advances made in the field and the remaining challenges.

"The global challenge of hepatopancreaticobiliary imaging is to define and use an analytical diagnostic approach that uses all available tools such as functional MR imaging methods, hepatobiliary-specific MR contrast agents, CT perfusion imaging, and hybrid imaging techniques including PET-CT and MRI-PET, in the work-up of disease entities. This approach needs to be economically viable as well, considering the increasing financial pressure on the healthcare systems of the countries over the world. This is Turkey’s challenge too," he said.

In between presentations, delegates will be treated to a music show, to bring a festive note to the debates.

"I think that all societies invited to these sessions put in a lot of effort to make their sessions outstanding. I am confident that these sessions will be a highlight of the congress. I hope that all participants of our congress will live our motto and embrace this unique opportunity for meeting colleagues from so many countries and benefit from this platform for international exchange in the radiological community," Prof. Hamm concluded.
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

Friday, March 6, 08:30–10:00, Room E2
NH 9  Image-guided interventions of the prostate

- Chairman’s introduction: defining the target
  A.R. Padhani; London/UK
- MR-targeted prostate biopsy
  J.J. Fütterer; Nijmegen/NL
- MR-US fusion prostate biopsy
  F. Cornud; Paris/FR
- Image-guided tumour ablations
  H.U. Ahmed; London/UK
- Prostate artery embolisation (PAE) for benign hypertrophy
  F.C. Carnevale; Sao Paulo/BR
- Panel discussion: Do organ-sparing prostatic treatments make sense?

Saturday, March 7, 14:00–15:30, Room E2
NH 15  Optical molecular imaging: a new dimension for radiology

- Chairman’s introduction
  C.-C. Glüer; Kiel/DE
- Reporter gene imaging
  C.W.G.M. Löwik; Leiden/NL
- Cerenkov - faster than the speed of light
  J. Grimm; New York, NY/US
- The kiss of light and sound - optoacoustics
  V. Ntziachristos; Munich/DE
- Panel discussion: Potential of optical imaging for translation to human applications

Sunday, March 8, 08:30–10:00, Room E2
NH 17  Comprehensive personalised imaging of cardiothoracic diseases

- Chairman’s introduction: how to prepare for the future?
  T. Benedek; Targu Mures/RO
- Patients with acute and chronic chest pain
  C. Loewe; Vienna/AT
- Patients with acute shortness of breath
  J. Bremerich; Basle/CH
- Patients with chronic shortness of breath
  E.J.R. van Beek; Edinburgh/UK
- Early detection for cardiothoracic disease in smokers
  M. Rémy-Jardin; Lille/FR
- Panel discussion: Comprehensive imaging and education in cardiothoracic diseases
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 5, 08:30–10:00, Room E1**
SA 5  Rethinking ductal carcinoma in situ (DCIS)

» Chairman’s introduction
  G. Forrai; Budapest/HU

» New molecular pathologic knowledge on DCIS
  T. Tot; Falun/SE

» Diagnosing DCIS with MRI
  C.K. Kuhl; Aachen/DE

» Image-guided interventions for DCIS
  R.M. Pijnappel; Utrecht/NL

» Panel discussion: Patient with DCIS: how to plan her therapy in 2015?

---

**Friday, March 6, 16:00–17:30, Room F1**
SA 12  Fleischner guidelines for nodules: theory and practice

» Chairman’s introduction
  C.M. Schaefer-Prokop; Amersfoort/NL

» The 2011 classification of adenocarcinomas: rationale and implications for nodule management
  A. Nicholson; London/UK

» The Fleischner guidelines for solid and subsolid nodules: theory and practice
  A.A. Bankier; Boston, MA/US

» Estimating the risk for malignancy of pulmonary nodules
  B. van Ginneken; Nijmegen/NL

» Panel discussion: Fleischner guidelines: what have we learned?

---

**Saturday, March 7, 16:00–17:30, Room F1**
SA 16  Controversies in comprehensive imaging of coronary artery disease

» Chairman’s introduction: what is the evidence?
  M. Dewey; Berlin/DE

» Computed tomography is all you need
  H. Alkadhi; Zurich/CH

» Magnetic resonance will take the lead
  M. Francone; Rome/IT

» Hybrid nuclear imaging shows no defeat
  S. Kajander; Turku/FI

» Panel discussion: Imaging of coronary artery disease in 2020
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.
Special Focus Sessions

**SF 1a** Wednesday, March 4, 08:30–10:00, Room C

**Acute gastrointestinal tract emergencies: an update**

- Chairman’s introduction
  F. Caseiro-Alves; Coimbra/PT
- The acute abdomen: inflammation and its mimics
  M. Zins; Paris/FR
- Mechanical bowel obstruction
  D.J.M. Tolan; Leeds/UK
- Evaluation of the ischaemic bowel
  S. Romano; Naples/IT
- The acute GI bleed
  O.M. van Delden; Amsterdam/NL
- Panel discussion: How should acute GI tract emergencies be managed?

**SF 1b** Wednesday, March 4, 08:30–10:00, Room E1

**Up-to-date imaging for hearing loss**

- Chairman’s introduction
  A. Trojanowska; Lublin/PL
- New devices in the treatment of hearing loss
  B. Ozgen Mocan; Ankara/TR
- Pre- and postoperative imaging in middle ear implants
  E. Loney; Bradford/UK
- Pre- and postoperative imaging in inner ear and brainstem implants
  B. Verbist; Leiden/NL
- Panel discussion: Changing demands for imaging in hearing loss

**SF 1c** Wednesday, March 4, 08:30–10:00, Room E2

**Internal derangement of joints: choosing the right test for the problem**

- Chairman’s introduction
  A.J. Grainger; Leeds/UK
- CT arthrography: acceptable if MR availability is limited?
  B. Vande Berg; Brussels/BE
- MR arthrography: exquisite soft tissue contrast
  E. Rowbotham; Leeds/UK
- MRI: when is it enough?
  C.W.A. Pfirrmann; Zurich/CH
- Panel discussion: Can one technique ever fulfill all the roles? How will our optimal techniques change in the next 5 years?

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

**Pancreatic lesions - the solid, the cystic, and the diffuse: benign or malignant?**

- Chairman’s introduction
  C. Matos; Brussels/BE
- The solid pancreatic lesion
  R. Manfredi; Verona/IT
- The cystic pancreatic lesion
  J. Wessling; Munster/DE
- The diffuse pancreatic lesion
  C. Triantopoulou; Athens/GR
- Panel discussion: Pitfalls and problems in pancreatic lesions

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

**Advanced applications in ultrasound**

- Chairman’s introduction
  T. Fischer; Berlin/DE
- Contrast-enhanced ultrasound of the pancreas
  M. D’Onofrio; Verona/IT
- Molecular ultrasound and dynamic contrast-enhanced US for antiangiogenic therapy monitoring
  N. Lassau; Villejuif/FR
- State-of-the-art ultrasound technologies: elastography and microvascular imaging - are they useful?
  A.K.P. Lim; London/UK
- ShearWave elastography, ultrafast Doppler and image fusion
  J.-M. Correas; Paris/FR
- Panel discussion: How could these technologies improve clinical routine?

**SF 8a** Thursday, March 5, 16:00–17:30, Room B

**Advanced brain MRI techniques in paediatrics: toys or tools in daily practice?**

- Chairman’s introduction
  A. Rossi; Genoa/IT
- Arterial spin-labelling: measuring perfusion non-invasively in neonates and children
  J. Hendrikse; Utrecht/NL
- MR spectroscopy: information vs time
  J.F. Schneider; Basle/CH
- Diffusion tensor imaging: connecting the dots
  T.A.G.M. Huisman; Baltimore, MD/US
- Panel discussion: Do advanced brain MRI techniques really change current practice?
Thursday, March 5, 16:00–17:30, Room E2

SF 8b  New frontiers in brain tumour imaging  LEVEL III

» Chairman’s introduction
H. Rolf Jäger; London/UK

» Imaging correlates of brain tumour genotypes
M. Smits; Rotterdam/NL

» Multi-parametric MR tumour imaging in brain tumour diagnosis and monitoring
M.A. Lucic; Sremska Kamenica/RS

» MR/PET in brain tumour diagnosis: the added value of combining structural and molecular imaging
F. Fraioli; London/UK

» Panel discussion: Modalities and parameters - what do we really need?

Thursday, March 5, 16:00–17:30, Room F2

SF 8c  Breast imaging modalities: beyond the conventional  LEVEL III

» Chairman’s introduction
M. Lobbes; Maastricht/NL

» Contrast-enhanced mammography
C. Dromain; Villejuif/FR

» Breast CT
W.A. Kalender; Erlangen/DE

» Non-contrast MRI
P.A.T. Baltzer; Vienna/AT

» Panel discussion: Is there still room for conventional breast imaging?

Friday, March 6, 08:30–10:00, Room C

SF 9a  Evaluation of treatment response in head and neck cancer  LEVEL III

» Chairman’s introduction
M. Becker; Geneva/CH

» Prognostic factors influencing treatment choice and treatment response
R. Hermans; Leuven/BE

» Evaluation of early treatment response: can MRI techniques make a difference?
H.C. Thoeny; Berne/CH

» Post treatment imaging: is PET a reliable indicator for tumour viability?
S. Bisdas; Tübingen/DE

» Panel discussion: Can we provide accurate information for the evaluation of treatment response?

Friday, March 6, 08:30–10:00, Room D1

SF 9b  The forgotten joints  LEVEL III

» Chairman’s introduction
M. Padrón; Madrid/ES

» Fingers and toes: little joints, big trouble?
A. Klauser; Innsbruck/AT

» The symphysis pubis
C.W.A. Pfirrmann; Zurich/CH

» The acromioclavicular joint: patterns of injury
D. Barron; Leeds/UK

» Panel discussion: Are these topics never to be forgotten?

Friday, March 6, 16:00–17:30, Room E2

SF 12  Interventional radiology in venous thromboembolism and chronic venous disease  LEVEL III

» Chairman’s introduction
D.K. Tsetis; Iraklion/GR

» Current endovascular treatment in iliofemoral DVT
R. Uberoi; Oxford/UK

» Vena cava filters: an update
M.J. Lee; Dublin/IE

» Interventional treatment of severe/massive pulmonary embolism
G. Carrafiello; Varese/IT

» Techniques and tools in endovenous thermal ablation
D.J. West; Stoke-on-Trent/UK

» Panel discussion: What the interventional radiologist needs to know about modern anticoagulation treatment?

Saturday, March 7, 14:00–15:30, Room F1

SF 15  Cardiac CT: cutting edge techniques  LEVEL III

» Chairman’s introduction
R. Salgado; Antwerp/BE

» Estimation of coronary flow reserve by CT: a new arrival
G. Bastanić; Pamplona/ES

» Myocardial perfusion imaging in clinical routine: ready for prime time?
K. Kitaqawa; Mie/JP

» Plaque imaging with cardiac CT: coming of age?
J. Hoe; Singapore/SG

» Panel discussion: Which technique will change clinical practice?
**Special Focus Sessions**

**Saturday, March 7, 16:00–17:30, Room E2**

**SF 16  Imaging biomarkers in degenerative joint disease**  
LEVEL III

- Chairman’s introduction  
  S. Trattnig; Vienna/AT
- Proteoglycan-specific quantitative imaging in osteoarthritis and cartilage repair - part 1  
  E.H.G. Oei; Rotterdam/NL
- Proteoglycan-specific quantitative imaging in osteoarthritis and cartilage repair - part 2  
  M.-A. Weber; Heidelberg/DE
- Degenerative joint disease: collagen-specific quantitative imaging of menisci and tendons  
  K.M. Friedrich; Vienna/AT
- Panel discussion: What are the new imaging biomarkers in degenerative MSK disease?

**Sunday, March 8, 08:30–10:00, Room F1**

**SF 17b  Congenital heart disease: from infancy to adulthood**  
LEVEL II

- Chairman’s introduction  
  M. Haliloglu; Ankara/TR
- Cardiac CT: challenges in congenital heart diseases  
  M. Kantarci; Erzurum/TR
- Segmental approach to MR imaging of congenital heart disease  
  A.M. Taylor; London/UK
- Imaging of congenital heart disease in adults  
  S. Leschka; St. Gallen/CH
- Panel discussion: What is the impact of radiologists in the evaluation of congenital heart disease?

**Sunday, March 8, 08:30–10:00, Room D1**

**SF 17a  Metabolic bone diseases**  
LEVEL II

- Chairman’s introduction  
  G. Guglielmi; Andria/IT
- A critical appraisal of vertebral fracture identification  
  A. Bazzocchi; Bologna/IT
- Metabolic bone disorders in patients with malabsorption  
  C.M. Phan; Paris/FR
- Bone quality beyond BMD: what do we know already and what more does the future hold?  
  J.S. Bauer; Munich/DE
- Panel discussion: How do radiologists get involved?

**Sunday, March 8, 08:30–10:00, Room K**

**SF 17c  Technology for supporting clinical research in radiology**  
LEVEL II

- Chairman’s introduction  
  D. Caramella; Pisa/IT
- Online tools and software solutions for effective clinical research  
  A. Scarsbrook; Leeds/UK
- PACS for research  
  D. Regge; Turin/IT
- Using electronic case report forms for clinical imaging trials  
  T. Bäuerle; Erlangen/DE
- Panel discussion: Are online tools, PACS, or electronic case report forms suitable for clinical research?
Professional Challenges Sessions

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 Sessions

Wednesday, March 4, 16:00–17:30, Room E2
PC 4a  Radiologist: imager or doctor?
» Chairman’s introduction
J.A. Reekers; Amsterdam/NL
» Which type of radiologist is future proof?
N.H. Strickland; London/UK
» Is subspecialisation the answer?
J.A. Reekers; Amsterdam/NL
» Is teleradiology a threat to radiology?
A. Palkó; Szeged/HU
» Radiology training for the future
B. Ertl-Wagner; Munich/DE
» Panel discussion: How do radiologists stay relevant and what is the role of the ESR?

Tuesday, March 5, 08:30–10:00, Room F2
PC 5b  Imaging biobanks: from genomic to radiomic in the era of personalised medicine
» Chairman’s introduction
G. Frija; Paris/FR
E. Neri; Pisa/IT
» The biobanks: genomic, molecular and proteomic - Which link to radiomics?
M. Simmaco; Rome/IT
» Radiomic: report from the ESR Working Group on Imaging Biobanks
H.-U. Kauczor; Heidelberg/DE
» Existing imaging biobanks
A. Jackson; Manchester/UK
» Extraction and analysis of biomarkers from medical images
B. Gibaud; Rennes/FR
» Panel discussion: Future strategies for the development and the federation of biobanks, definition of standards, etc.

Thursday, March 5, 16:00–17:30, Room F1
PC 8a  Integration of imaging biomarker activities on a European level
» Chairman’s introduction
G. Frija; Paris/FR
» From qualitative to quantitative imaging: a paradigm shift in radiology
S. Trattnig; Vienna/AT
» Experience of the Quantitative Imaging Alliance (QIBA) of the RSNA
R. Boellaard; Amsterdam/NL
» Introduction to the Quantitative Imaging European Task Force
H.-U. Kauczor; Heidelberg/DE
» Clinical validation of imaging biomarkers and their role in European Medicine Agency (EMA) applications
O. Clément; Paris/FR
» The role of imaging biomarkers in the EORTC clinical trials
N.M. deSouza; Sutton/UK
» Panel discussion: How to strengthen the role of imaging biomarkers in clinical trials
**Professional Challenges Sessions**

**Thursday, March 5, 16:00–17:30, Room L1**

**PC 8b  Imaging in population-based studies**

- Chairman’s introduction  
  N. Hosten; Greifswald/DE
- Imaging in population for the prediction of neurodegenerative diseases  
  G.P. Krestin; Rotterdam/NL
- The German National Cohort: population based imaging in a nation-wide multi-centre setting  
  F. Bamberg; Munich/DE
- Population-based cardiac imaging  
  S. Petersen; London/UK
- The Trauma Cohort: a joint project of the German Röntgen Society and the German Society of Trauma Surgery  
  S. Langner; Greifswald/DE
- Ethical aspects of population imaging  
  R. Schmucker; Münster/DE
- Panel discussion: What does the individual gain from population imaging studies?

**Friday, March 6, 08:30–10:00, Room E1**

**PC 9  Personalised medicine in radiology**

- Chairman’s introduction  
  R. Manfredi; Verona/IT
- Imaging is everywhere in personalised medicine  
  A. van der Luut; Rotterdam/NL
- Personalised prevention: population-based imaging and image-based screening  
  F. Bamberg; Munich/DE
- Integrated diagnostics: towards one diagnostic department  
  A. Cuocolo; Naples/IT
- Interventional radiology: a paradigm for personalised medicine  
  S.N. Goldberg; Jerusalem/IL
- Panel discussion: How can we best accelerate the adoption of personalised medicine in radiological practice?

**Friday, March 6, 16:00–17:30, Room F2**

**PC 12a  Harmonised approach for imaging in Europe: myth or reality?**

- Chairman’s introduction  
  L. Donoso, Barcelona/ES
- Current heterogeneities in imaging in Europe  
  G. Frija; Paris/FR
- Imaging equipment: an ESR perspective  
  B. Brkjačić; Zagreb/HR
- Equipment age - COCIR  
  N. Denjoy; Brussels/BE
- Training and certification  
  B. Ertl-Wagner; Munich/DE
- Issues related to coding terminology and IT access  
  P. Mildenberger; Mainz/DE
- Panel discussion: A global plan for imaging  
  J. Griebel; Neuherberg/DE (HERCA Chair of the Working Group on Medical Applications - BfS, Germany)
  G. Roesems-Kerremans; Brussels/BE (Deputy Head of Unit ‘Health and Wellbeing’ - DG CNECT, European Commission)
  A. Rys; Brussels/BE (Director Health systems and products - DG SANCO, European Commission)
  G. Simeonov; Luxembourg/LU (Policy Officer Radiation Protection Unit - DG ENER, European Commission)

**Friday, March 6, 16:00–17:30, Room Z**

**PC 12b  Medicolegal aspects in daily practice**

- Chairman’s introduction  
  J.I. Bilbao; Pamplona/ES
- Inadequate consent, missed lesions and misinterpretation: legal challenges in radiology  
  E.J. Adam; London/UK
- When is a radiologic error simply an error and when is it malpractice?  
  A. Cannavale; Rome/IT
- The lawyer’s point of view  
  M. Ludvik; Vienna/AT
- Panel discussion: How present are medicolegal aspects in our daily clinical practice?
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**

**Thursday, March 5, 16:00–17:30, Room M**

**MS 8** Critical limb ischaemia (CLI): limb salvage or life salvage? **LEVEL III**

- Chairman’s introduction: critical limb ischaemia in daily practise
  J.A. Reekers; Amsterdam/NL
- Diagnostic imaging and outcome
  M. Koelemay; Amsterdam/NL
- The diabetic foot patient
  N.C. Schaper; Maastricht/NL
- Multidisciplinary team case discussion

**Friday, March 6, 08:30–10:00, Room F2**

**MS 9** Management of rectal cancer: a paradigm shift **LEVEL III**

- Chairman’s introduction
  R.G.H. Beets-Tan, Maastricht/NL
- Organ-saving treatment: what does the surgeon want to know?
  G.L. Beets, Maastricht/NL
- Organ-saving treatment: what does the radiation oncologist want to know?
  V. Valentini, Rome/IT
- Organ-saving treatment: what is the radiologist’s role?
  R.G.H. Beets-Tan, Maastricht/NL
- Interactive case discussion: What do clinicians expect from us in organ-saving treatment management?

**Saturday, March 7, 16:00–17:30, Studio 2015**

**MS 16** Solving the crossword puzzle in diffuse interstitial lung disease (DILD) **LEVEL III**

- Chairman’s introduction
  H.-U. Kauczor, Heidelberg/DE
- Pulmonologist’s approach: the clinical aspects
  F.J.F. Herth, Heidelberg/DE
- Pathologist’s approach and diagnosis
  A. Gschwendtner, Amberg/DE
- Radiologist’s approach, patterns and diagnosis
  C.P. Heussel, Heidelberg/DE
- DILD-board: Multidisciplinary case presentation and discussion
European Excellence in Education (E³)

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.

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
- The Beauty of Basic Knowledge
- European Diploma Prep Sessions
- ECR Academies
- ECR Master Classes
The ECR has been driven by innovation since its early days, and many additions and improvements have been made to the educational programme throughout the years. While these novelties have significantly enriched the congress programme, they may also have made it challenging for delegates to navigate through the huge range of sessions and symposia available at the Austria Center Vienna, which hosts the ECR every year in March.

This is the view of ECR 2015 President, Prof. Bernd Hamm from Berlin, who has decided to simplify education at the Congress by merging many of the educational session formats into the **European Excellence in Education (E³)** programme; a change he expects will bring clarity to the programme.

"In recent years, there have been very innovative educational courses added to the ECR. However, in the final analysis, there has been a certain amount of confusion, for both participants and presenters. With the new and clearer course structure under one label, we hope to overcome this confusion," he said.

While proven session formats such as the Refresher Courses, Special Focus Sessions, State of the Art Symposia, Professional Challenges Sessions and New Horizons Sessions will still be on the schedule, the E³ programme will definitely help simplify the course plan.

It will cover the entire range of educational issues from undergraduate medical education to subspecialised continuing professional development, emphasising the importance of lifelong learning. To do so, it will feature the already existing Rising Stars and Beauty of Basic Knowledge sessions, and add new formats: the European Diploma Prep Sessions, ECR Academies and ECR Master Classes. These five branches will reflect the different levels of education in radiology, by covering all the different stages of an individual’s professional career.

Residents, medical students and trainee radiographers have become regular guests at the ECR thanks to the **Rising Stars** initiative, which offers an interesting educational agenda and unique opportunities to attend the meeting either free of charge or for a significantly reduced fee. As a result, the number of participants has been growing steadily in recent years.

"The popularity and success of the programme has surpassed our expectations. Over 3,500 students attended the congress over the last three years, and that number is expected to rise at ECR 2015. The number of papers submitted by students in 2014 was close to 200, which also proves that interest in the programme is growing," noted Rising Stars patron, Prof. Małgorzata Szczerbo-Trojanowska from Lublin, Poland.

Approximately 30% of the submitted abstracts last year were from trainee radiographers, and so the organisers have prepared a programme reflecting the interests of radiographers. A session entitled ‘How to write a good abstract and create the perfect presentation’ has also been added to help participants.

To match demand, places in the **Invest in the Youth initiative**, one of the Rising Stars programme’s main projects, have been increased from 360 to 700. The initiative invites residents and trainee radiographers under the age of 35 to submit their abstracts to the Rising Stars programme, and are offered an accommodation voucher worth 350 euros and free registration to the ECR in return. In addition, students and trainee radiographers under 30 without an academic title may also submit their abstracts; the 20 best submitters will receive free travel costs to Vienna, free registration to the congress and 350 euros for their accommodation.*

Furthermore, students under the age of 30 who don’t have any academic title can now register for the ECR for a reduced fee of €40, regardless of the time of registration, and any medical student can attend the last day of the ECR free of charge.
Finally, the **Student Sessions** will focus on the role of the radiologist in the management of trauma patients, x-ray imaging and pregnancy, the role of radiographers in screening programmes, and practical topics such as ‘my social/educational student project at my university’. As usual, the best presentation will be awarded during the final student session.

Residents, students and trainees are the future of radiology and the Rising Stars programme should give them the keys to familiarise themselves with a demanding and exciting discipline. “Students attending the ECR become acquainted with the cutting-edge achievements and recognise the trends for future development. They also have an opportunity to present their own work at a scientific conference, learn to carry scientific discussions and often identify new areas for research. Attending the ECR gives them a unique opportunity to get to know the leaders in the specialty and to make acquaintances and lifetime friendships with peers from all over the world,” Prof. Szczerbo-Trojanowska said.

To provide even more support to young radiologists, ECR 2015 will feature a new type of session to help them prepare for the European Diploma in Radiology (EDiR), an increasingly important part of the aspiring radiologist’s portfolio.

The **European Diploma Prep Sessions** will provide trainee radiologists with a concise overview of the diploma curriculum, which certifies a standard of radiological knowledge deemed appropriate by the ESR for independent practice in general radiology.

“I consider it very important for a young radiologist to take the EDiR examination, as it provides the candidate with a unique opportunity to demonstrate his or her knowledge and competence on a European level,” said Prof. Birgit Ertl-Wagner from Munich, who will coordinate these sessions at ECR 2015.

The **European Diploma Prep Sessions** will provide trainee radiologists with a concise overview of the diploma curriculum, which certifies a standard of radiological knowledge deemed appropriate by the ESR for independent practice in general radiology.

Another treat will be the **Radiology Trainees Forum (RTF) quiz**, moderated by the most famous contributor to the ESR blog, Prof. José Cáceres from Barcelona. “We are looking forward to this new event with great excitement and enthusiasm. It will be also an exceptional occasion to meet national RTF delegates and members of the RTF board, and should be of particular appeal to residents,” Prof. Szczerbo-Trojanowska said.

Residents, students and trainees are the future of radiology and the Rising Stars programme should give them the keys to familiarise themselves with a demanding and exciting discipline. “Students attending the ECR become acquainted with the cutting-edge achievements and recognise the trends for future development. They also have an opportunity to present their own work at a scientific conference, learn to carry scientific discussions and often identify new areas for research. Attending the ECR gives them a unique opportunity to get to know the leaders in the specialty and to make acquaintances and lifetime friendships with peers from all over the world,” Prof. Szczerbo-Trojanowska said.

To provide even more support to young radiologists, ECR 2015 will feature a new type of session to help them prepare for the European Diploma in Radiology (EDiR), an increasingly important part of the aspiring radiologist’s portfolio.

The **European Diploma Prep Sessions** will provide trainee radiologists with a concise overview of the diploma curriculum, which certifies a standard of radiological knowledge deemed appropriate by the ESR for independent practice in general radiology.

“I consider it very important for a young radiologist to take the EDiR examination, as it provides the candidate with a unique opportunity to demonstrate his or her knowledge and competence on a European level,” said Prof. Birgit Ertl-Wagner from Munich, who will coordinate these sessions at ECR 2015.

The **European Diploma Prep Sessions** will provide trainee radiologists with a concise overview of the diploma curriculum, which certifies a standard of radiological knowledge deemed appropriate by the ESR for independent practice in general radiology.

The sessions will cover chapters from level I and II of the European Training Curriculum. They will be held in close cooperation with the European Board of Radiology (EBR), which organises the diploma.
The classes are relevant not only to EDR, but also to everyday radiology practice. They are suitable for residents who want an overview of the various topics relevant to imaging and for those preparing for their national board examinations. The topics will focus on fundamentals of breast imaging, inflammation and tumours of the lung, imaging of the gastrointestinal tract, neurovascular disorders and trauma of the brain, bone tumours, and the principles of imaging and radiation protection.

Organisers are looking forward to having many participants. “Any radiologist is welcome to attend these sessions. Prior registration is not necessary,” Prof. Ertl-Wagner said.

Residents and board-certified radiologists who want to refresh their knowledge should find the popular Beauty of Basic Knowledge sessions, which focus on knowledge essential to the daily practice of radiology, particularly attractive and appropriate to their level. The format of these sessions reflects the tradition of conventional teaching sessions, in which an experienced teacher shares his or her insights into a topic of particular relevance to a group of attendees.

At ECR 2015, the sessions will be divided in two main themes: skeletal radiology and breast imaging. In the former, areas such as tumoural MSK lesions, metabolic and endocrine disease, and plain radiographs will be tackled; in the latter, sessions will focus on breast ultrasound, breast cancer staging, and high risk lesions, among others.

The new ECR Academies consist of a series of sessions on emerging issues and should appeal to general radiologists or radiologists with a subspecialisation. Topics will include hybrid imaging, image-guided interventions in oncology, and modern imaging of the GI tract.

In addition, there will be sessions covering diagnostic urogenital radiology and interactive teaching sessions focusing on different aspects of radiology, such as changes of the gastrointestinal tract after treatment, the treated spine and joints, the treated breast, unexpected findings on brain MRI, cardiac CT, and diagnostic evaluation of bone tumours.

Finally, the ECR Master Classes are designed for participants and subspecialists seeking cutting-edge information in specific fields of interest. One ECR Master Class will be offered for each subspecialty in radiology (level III and beyond) and presented by experts in the field.

The classes will reflect state-of-the-art knowledge, as well as emerging trends, and tackle areas such as lung cancer staging, advances in paediatric imaging, cardiac MRI, radiogenomics, epilepsy, osteomyelitis, and the role of interventional radiology in trauma management, to name a few.

The members of the Programme Planning Committee and the ECR 2015 President hope that the E3 programme will help both the audience and the speakers.

“We expect that the new structure will make it easier for participants to choose the courses that will benefit them most. In addition, it might help speakers in preparing their presentations, by providing a clearer idea of the kind of audience to address. I am curious to see how the new session structure will be received by the audience and whether it turns out to be a good basis for further development in the years to come,” Prof. Hamm said.

*Please note that to submit an abstract or poster you must be a member of the ESR.*
E³
RISING STARS PROGRAMME
**E³ – Rising Stars Programme**

## Case-Based Diagnosis Training

### Sunday, March 8, 13:00–14:00, Studio 2015

**Case-Based Diagnosis Training – Part I**

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

» Neuro
  - D. Prayer; Vienna/AT

» Maxillofacial
  - S. Robinson; Vienna/AT

» Musculoskeletal
  - F. Kainberger; Vienna/AT

» Liver
  - L. Martí-Bonmatí; Valencia/ES

» Breast
  - M.H. Fuchsjäger; Graz/AT

### Sunday, March 8, 14:00–14:30, Studio 2015

**Interlude: Spot the implant – can you identify common and unusual medical devices inside the body?**

**Moderators:**
- W. Drahanowsky; Vienna/AT
- S. Robinson; Vienna/AT

### Sunday, March 8, 14:30–15:30, Studio 2015

**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

» Genitourinary
  - M. Toepker; Vienna/AT

## Radiology Trainees Forum Programme

### Thursday, March 5, 13:30–14:30, Rising Stars Lounge

**RTF Quiz**

**Quiz-Master:** J. Cáceres, Barcelona/ES

### Saturday, March 7, 10:30–12:00, Room M

**RTF Highlighted Lectures**

**Moderator:** t.b.a.

» Ischemic cardiomyopathy - coronary arteries and myocardium: two sides of the same coin?
  - R. Marano, Rome/IT

» MRI appearances of incidental focal liver lesions: role of hepatocyte specific contrast agents and DWI
  - S. Gourtsoyianni, London/UK

» Radiology and sports injuries, more than reading the image!
  - M. Maas, Amsterdam/NL (Member of ACES, Academic Center Evidence Based Sportsmedicine)
Basic Sessions

**E³ – Rising Stars Programme**

**Thursday, March 5, 08:30–10:00, Studio 2015**

**Basic Session 1:**
Breast imaging

- **Mammography**
  F.J. Gilbert; Cambridge/UK
- **Breast US**
  C.S. Balleyguier; Villejuif/FR
- **Breast MRI**
  F. Sardanelli; San Donato Milanese/IT

**Thursday, March 5, 10:30–12:00, Studio 2015**

**Basic Session 2:**
Neuroradiology

- **Aging and degeneration in the brain**
  B. Gómez-Ansón; Barcelona/ES
- **Brain trauma**
  M. Sajjé; Poznan/PL
- **Vascular malformations**
  P. Vilela; Almada/PT

**Friday, March 6, 16:00–17:30, Studio 2015**

**Basic Session 3:**
Oncologic imaging

- **Prostate cancer**
  J.O. Barentsz; Nijmegen/NL
- **Pancreatic cancer**
  F. Caseiro-Alves; Coimbra/PT
- **Musculoskeletal neoplasms**
  M.F. Reiser; Munich/DE

**Saturday, March 7, 08:30–10:00, Studio 2015**

**Basic Session 4:**
Musculoskeletal trauma

- **Shoulder**
  M. Zanetti; Zurich/CH
- **Knee**
  K. Verstraete; Ghent/BE
- **Ankle**
  J. Kramer; Linz/AT

**Saturday, March 7, 10:30–12:00, Studio 2015**

**Basic Session 5:**
Thoracic emergencies

- **Vascular**
  T. Jargiello; Lublin/PL
- **Pulmonary**
  C.M. Schaefer-Prokop; Amersfoort/NL
- **Cardiac**
  V.E. Sinitsyn; Moscow/RU

**Sunday, March 8, 08:30–10:00, Room L 1**

**Basic Session 6:**
Interventional radiology

- **Uterine Fibroid Embolisation**
  T.J. Kroencke; Augsburg/DE
- **Management of trauma patients**
  M. Krokidis; Cambridge/UK
- **Varicocele**
  P. Haage; Wuppertal/DE
Activities 2015

Visiting Schools
Visiting Seminars
Scholarship Programmes
Fellowship Programmes
Visiting Professorship Programmes
Online Courses
Tutorials
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 an experienced teacher shares his or her insights into a topic of particular relevance with a group of attendees.

A Beauty of Basic Knowledge session typically consists of a 45-minute lecture held by one speaker (plus 15 minutes for conclusions and discussion). The teaching format is usually case based with some interaction with the attendees.

The content of the sessions is mostly tied to the Level I and Level II 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 in basic topics of imaging and image-guided therapy.
**E³ – The Beauty of Basic Knowledge**

**Skeletal Radiology**

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

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

**E³ 24A** Wednesday, March 4, 12:30–13:30, Room D1

Plain radiographs: analysis and interpretation

I. McCall; Devon/UK

**E³ 24B** Thursday, March 5, 12:30–13:30, Room D1

The concept of degeneration: the tendons

K. Bohndorf; Vienna/AT

**E³ 24C** Friday, March 6, 12:30–13:30, Room D1

Inflammatory/infectious disorders

V.N. Cassar-Pullicino; Oswestry/UK

**E³ 24D** Saturday, March 7, 12:30–13:30, Room D1

Tumoural and pseudotumoural MSK lesions

K. Verstraete; Ghent/BE

**E³ 24E** Sunday, March 8, 12:30–13:30, Room D1

Metabolic, endocrine and marrow disease

B. Vande Berg; Brussels/BE

**Breast Imaging**

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

**Moderator:** J. Camps Herrero; Valencia/ES

**E³ 25A** Wednesday, March 4, 12:30–13:30, Room B

Breast ultrasound: a primer

A. Tardivon; Paris/FR

**E³ 25B** Thursday, March 5, 12:30–13:30, Room B

Cracking the mystery of needles and gauges

R.M. Pijnappel; Utrecht/NL

**E³ 25C** Friday, March 6, 12:30–13:30, Room B

Breast cancer staging: why and how

K. Kinkel; Chêne-Bougeries/CH

**E³ 25D** Saturday, March 7, 12:30–13:30, Room B

Ductal carcinoma in situ (DCIS): small tumour but big problem

G. Forrai; Budapest/HU

**E³ 25E** Sunday, March 8, 12:30–13:30, Room B

High risk lesions: solving the dilemma

A. Linda; Udine/IT
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**

**Saturday, March 7, 08:30–10:00, Room N**  
**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

**Saturday, March 7, 10:30–12:00, Room N**  
**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; Maastricht/NL

**Saturday, March 7, 14:00–15:30, Room N**  
**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. James; Birmingham/UK  
C. Degenerative and inflammatory disorders of the musculoskeletal system  
K.-G. Hermann; Berlin/DE

**Saturday, March 7, 16:00–17:30, Room N**  
**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

**Sunday, March 8, 10:30–12:00, Room N**  
**E³ 1823  Neuro**  
» Chairman’s introduction  
B. Ertl-Wagner; Munich/DE  
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

**Sunday, March 8, 14:00–15:30, Room N**  
**E³ 1923  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

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

Hybrid Imaging (basic)
The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

4 March
Wednesday, March 4, 16:00–17:30, Room K
E³ 418  Scanners and tracers

Moderator: G. Antoch; Düsseldorf/DE
A. Hybrid imaging: what systems are available and how do they work
T. Beyer; Vienna/AT
B. Radionuclides for PET/CT and MR/PET
M. Hacker; Vienna/AT
C. Radiopharmaceuticals for SPECT/CT
J.R. Ballinger; London/UK

Hybrid Imaging (advanced)
The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

6 March
Friday, March 6, 16:00–17:30, Room K
E³ 1218  MR/PET - future of hybrid imaging?

Moderator: R.A. Coulden; Leicester/UK
A. For which indications is MR/PET better than PET/CT?
L. Umultlu; Essen/DE
B. MR/PET technology: state of the art
A. Cuocolo; Naples/IT
C. Diffusion weighted MRI vs PET in oncology
F. Giesel; Heidelberg/DE

5 March
Thursday, March 5, 08:30–10:00, Room K
E³ 518  Imaging protocols for PET/CT and MR/PET

Moderator: C. Pfannenberg; Tübingen/DE
A. Does it make sense to use CT-contrast agents in PET/CT
G. Antoch; Düsseldorf/DE
B. PET/CT imaging protocols
A. Scarsbrook; Leeds/UK
C. MR/PET imaging protocols
O. Ratib; Geneva/CH

6 March
Friday, March 6, 08:30–10:00, Room K
E³ 918  Indications for hybrid imaging in ...

Moderator: T.H. Helbich; Vienna/AT
A. Oncology
N. Schwenzer; Tübingen/DE
B. Neurology
A. Buck; Zurich/CH
C. Cardiology
S.G. Nekolla; Munich/DE

7 March
Saturday, March 7, 08:30–10:00, Room K
E³ 1318  Advanced imaging with tracers beyond FDG

Moderator: B. Taviani; Paris/FR
A. Neuroendocrine tumours
S. Fanti; Bologna/IT
B. Prostate cancer
M.C. Roethke; Heidelberg/DE
C. Coronary atherosclerotic plaque
M.R. Dweck; Edinburgh/UK

5 March
Thursday, March 5, 16:00–17:30, Room K
E³ 818  Essentials of hybrid imaging

Moderator: R. McDermott; Dublin/IE
A. Normal variants and pitfalls
G. Cook; London/UK
B. The SUV: when does its use make sense?
P. Veit-Haibach; Zurich/CH
C. Indications for hybrid imaging in radiation therapy planning
D. Georg; Vienna/AT

7 March
Saturday, March 7, 14:00–15:30, Room K
E³ 1518  Advanced hybrid imaging of brain

Moderator: G. Morana; Genoa/IT
A. Memory decline
L. Nyberg; Umeå/SE
B. Minimal cognitive impairment and dementia
J.O. Rinne; Turku/FI
C. Brain tumours
P. Bartenstein; Munich/DE

7 March
Saturday, March 7, 16:00–17:30, Room K
E³ 1618  Advanced hybrid imaging in oncology

Moderator: K. Åhlström Riklund; Umeå/SE
A. In female pelvis
P.R. Ros; Cleveland, OH/US
B. In head neck cancer
M. Becker; Geneva/CH
C. In modern planning of radiation treatment
U. Nestle; Freiburg/DE

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.
**E³ – ECR Academies**

**Image-Guided Interventions in Oncology**

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

---

**Thursday, March 5, 08:30–10:00, Room N**

**E³ 519 Hepatic primary tumours: ‘prime time’ for interventional radiologists?**

- Chairman’s introduction
  M. Bezzi; Rome/IT
- A. Percutaneous techniques: the clinical value of minimally invasive options
  B. Gebauer; Berlin/DE
- B. Intra-arterial therapies 2.0: the embolising techniques in the era of the micro-beads
  A. Denys; Lausanne/CH
- C. Intra-arterial therapies 2.0: radioembolisation as a common daily practice
  J.I. Bilbao; Pamplona/ES

---

**Thursday, March 5, 16:00–17:30, Room N**

**E³ 819 Kidney, lung and bone: an update on oncologic therapy**

- Chairman’s introduction
  A.D. Kelekis; Athens/GR
- A. Renal cell carcinoma: when and how can we compete with surgeons
  R.F. Grasso; Rome/IT
- B. Lung tumours: the clinical evidence for percutaneous techniques
  T. de Baère; Villejuif/FR
- C. Image-guided therapies for bone tumours
  A. Gangi; Strasbourg/FR

---

**Friday, March 6, 08:30–10:00, Room N**

**E³ 919 Colorectal liver metastases: the emerging role of interventional radiologists in oncology**

- Chairman’s introduction
  P.L. Pereira; Heilbronn/DE
- A. Tumour ablation: when and how in a modern oncological setting
  V. Válek; Brno/CZ
- B. Intra-arterial drug delivery: the state of art
  M. Bezzi; Rome/IT
- C. Intra-arterial radiation delivery - when and how: the clinical evidence
  T.K. Helmberger; Munich/DE

---

**Friday, March 6, 16:00–17:30, Room N**

**E³ 1219 The cutting-edge technologies in image-guided tumour therapy**

- Chairman’s introduction
  M. Krokidis; Cambridge/UK
- A. HIFU: The ultrasound guidance
  F. Orsi; Milan/IT
- B. HIFU: The magnetic resonance guidance
  A. Napoli; Rome/IT
- C. Update on irreversible electroporation
  A. Nilsson; Uppsala/SE

---

Image-Guided Interventions in Oncology

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.
**E³ – ECR Academies**

**Diagnostic Urogenital Radiology**

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.

---

**Thursday, March 5, 08:30–10:00, Room MB 5**

**E³ 520 Kidney**

**Moderator:** C. Nicolau; Barcelona/ES

A. Differential diagnoses of cystic renal masses  
M. Claudon; Vandoeuvre-lès-Nancy/FR

B. Differential diagnoses of solid renal masses  
S.H. Kim; Seoul/KR

C. Acute and chronic renal infection  
J. Lopes Dias; Lisbon/PT

---

**Thursday, March 5, 10:30–12:00, Room MB 5**

**E³ 620 Retroperitoneum and adrenals**

**Moderator:** F.M. Danza; Rome/IT

A. Anatomy and imaging techniques of the retroperitoneum  
M.C. Roethke; Heidelberg/DE

B. Differential diagnoses of retroperitoneal masses  
M.-F. Bellin; Le Kremlin-Bicêtre/FR

C. Differential diagnoses of adrenal lesions  
G. Heinz-Peer; St. Pölten/AT

---

**Thursday, March 5, 14:00–15:30, Room MB 5**

**E³ 720 Prostate**

**Moderator:** J.J. Fütterer; Nijmegen/NL

A. Ultrasound of the prostate  
J. Venancio; Lisbon/PT

B. Multiparametric MRI of the prostate  
G.M. Villeirs; Gent/BE

C. Staging of prostate cancer  
A.R. Padhani; London/UK

---

**Thursday, March 5, 16:00–17:30, Room MB 5**

**E³ 820 Upper and lower urinary tract**

**Moderator:** N. Grenier; Bordeaux/FR

A. CTU and MRU of the upper urinary tract  
N.C. Cowan; Birmingham/UK

B. Imaging of kidney and ureter  
M.A. Cova; Trieste/IT

C. Imaging of bladder and urethra  
T. El-Diasty; Mansoura/EG

---

**Friday, March 6, 08:30–10:00, Room MB 5**

**E³ 920 Gynaecology**

**Moderator:** T.M. Cunha; Lisbon/PT

A. MR imaging techniques and normal anatomy of the female pelvis  
C.S. Balleyguier; Villejuif/FR

B. Staging of cervical cancer  
R. Forstner; Salzburg/AT

C. Differential diagnoses of adnexal masses  
S. Swift; Leeds/UK

---

**Friday, March 6, 10:30–12:00, Room MB 5**

**E³ 1020 Emergencies**

**Moderator:** R.H. Oyen; Leuven/BE

A. Male pelvis emergencies  
M. Bertolotto; Trieste/IT

B. Gynaecological emergencies  
R.A. Kubik-Huch; Baden/CH

C. Imaging of obstetric and puerperal emergencies  
J. McHugo; Birmingham/UK

---

= Interactive session with electronic voting/self assessment
**ECR Academies**

**Interactive Teaching Sessions**

**Wednesday, March 4, 08:30–10:00, Room A**

**E³ 121** Changes of the gastrointestinal tract after treatment

A. Gastrointestinal tumours  
   A. Laghi; Latina/IT  
B. Non-tumoural intestinal diseases  
   J. Rimola; Barcelona/ES

**Wednesday, March 4, 10:30–12:00, Room A**

**E³ 221** The treated breast: what you need to know  
**LEVEL II**

A. Imaging after treatment of benign breast conditions  
   J. Camps Herrero; Valencia/ES  
B. Imaging after treatment of breast cancer  
   M.H. Fuchsjäger; Graz/AT

**Thursday, March 5, 08:30–10:00, Room A**

**E³ 521** What to look for after treatment of lung cancer  
**LEVEL II**

A. Imaging of surgically treated lung cancer  
   C.P. Heussel; Heidelberg/DE  
B. Imaging of non-surgical treatment of lung cancer  
   B. Ghaye; Brussels/BEL

**Thursday, March 5, 10:30–12:00, Room A**

**E³ 621** The treated liver  
**LEVEL II**

A. Imaging of liver transplantation  
   J.B. Karani; London/UK  
B. Imaging of treated liver tumours  
   I. Bargellini; Pisa/IT

**Friday, March 6, 08:30–10:00, Room A**

**E³ 921** Thoracic changes after treatment  
**LEVEL II**

A. Drug-related conditions  
   T. Franquet; Barcelona/ES  
B. Device-related conditions  
   G.R. Ferretti; Grenoble/FR

**Friday, March 6, 10:30–12:00, Room A**

**E³ 1021** Head and neck cancer after treatment: what you need to know  
**LEVEL II**

A. Imaging after surgical treatment  
   M. Lell; Erlangen/DE  
B. Imaging after radiotherapy/chemotherapy  
   T. Beale; London/UK

---

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

### Interactive Teaching Sessions

#### Friday, March 6, 16:00–17:30, Room A

**E³ 1221** Unexpected findings on brain MRI  
A. Hydrocephalus: atrophy or just normal  
S. Langner; Greifswald/DE  
B. Incidental lesions on a brain MRI  
E.T. Tali; Ankara/TR

#### Saturday, March 7, 08:30–10:00, Room A

**E³ 1321** Diagnostic evaluation of bone tumours  
A. Bone tumours: benign or malignant?  
H.-J. van der Woude; Amsterdam/NL  
B. Pseudotumours: mimic bone tumours  
F.M.H.M. Vanhoenacker; Antwerp/BE

#### Saturday, March 7, 14:00–15:30, Room A

**E³ 1521** Skull base lesions  
A. Imaging of the cavernous sinus and the anterior skull base  
D. Farina; Brescia/IT  
B. Imaging of the central skull base  
D. A. Varoquaux; Marseille/FR

#### Saturday, March 7, 16:00–17:30, Room A

**E³ 1621** Cardiac imaging  
A. Patterns of delayed enhancement  
P. Hunold; Lübeck/DE  
B. Cardiomyopathies: from diagnosis to prognosis  
A. Jacquier; Marseille/FR

#### Sunday, March 8, 08:30–10:00, Room A

**E³ 1721** Cardiac CT: from stenosis assessment to risk stratification  
A. CT for risk stratification  
R. Marano; Rome/IT  
B. Cardiac CT in the emergency room  
G. Feuchtner; Innsbruck/AT

#### Sunday, March 8, 10:30–12:00, Room A

**E³ 1821** Evaluation of patients with lung emphysema  
A. Pretherapeutic evaluation of lung emphysema  
M. Prokop; Nijmegen/NL  
B. Diagnostic work-up after treatment of lung emphysema  
N. Sverzellati; Parma/IT

---

= Interactive session with electronic voting/self assessment
Modern Imaging of the GI Tract

The programme will be concluded with a self-assessment test, which will be available to ECR delegates during the congress and afterwards online in the ‘ESR Self-Assessment’ platform.
Top radiologists read more than just images

www.european-radiology.org
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.

During the ECR, one ECR Master Class is offered for each subspecialty in radiology (CIRSE [one on vascular and one on interventional radiology], ESCR, ESER, ESGAR, ESHNR, ESMOFIR, ESNR, ESOI, ESPR, ESSR, ESTI, ESUR, EUSOBI).
ECR Master Classes

**5 March**

**Thursday, March 5, 16:00–17:30, Room D1**

**Chest**

E³ 826  Lung cancer staging  LEVEL III

Moderator: E. Castañer; Sabadell/ES

A. Limitations and perspectives  
A.R. Larici; Rome/IT

B. CT phenotypes of adenocarcinoma  
M. Das; Maastricht/NL

C. Functional imaging of lung cancer heterogeneity  
O.L. Sedlaczek; Heidelberg/DE

**6 March**

**Friday, March 6, 08:30–10:00, Room MB 2**

**Paediatric**

E³ 926a  Advances in paediatric imaging  LEVEL III

Moderator: P. Tomà; Rome/IT

A. The CNS  
J.F. Schneider; Basle/CH

B. The MSK - infectious inflammatory disorders  
M. Alison; Paris/FR

C. The abdomen  
M. Raissaki; Iraklion/GR

**6 March**

**Friday, March 6, 08:30–10:00, Room MB 3**

**Interventional Radiology**

E³ 926b  The leading role of interventional radiology in a major trauma center  LEVEL III

» Chairman’s introduction: logistics and imaging of trauma: what do we really need?  
A.-M. Belli; London/UK

A. Chest trauma  
J. Lannner; Vienna/AT

B. Upper abdominal trauma  
O.M. van Delden; Amsterdam/NL

C. Pelvic trauma: not only arteries  
R. Bale; Innsbruck/AT

**6 March**

**Friday, March 6, 16:00–17:30, Room G**

**Vascular**

E³ 926c  Uterine and prostate embolisation  LEVEL III

Moderator: T. Sabharwal; London/UK

A. Symptomatic uterine fibroids  
J.-P. Pelage; Caen/FR

B. Benign hypertrophy of the prostate  
H. Rio Tinto; Lisbon/PT

C. Post-partum haemorrhage (PPH)  
T.J. Kroencke; Augsburg/DE

**6 March**

**Friday, March 6, 16:00–17:30, Room MB 4**

**Emergency Radiology**

E³ 1226b  Acute postoperative complications in the abdomen: from diagnosis to therapy  LEVEL III

» Chairman’s introduction: the role of imaging in the early detection of postsurgical complications  
D.R. Kool; Nijmegen/NL

A. Gastrointestinal tract  
M.A. Patak; Zurich/CH

B. Liver and pancreas  
S. Wirth; Munich/DE

C. Genitourinary tract  
R.H. Oyen; Leuven/BE

» Panel discussion: Time is gold - where and when can we go faster?

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

### Cardiac
**E³ 1226c** Cardiac MR imaging

**Moderator:** P. Croisille; Saint-Etienne/FR

- **A.** T1 and T2 mapping
  - C. Lücke; Leipzig/DE

- **B.** Quantification of myocardial perfusion by MRI
  - K. Kitaagawa; Mie/JP

- **C.** 4D MR perfusion imaging of the myocardium
  - R. Manka; Zurich/CH

### Molecular Imaging
**E³ 1226d** Chemical exchange saturation transfer (CEST): a new toy for molecular imaging?

**Moderator:** O. Clément; Paris/FR

- **A.** Physical principle
  - M. Bock; Freiburg/DE

- **B.** Probes
  - S. Aime; Turin/IT

- **C.** Clinical applications
  - S. Walker-Samuel; London/UK

### Oncologic Imaging
**E³ 1326** Imaging tumour phenotype: the future is now

**Moderator:** D. Regge; Turin/IT

- **A.** Radiogenomics for cancer: phenotypic and genomic heterogeneity
  - P.L. Choyke; Bethesda, MD/US

- **B.** Imaging tumour heterogeneity and perfusion: predicting tumour behaviour
  - V.J. Goh; London/UK

- **C.** Molecular imaging: visualising the characteristics of cancer cells
  - G. Cook; London/UK

### Head and Neck
**E³ 1626a** Cone-beam vs multi-detector CT in head and neck imaging

**Moderator:** A. Trojanowska; Lublin/PL

- **A.** Understanding image quality and radiation dose in MDCT and CBCT
  - M. Kachelrieß; Heidelberg/DE

- **B.** My finest cone-beam CT cases
  - J.W. Casselman; Bruges/BE

- **C.** What can be missed on cone-beam CT: pitfalls and challenges
  - R. Maroldi; Brescia/IT

  » Panel discussion: Cone-beam vs multi-detector CT: pro’s and con’s
  - A. Trojanowska; Lublin/PL

### Breast
**E³ 1626b** Breast imaging: improving the information to women

**Moderator:** F. Sardanelli; San Donato Milanese/IT

- **A.** Overdiagnosis in breast cancer screening
  - N. Houssami; Sydney/AU

- **B.** Breast density, interval cancers, and underdiagnosis
  - R.M. Pijnappel; Utrecht/NL

- **C.** Preoperative breast MRI
  - K. Pinker-Domenig; Vienna/AT

  » Panel discussion: How to deliver information to women on difficult and complex issues?

---

= Interactive session with electronic voting/self assessment
**E³ – ECR Master Classes**

**Saturday, March 7, 16:00–17:30, Room G**

**Neuro**

**E³ 1626c Epilepsy**

**Moderator:** T. Stojić-Opincal, Belgrade/RS

A. *How to image epilepsy in children and adults*
   - K. Koprivsek, Sremska Kamenica/RS

B. *How to report MRI in patients with epilepsy*
   - D. Zlatareva, Sofia/BG

C. *MRI, electroclinical and neuropathological correlations*
   - N. Colombo, Milan/IT

**Sunday, March 8, 08:30–10:00, Room E1**

**Musculoskeletal**

**E³ 1726 Osteomyelitis versus gout: what are the pearls?**

**Moderator:** L.M. Sconfienza, San Donato Milanese/IT

A. *X-ray: classical patterns and challenging features*
   - A. Cotten, Lille/FR

B. *MRI features and their differential diagnosis*
   - S. J. Ostlere, Oxford/UK

C. *Ultrasound and DECT features in gout*
   - A. Klauser, Innsbruck/AT

* = Interactive session with electronic voting/self assessment
Mini Course

The Joint Course of the ESR and RSNA (Radiological Society of North America) focuses on emergency radiology.

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.
Mini Course

Joint Course of the ESR and RSNA (Radiological Society of North America): Emergency Radiology

Thursday, March 5, 08:30–10:00, Room MB 4
**MC 528 Abdominal emergencies**

**Moderators:** S.E. Mirvis; Baltimore, MD/US
A. Palkó; Szeged/HU

A. Abdominal injuries
A. Palkó; Szeged/HU

B. The enemy within: non-traumatic abdominal emergencies
R.J. Zagoria; San Francisco, CA/US

C. Interactive case discussion
A. Palkó; Szeged/HU
R.J. Zagoria; San Francisco, CA/US

--

Thursday, March 5, 10:30–12:00, Room MB 4
**MC 628 Chest emergencies**

**Moderators:** S.E. Mirvis; Baltimore, MD/US
A. Palkó; Szeged/HU

A. Thoracic injuries
S.E. Mirvis; Baltimore, MD/US

B. Non-traumatic thoracic emergencies
C.M. Schaefer-Prokop; Amersfoort/NL

C. Interactive case discussion
S.E. Mirvis; Baltimore, MD/US
C.M. Schaefer-Prokop; Amersfoort/NL

--

Thursday, March 5, 14:00–15:30, Room MB 4
**MC 728 CNS emergencies**

**Moderators:** S.E. Mirvis; Baltimore, MD/US
A. Palkó; Szeged/HU

A. CNS trauma and neurovascular injury
H.A. Rowley; Madison, WI/US

B. CNS non-traumatic emergencies
M. Smits; Rotterdam/NL

C. Interactive case discussion
H.A. Rowley; Madison, WI/US
M. Smits; Rotterdam/NL

--

Thursday, March 5, 16:00–17:30, Room MB 4
**MC 828 General principles: paediatric and ENT emergencies**

**Moderators:** S.E. Mirvis; Baltimore, MD/US
A. Palkó; Szeged/HU

A. General principles
U. Linsenmaier; Munich/DE

B. Challenges of imaging paediatric abdominal emergencies
C.J. Sivit; Cleveland, OH/US

C. Imaging in ENT emergencies
D. Nunez; New Haven, CT/US

---

= Interactive session with electronic voting/self assessment
Pros & Cons Session

The Pros & Cons Session will examine the controversial topic: ‘Breast cancer: to screen or not to screen?’ The session will be split into one interactive and one non-interactive part.

5 March
Thursday, March 5, 16:00–17:30, Room C

PS 827 Breast cancer: to screen or not to screen?

Moderator: F. Sardanelli; San Donato Milanese/IT
Teaser: N. Houssami; Sydney/AU

A. Mammographic screening: pros
   A. Frigerio; Turin/IT

B. Mammographic screening: cons
   A.B. Miller, Toronto, ON/CA

Questions and answers
   F. Sardanelli, San Donato Milanese/IT
   N. Houssami, Sydney/AU

= Interactive session with electronic voting/self assessment
MORE THAN 20,000 POSTERS
NOW OPTIMISED FOR SMARTPHONES
AND TABLETS

EPOS™
Electronic Presentation Online System

epos.myESR.org

EUROPEAN SOCIETY
OF RADIOLOGY
Multimedia Classroom

Competitors:
E. Neri, Pisa/IT
D. Regge, Turin/IT

Due to its remarkable success at ECR 2014, the Multimedia Classroom will take place again at ECR 2015.

In this classroom, participants get a chance to solve cases on workstations supplied by several different companies.

2D and 3D image review and processing at the workstation are essential steps in the radiological workflow, which lead to the final diagnosis and report. Every radiologist needs to be trained in these tasks.

Places are allocated on a first-come, first-served basis.
Programme by Session Type

**Multimedia Classroom**

**5 March**

**Thursday, March 5, 10:30–12:00, Room Q**

**MM 6** Cardiac CT

*Chairman:* F. Cademartiri; Monastier di Treviso/IT

*Speaker of the Case review:* G. Bastarrika; Pamplona/ES

*Tutors:*  
F. Bamberg; Munich/DE  
K. Gruszczynska; Katowice/PL  
A. Jacquier; Marseille/FR  
C. Peebles; Southampton/UK  
M. Rengo; Latina/IT

**6 March**

**Friday, March 6, 14:00–15:30, Room Q**

**MM 11** CT angiography

*Chairman:* C. Catalano; Rome/IT

*Speaker of the Case review:* I. Carbone; Rome/IT

*Tutors:*  
L. Saba; Cagliari/IT  
G. Groezinger; Tubingen/DE  
M. Anzidei; Rome/IT  
J. Habets; Utrecht/NL  
D. Beitzke; Vienna/AT

**5 March**

**Thursday, March 5, 14:00–15:30, Room Q**

**MM 7** CT angiography

*Chairman:* C. Catalano; Rome/IT

*Speaker of the Case review:* I. Carbone; Rome/IT

*Tutors:*  
L. Saba; Cagliari/IT  
G. Groezinger; Tubingen/DE  
M. Anzidei; Rome/IT  
J. Habets; Utrecht/NL  
D. Beitzke; Vienna/AT

**5 March**

**Thursday, March 5, 16:00–17:30, Room Q**

**MM 8** Oncologic imaging

*Chairman:* V.J. Goh; London/UK

*Speaker of the Case review:* I. Bargellini; Pisa/IT

*Tutors:*  
F. Nensa; Essen/DE  
M. Schammann; Heilbron/DE  
D. Prezzi; Brighton/UK  
F. Astejano; Sommariva Perno/IT  
C.N. De Cecco; Rome/IT  
E. Rachetta; Candiolo/IT

**6 March**

**Friday, March 6, 10:30–12:00, Room Q**

**MM 10** MDCT in emergencies

*Chairman:* M. Scaglione; Castel Volturno/IT

*Speaker of the Case review:* U. Linsenmaier; Munich/DE

*Tutors:*  
G. Goh; Melbourne/AU  
F.H. Berger; Amsterdam/NL  
J.M. Artigas; Zaragoza/ES  
S. Vaidya; London/UK  
V. Miele; Rome/IT

**7 March**

**Saturday, March 7, 10:30-12:00, Room Q**

**MM 14** Oncologic imaging

*Chairman:* V.J. Goh; London/UK

*Speaker of the Case review:* I. Bargellini; Pisa/IT

*Tutors:*  
F. Nensa; Essen/DE  
M. Schammann; Heilbron/DE  
D. Prezzi; Brighton/UK  
F. Astejano; Sommariva Perno/IT  
C.N. De Cecco; Rome/IT  
E. Rachetta; Candiolo/IT

**7 March**

**Saturday, March 7, 14:00–15:30, Room Q**

**MM 15** MDCT in emergencies

*Chairman:* M. Scaglione; Castel Volturno/IT

*Speaker of the Case review:* U. Linsenmaier; Munich/DE

*Tutors:*  
G. Goh; Melbourne/AU  
F.H. Berger; Amsterdam/NL  
J.M. Artigas; Zaragoza/ES  
S. Vaidya; London/UK  
V. Miele; Rome/IT
Refresher Courses
Scientific Sessions

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.

Accepted papers for oral presentation are presented in the Scientific Sessions. Places are allocated on a first-come, first-served basis.
Refresher Courses / Scientific Sessions
Abdominal and Gastrointestinal

**Wednesday, March 4, 08:30–10:00, Room B**

**RC 101** Pitfalls in interpretation in pancreatic imaging

- **Chairman’s introduction**
  R. Pozzi-Mucelli; Verona/IT

- **A. Pancreatic cancer or pancreatitis**
  R. Manfredi; Verona/IT

- **B. Cystic tumours vs pseudocysts**
  M.A. Bali; Brussels/BE

- **C. Incidental findings**
  C. Stoupis; Männedorf/CH

- **Panel discussion: How do we manage difficult cases and incidental findings?**

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

**SS 201a** Liver MRI

- **Moderators:** P. Leander; Malmö/SE
  M.A. Patak; Zurich/CH

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

**SS 301a** Diffuse liver and pancreatic diseases

- **Moderators:** M.A. Bali; Brussels/BE
  L. Crocetti; Pisa/IT

**Wednesday, March 4, 16:00–17:30, Room B**

**RC 401** Misses and difficulties in abdominal imaging

- **Chairman’s introduction**
  J. Stoker; Amsterdam/NL

- **A. Mesentery and peritoneum**
  D. Akata; Ankara/TR

- **B. Occult GI bleeding**
  A. Filippone; Chieti/IT

- **C. Bowel dilatation**
  E. Danse; Brussels/BE

- **Panel discussion: What have I learned from misses? Can improvements be made to reduce misses?**

**Thursday, March 5, 08:30–10:00, Room B**

**RC 501** The many faces of benign liver lesions

- **Moderator:** L. Grenacher; Heidelberg/DE

- **A. Vascular**
  M. Karcaaltincaba; Ankara/TR

- **B. Cystic-Biliary**
  G. Brancatelli; Palermo/IT

- **C. Hepatocellular**
  R.L. Baron; Chicago, IL/US

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

**SS 601a** Focal liver lesions

- **Moderators:** M. Krokidis; Cambridge/UK
  B. Marinecek; Cleveland, OH/US

**Thursday, March 5, 14:00–15:30, Room B**

**SS 701a** Liver steatosis and fibrosis

- **Moderators:** M. Bruegel; Munich/DE
  L. Martí-Bonmatí; Valencia/ES

**Thursday, March 5, 14:00–15:30, Room MB 2**

**SS 701b** Colonic imaging

- **Moderators:** P. Lefere; Roeselare/BE
  T. Mang; Vienna/AT
**Refresher Courses / Scientific Sessions**

**Abdominal and Gastrointestinal**

**6 March**

**Friday, March 6, 08:30–10:00, Room B**

RC 901  Technical advances in liver and pancreatic imaging

**Moderator:** C. Bartolozzi; Fisa/IT

A. CEUS and elastography  
G.H. Mostbeck; Vienna/AT

B. MRI: diffusion, perfusion and elastography  
B.E. Van Beers; Clichy/FR

C. Liver-specific contrast agents  
B.J. Op de Beeck; Antwerp/BE

**Friday, March 6, 10:30–12:00, Room F2**

SS 1001  Rectal cancer and anorectal imaging

**Moderators:** L. Curvo-Semedo; Coimbra/PT  
F. Maccioni; Rome/IT

**7 March**

**Saturday, March 7, 08:30–10:00, Room B**

RC 1301  Pancreatic inflammation

**Moderator:** G. Morana; Treviso/IT

A. Acute pancreatitis  
M. Zins; Paris/FR

B. Chronic pancreatitis and IPMN  
C. Matos; Brussels/BE

C. Para-duodenal and autoimmune pancreatitis  
S.A. Jackson; Plymouth/UK

**Saturday, March 7, 10:30–12:00, Room F2**

SS 1401  Abdominal and vascular imaging

**Moderators:** M.M. Maher; Cork/IE  
M. Ronot; Clichy/FR

**7 March**

**Saturday, March 7, 16:00–17:30, Room B**

RC 1601  From my workstation: difficult cases on review

» Chairman’s introduction  
A. Maier; Vienna/AT

A. Pancreas  
C. Triantopoulou; Athens/GR

B. Small bowel  
E. Biscaldi; Genoa/IT

C. Rectum  
D.M. Lambregts; Maastricht/NL

» Panel discussion: What can we learn from challenging cases?

**8 March**

**Sunday, March 8, 08:30–10:00, Room B**

RC 1701  Colorectal cancer liver metastases: assessing tumour response

» Chairman’s introduction  
C.D. Becker; Geneva/CH

A. Current treatment options  
T.K. Helmberger; Munich/DE

B. Morphological biomarkers  
S. Skehan; Dublin/IE

C. Functional biomarkers  
D.-M. Koh; Sutton/UK

» Panel discussion: The “vanishing” lesions: what to do?

**8 March**

**Sunday, March 8, 10:30–12:00, Room M**

SS 1801  HCC diagnosis and treatment

**Moderators:** C. Ayuso Colella; Barcelona/ES  
A. Furlan; Pittsburgh, PA/US

**8 March**

**Sunday, March 8, 14:00–15:30, Room B**

SS 1901a  Pancreas: tumours, pancreatitis

**Moderators:** V. Maniatis; Athens/GR  
P. Rodríguez; Madrid/ES

**8 March**

**Sunday, March 8, 14:00–15:30, Room M**

SS 1901b  Liver CT and ultrasound: new techniques

**Moderators:** M. Laniado; Dresden/DE  
V. Vandecaveye; Leuven/BE
Wednesday, March 4, 08:30–10:00, Room F2

**RC 102  Breast ultrasound 2015**  LEVEL III

**Moderator:** K. Kinkel, Chêne-Bougeries/CH

A. Evidence for screening in dense breasts  
V. Girardi, Brescia/IT

B. Elastosonography: true advances or false hope?  
C. S. Balleyguier, Villejuif/FR

C. Nodal staging of breast cancer: still needed?  
S. C. E. Diepstraten, Utrecht/NL

Wednesday, March 4, 10:30–12:00, Room C

**SS 202a  Imaging for neoadjuvant chemotherapy**

**Moderators:**  
P. Martinez-Miravete, Zaragoza/ES  
F. Thibault, Paris/FR

Wednesday, March 4, 10:30–12:00, Room D1

**SS 202b  Axillary imaging and nodal staging**

**Moderators:**  
A. Athanasiou, Paris/FR  
M. Dietzel, Jena/DE

Wednesday, March 4, 14:00–15:30, Room A

**SS 302a  Breast density and imaging biomarkers**

**Moderators:**  
L. A. Carbonaro, San Donato Milanese/IT  
C. Colin, Lyon/FR

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

**SS 302b  Risk imaging and stratification**

**Moderators:**  
E. Azavedo, Stockholm/SE  
P. A. T. Baltzer, Vienna/AT

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

**RC 402  Radio-pathological correlation: more important than you thought**  LEVEL III

» Chairman's introduction  
F. J. Gilbert, Cambridge/UK

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

B. Intra-operative specimen evaluation  
J. Camps Herrero, Valencia/ES

C. Radiologist meets pathologist  
B. Ingold-Heppner, Berlin/DE

» Panel discussion: How to enhance the interaction between radiologists and pathologists?
Saturday, March 7, 08:30–10:00, Room F2
RC 1302  Tailoring breast cancer screening to risk level

Moderator: B. Brkljačić; Zagreb/HR
A. Calculating, using and improving individual risk estimates
  S.W. Duffy; London/UK
B. Intermediate risk: the grey zone
  S.H. Heywang-Köbrunner; Munich/DE
C. High risk: MRI alone?
  F. Sardanelli; San Donato Milanese/IT

Saturday, March 7, 10:30–12:00, Room C
SS 1402  Digital breast tomosynthesis: the new mammography

Moderators: A.M.J. Bluekens; Tilburg/NL
R. Schulz-Wendtland; Erlangen/DE

Saturday, March 7, 14:00–15:30, Room F2
RC 1502  Update on BI-RADS

Moderator: L.J. Pina Insausti; Pamplona/ES
A. Mammography
  U. Bick; Berlin/DE
B. Ultrasound
  A. Evans; Dundee/UK
C. MRI
  P.A.T. Baltzer; Vienna/AT

Sunday, March 8, 08:30–10:00, Room F2
RC 1702  Emerging breast imaging technologies

Moderator: P. Skaane; Oslo/NO
A. Digital breast tomosynthesis (DBT)
  D. Bernardi; Trento/IT
B. Multiparametric high-field MRI and more
  N.N.
C. High-resolution radionuclide breast imaging (PEM and molecular imaging)
  M. Herranz; Santiago/ES

Sunday, March 8, 10:30–12:00, Room C
SS 1802  Population-based screening

Moderators: E.J. Cornford; Nottingham/UK
K. Pinker-Domenig; Vienna/AT

Sunday, March 8, 14:00–15:30, Room A
SS 1902a Multiparametric MRI and PET

Moderators: E.M. Fallenberg; Berlin/DE
V. Girardi; Verona/IT

Sunday, March 8, 14:00–15:30, Room C
SS 1902b Preoperative imaging

Moderators: P. Panizza; Milan/IT
S. Perez Rodrigo; Madrid/ES
Refresher Courses / Scientific Sessions
Cardiac

**Wednesday, March 4, 08:30–10:00, Room MB 2**
RC 103 Hybrid cardiovascular imaging: where should we go? [LEVEL III]

Moderator: G. Feuchtner; Innsbruck/AT
A. PET/CT: present state and future prospects
   S.G. Nekolla; Munich/DE
B. SPECT/CT: is it just PET/CT’s little brother?
   M. Hacker; Vienna/AT
C. MR/PET: do we really need it?
   H.H. Quick; Essen/DE

**Wednesday, March 4, 10:30–12:00, Room MB 2**
SS 203a Tissue characterisation
Moderators: N. Kawel-Bohm; Basle/CH
   B. Velthuis; Utrecht/NL

**Wednesday, March 4, 10:30–12:00, Room MB 3**
SS 203b Heart rate: disorders and imaging issues
Moderators: M. Grothoff; Leipzig/DE
   R.J. Perea; Barcelona/ES

**Wednesday, March 4, 14:00–15:30, Room MB 3**
SS 303a Coronary atherosclerosis
Moderators: N.R. Mollet; Turnhout/BE
   M. Urbanczyk-Zawadzka; Krakow/PL

**Wednesday, March 4, 14:00–15:30, Room MB 3**
SS 303b Cardiac function and flow
Moderators: P. Croisille; Saint-Etienne/FR
   P. Donato; Coimbra/PT

**Wednesday, March 4, 16:00–17:30, Room MB 2**
RC 403 Quantification of myocardial perfusion: which test is the best (PET, MRI, MDCT)? [LEVEL III]
Moderator: M. Williams; Edinburgh/UK
A. PET for evaluation of perfusion, absolute myocardial blood flow and coronary flow reserve
   S. Kajander; Turku/FI
B. Stress perfusion CT imaging for the detection and quantification of relevant coronary stenosis
   F. Bamberg; Munich/DE
C. Analysis of myocardial perfusion using MRI
   R. Manka; Zurich/CH

**Thursday, March 5, 08:30–10:00, Room MB 2**
RC 503 Imaging of cardiac valves: new trends [LEVEL III]
Moderator: F. Puigjues; London/UK
A. Echocardiography remains the reference technique
   T. Binder; Vienna/AT
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

**Thursday, March 5, 10:30–12:00, Room MB 3**
SS 603a Myocardial infarction and coronary intervention
Moderators: M. Francone; Rome/IT
   M. Gutberlet; Leipzig/DE

**Thursday, March 5, 10:30–12:00, Room MB 3**
SS 603b Valvular disease
Moderators: G. Feuchtner; Innsbruck/AT
   M. Gardarsdottir; Reykjavik/IS

**Thursday, March 5, 14:00–15:30, Room MB 3**
SS 703 Work-up of coronary artery disease
Moderators: M. Das; Maastricht/NL
   S. Mirsadraee; Edinburgh/UK

**Thursday, March 5, 16:00–17:30, Room MB 2**
RC 803 Imaging of heart failure [LEVEL III]
   » Chairman’s introduction
     M. Gutberlet; Leipzig/DE
   A. Current ESC and AHA guidelines: how to choose imaging techniques in heart failure patients?
     J.T. Ortiz-Pérez; Barcelona/ES
   B. Differentiating the causes for heart failure: is MRI the undisputable gold standard?
     T. Leiner; Utrecht/NL
   C. SPECT as an alternative imaging technique
     F. Bengel; Hannover/DE
   » Panel discussion: What is the preferred comprehensive imaging test in heart failure?
Refresher Courses / Scientific Sessions
Cardiac

**Sunday, March 8, 10:30–12:00, Studio 2015**

**SS 1803 Biomarkers in cardiac imaging**

*Moderators:*
- A. Kalifatidis, Thessaloniki/GR
- T. Leiner, Utrecht/NL

**Friday, March 6, 10:30–12:00, Room N**

**SS 1003a Myocardial perfusion imaging**

*Moderators:*
- R.W. Bauer; Frankfurt/DE
- G.I. Kirova-Nedialkova; Sofia/BG

**Friday, March 6, 10:30–12:00, Room MB 3**

**SS 1003b Non-ischaemic myocardial disease**

*Moderators:*
- I. Carbone; Rome/IT
- S.D. Rud; St. Petersburg/RU
Programme by Session Type

**Refresher Courses / Scientific Sessions**

**Chest**

**Wednesday, March 4, 08:30–10:00, Room D1**

**RC 104** Pulmonary vasculitis and collagen vascular diseases

- **Moderator:** A. Persson; Linköping/SE
- A. Pulmonary manifestations of collagen vascular diseases
  S.R. Desai; London/UK
- B. Large-vessel vasculitis
  J. Vilar; Valencia/ES
- C. HRCT patterns in pulmonary vasculitis
  C.M. Schaefer-Prokop; Amersfoort/NL
- D. Inflammation and remodeling
  A.A. Bankier, Boston, MA/US

**Wednesday, March 4, 14:00–15:30, Room D1**

**SS 304** Interventional procedures and follow-up

- **Moderators:** I. Vollmer, Barcelona/ES
  J.E. Wildberger, Maastricht/NL

**Wednesday, March 4, 16:00–17:30, Room D1**

**RC 404** HRCT - patterns in chest radiology: back to basics and beyond

- **Chairman’s introduction**
  H. Prosch; Vienna/AT
- 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. GGO opacities and consolidation
  I.E. Tyurin; Moscow/RU
- **Panel discussion:** Is it always easy to detect a pattern? Tips for success

**Thursday, March 5, 08:30–10:00, Room D1**

**RC 504** COPD, airways disease and beyond

- **Chairman’s introduction**
  P.A. Grenier, Paris/FR
- A. COPD in HRCT: what should we report?
  S. Sverzellati; Parma/IT
- B. Airways disease: the role of expiratory CT
  A. Devaraj, London/UK
- C. Is there a role for MRI?
  M.O. Welpütz; Heidelberg/DE
- **Panel discussion:** When should we do expiratory CT, and when should we consider making a MRI?

**Thursday, March 5, 10:30–12:00, Room D1**

**SS 604** Pulmonary nodule

- **Moderators:** C. Mueller-Mang, Vienna/AT
  M. Sánchez, Barcelona/ES

**Thursday, March 5, 14:00–15:30, Room D1**

**SS 704** Lung cancer: screening and staging

- **Moderators:** F. Gleeson, Oxford/UK
  T. Henzler, Mannheim/DE

**Friday, March 6, 10:30–12:00, Room D1**

**SS 1004** Pulmonary hypertension and thromboembolic disease

- **Moderators:** E.E.J.G. Coche; Brussels/BE
  B. Graca; Coimbra/PT

**Friday, March 6, 16:00–17:30, Room D1**

**RC 1204** Mediastinal disease revisited

- **Moderator:** J. Dinkel, Heidelberg/DE
- A. The crucial role of chest x-ray: mediastinal lines and stripes
  J. Cáceres, Barcelona/ES
- B. Mediastinal masses: role of CT
  V.E. Sinitsyn; Moscow/RU
- C. A new look at the mediastinum: role of MRI and PET-CT
  E.J.R. van Beek; Edinburgh/UK
Programme by Session Type

Refresher Courses / Scientific Sessions

Chest

Saturday, March 7, 08:30–10:00, Room D1
RC 1304  Occupational lung diseases: the known and the less known

Moderator: N. Karabulut, Denizli/TR
A. Silicosis and coal worker's pneumoconiosis
K. Marten-Engelke, Göttingen/DE
B. Asbestos-related disease
S.J. Copley, London/UK
C. Uncommon occupational lung diseases
L. Flors, Valencia/ES

Saturday, March 7, 10:30–12:00, Room D1
SS 1404  CT dose reduction and MR indications

Moderators: J. Broncano, Cordoba/ES
K. Malagari, Papagou, Athens/GR

Saturday, March 7, 14:00–15:30, Room D1
RC 1504  Pulmonary arterial hypertension

Moderator: R. Cesar, Golnik/SI
A. An overview of pulmonary artery hypertension
N.J. Screaton, Cambridge/UK
B. CT in pulmonary artery hypertension
M.-P. Revel, Paris/FR
C. MRI in pulmonary artery hypertension
J. Biederer, Groß-Gerau/DE

Sunday, March 8, 10:30–12:00, Room D1
SS 1804  Obstructive pulmonary diseases and reduced lung function

Moderators: A.P. Parkar, Bergen/NO
N.N.

Sunday, March 8, 14:00–15:30, Room D1
SS 1904  Infection, transplantation and quality issues

Moderators: E. Eisenhuber-Stadler, Vienna/AT
C. McCann, Liverpool/UK
## Refresher Courses / Scientific Sessions
### Computer Applications

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>Session Title</th>
<th>Chairmen</th>
<th>Presenters</th>
<th>Moderators</th>
<th>Panel Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 March</td>
<td>Wednesday, 08:30–10:00, Room N</td>
<td>RC 105</td>
<td>Mobile IT in radiology</td>
<td>Chairman’s introduction</td>
<td>E. Neri, Freiburg/DE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 March</td>
<td>Wednesday, 14:00–15:30, Room Z</td>
<td>SS 305</td>
<td>Imaging biomarkers</td>
<td>Chairman’s introduction</td>
<td>J. Fernandez-Bayò, Sabadell/ES</td>
<td>A. Alberich-Bayarri, Valencia/ES</td>
<td></td>
</tr>
<tr>
<td>5 March</td>
<td>Thursday, 10:30–12:00, Room Z</td>
<td>SS 605</td>
<td>Dose tracking: assessment and reduction of artefacts</td>
<td>Chairman’s introduction</td>
<td>N. Kachenoura, Paris/FR</td>
<td>J.H. Thrall, Boston, MA/US</td>
<td></td>
</tr>
<tr>
<td>6 March</td>
<td>Friday, 16:00–17:30, Room MB 3</td>
<td>RC 1205</td>
<td>Update on computer-aided diagnosis (CAD)</td>
<td>Chairman’s introduction</td>
<td>M. Langer, Freiburg/DE</td>
<td>S.A. Taylor, London/UK</td>
<td>Is CAD ready for prime time?</td>
</tr>
<tr>
<td>8 March</td>
<td>Sunday, 10:30–12:00, Room Z</td>
<td>SS 1805</td>
<td>Data sharing and content-based data retrieval</td>
<td>Chairman’s introduction</td>
<td>P. Sögner, Feldkirch/AT</td>
<td>C.G. Trumm, Munich/DE</td>
<td></td>
</tr>
<tr>
<td>8 March</td>
<td>Sunday, 14:00–15:30, Room Z</td>
<td>SS 1905</td>
<td>Methods for image interpretation and reporting</td>
<td>Chairman’s introduction</td>
<td>C.E. Kahn, Philadelphia, PA/US</td>
<td>P. Puech, Lille/FR</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Room</td>
<td>Session Title</td>
<td>Moderators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
<td>----------</td>
<td>---------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 March</td>
<td>08:30–10:00</td>
<td>MB 1</td>
<td>Functional and multimodality neuroimaging</td>
<td>T.H. Helbich; Vienna/AT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A.H. Jacobs; Münster/DE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V. Schulz; Aachen/DE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M. Smits; Rotterdam/NL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 March</td>
<td>10:30–12:00</td>
<td>Z</td>
<td>Clinical molecular imaging</td>
<td>M. Eisenblätter; Münster/DE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F.A. Gallagher; Cambridge/UK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 March</td>
<td>10:30–12:00</td>
<td>Z</td>
<td>Experimental molecular imaging and exploratory clinical studies</td>
<td>M. de Jong; Rotterdam/NL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M. Wildgruber; Munich/DE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Refresher Courses / Scientific Sessions
Genitourinary

**Wednesday, March 4, 08:30–10:00, Room G**

**RC 107** Stone disease: new concepts  
**LEVEL I**  
» Chairman’s introduction  
A. Magnusson; Uppsala/SE

A. From the Stone Age to the New Age  
N.C. Cowan; Portsmouth/UK

B. The contribution of imaging in planning urinary stone therapy  
U. Patel; London/UK

C. Urolithiasis: changing concepts in medical and surgical approach  
G. Kramer; Vienna/AT

» Panel discussion: What are the role density and/or volume of the stone in failure of efficient treatment of stone disease?

**Wednesday, March 4, 10:30–12:00, Room G**

**SS 207** Gynaecological malignancies  
**LEVEL I**  
Moderators: M. Horta; Lisbon/PT  
N.N.

**Wednesday, March 4, 14:00–15:30, Room G**

**SS 307** Prostate MR imaging  
**LEVEL I**  
Moderators: D. Junker; Innsbruck/AT  
J. Rørvik; Bergen/NO

**Wednesday, March 4, 16:00–17:30, Room G**

**RC 407** Prostate imaging: how I do it  
**LEVEL I**  
» Chairman’s introduction  
H.-P. Schlemmer; Heidelberg/DE

A. Detection and assessment of aggressiveness  
P. Puech; Lille/FR

B. Image-guided biopsy and staging  
F. Cornud; Paris/FR

C. Role of imaging in active surveillance and detection of recurrence  
V. Logager; Copenhagen/DK

» Panel discussion: How can multiparametric MRI be implemented as clinical standard across multiple centres?
Refresher Courses / Scientific Sessions
Genitourinary

7 March
Saturday, March 7, 08:30–10:00, Room G
RC 1307  Female pelvic imaging: how I do it?

Moderator: K. Kinkel; Chêne-Bougeries/CH
A. Imaging female congenital anomalies
   I. Thomassin-Nagqara; Paris/FR
B. PET-CT in the female pelvis: how I do it?
   A.G. Rockall; London/UK
C. How to image cystic tumours of the ovary
   R. Forstner; Salzburg/AT

7 March
Saturday, March 7, 10:30–12:00, Room G
SS 1407  Adrenal and kidney imaging

Moderators: C.D. Alt; Hamburg/DE
           O. Nikolic; Novi Sad/RS

8 March
Sunday, March 8, 10:30–12:00, Room G
SS 1807  GU special topics

Moderators: L. Bunesch Villalba; Barcelona/ES
           A. Tsili; Ioannina/GR

8 March
Sunday, March 8, 14:00–15:30, Room G
SS 1907  Urinary stones, ureters and bladder pathology

Moderators: M.L. Lobo; Lisbon/PT
           L. Ponhold; Vienna/AT
**Refresher Courses / Scientific Sessions**

**Head and Neck**

4 March **Wednesday, March 4, 08:30–10:00, Room D2**

**RC 108** Head and neck emergency: for the general radiologist or the patient?  
*Level I-II*

**Moderator:** M. Díez Blanco; Santander/ES

A. Findings that can't wait for follow-up  
M.G. Mack; Munich/DE

B. Imaging infection: when, how and why?  
M. Becker; Geneva/CH

C. Where medical history and previous images help to rule out tumour  
D. Farina; Brescia/IT

4 March **Wednesday, March 4, 10:30–12:00, Room MB 1**

**SS 208** Advanced imaging in salivary glands and lymph nodes, including elastography  

**Moderators:** A.A.A. Abdel Razek, Mansoura/EG  
L. Grzycka-Kowalczyk, Lublin/PL

4 March **Wednesday, March 4, 14:00–15:30, Room MB 1**

**SS 308** Temporal bone and temporomandibular joint imaging and new MRI techniques  

**Moderators:** S. Petrovic; Nis/RS  
J. Frühwald-Pallamar; Vienna/AT

4 March **Wednesday, March 4, 16:00–17:30, Room D2**

**RC 408** The orbit: you can’t see what you haven’t learnt  
*Level I-II*

**Moderator:** Ü.Y. Ayaz; Mersin/TR

A. Anatomy and commonly encountered postoperative findings  
N. Hosten; Greifswald/DE

B. Congenital and inflammatory disease  
T.A. Ferreira; Leiden/NL

C. Benign and malignant neoplastic tumours  
W. Müller-Forrell; Mainz/DE

5 March **Thursday, March 5, 08:30–10:00, Room D2**

**RC 508** Pitfalls in interpretation of head and neck disease  
*Level I-II*

**Moderator:** M.M. Lemmerling; Ghent/BE

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

B. Anatomical variants posing surgical risks  
T. Beale; London/UK

C. Distinct head and neck disease or systemic disease?  
B.F. Schuknecht, Zurich/CH

5 March **Thursday, March 5, 10:30–12:00, Room MB 1**

**SS 608** Oncologic imaging: CT, MRI and PET  

**Moderators:** S. Bisdas; Tübingen/DE  
C. Czerny; Vienna/AT

5 March **Thursday, March 5, 14:00–15:30, Room MB 1**

**SS 708** CT including cone beam CT: image quality, dosimetry and clinical applications  

**Moderators:** B. Gómez-Ansón; Barcelona/ES  
L. Ioseliani; Tbilisi/GE

5 March **Thursday, March 5, 16:00–17:30, Room D2**

**RC 808** Head and neck imaging: don’t sell your ultrasound yet!  
*Level I-I*

**Moderator:** S.S. Özbek; Izmir/TR

A. Salivary gland imaging with ultrasound  
N. Gritzmann; Vienna/AT

B. Masses of the soft parts of the neck  
S. Robinson; Vienna/AT

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

6 March **Friday, March 6, 10:30–12:00, Room MB 1**

**SS 1008** Thyroid and parathyroid imaging  

**Moderators:** E. Horvath; Santiago/CL  
A.S. McQueen; Newcastle upon Tyne/UK

---

82 ECR 2015 | Preliminary Programme www.myESR.org
**Refresher Courses / Scientific Sessions**

**Interventional Radiology**

**Wednesday, March 4, 08:30–10:00, Room MB 3**

**RC 109** Image fusion for image-guided interventions

- Chairman’s introduction
  V. Bérczi, Budapest/HU
- A. Cone-beam CT in vascular and non-vascular interventional procedures
  T.F. Jakobs, Munich/DE
- B. US image fusion
  C. Ewertsen, Copenhagen/DK
- C. How we can improve targeting in image-guided interventions: stereotaxis, robotics and advanced techniques
  R. Bale, Innsbruck/AT

- Panel discussion: Practical and economic issues in using high-end guidance for interventional radiology

**Wednesday, March 4, 10:30–12:00, Room D2**

**SS 209** Peripheral arterial and venous interventions

- Moderators: E. Dósa, Budapest/HU
  K. Schürmann, Dortmund/DE

**Wednesday, March 4, 14:00–15:30, Room D2**

**SS 309** Musculoskeletal interventions

- Moderators: X. Buy, Strasbourg/FR
  T. Lehnert, Frankfurt a. Main/DE

**Wednesday, March 4, 16:00–17:30, Room MB 3**

**RC 409** Basic principles of percutaneous tumour ablation

- Chairman’s introduction
  T. de Baère; Villejuif/FR
- A. Thermal ablation with RF
  V. Válek, Brno/CZ
- B. Microwave ablation: what is the difference?
  P.L. Pereira; Heilbronn/DE
- C. Cryoablation: ice can be better than heat
  D.J. Breen; Southampton/UK
- D. Irreversible electroporation: principles, technique and clinical applications
  A. Nilsson, Uppsala/SE

- Panel discussion: Selection of ablation modalities: operator’s preference or evidence based?

**Thursday, March 5, 08:30–10:00, Room MB 3**

**RC 509** Percutaneous treatment of chronic back pain and sciatica

- Chairman’s introduction
  A. Gangi; Strasbourg/FR
- A. Sacroiliac joint syndrome
  D.J. Wilson; Oxford/UK
- B. Facet joint syndrome
  A.D. Kelekis; Athens/GR
- C. Intervertebral disc syndrome
  D. Filippadis; Athens/GR

- Panel discussion: How can imaging methods identify candidates for percutaneous therapy or surgery?

**Thursday, March 5, 10:30–12:00, Room D2**

**SS 609** Neuro interventions

- Moderators: N. Amoretti, Nice/FR
  A. Ringelstein, Essen/DE

**Thursday, March 5, 14:00–15:30, Room D2**

**SS 709a** TIPS and portal vein intervention

- Moderators: A. Krajina; Hradec Králové/CZ
  A. Massmann; Homburg/DE

**Thursday, March 5, 14:00–15:30, Room K**

**SS 709b** Biopsy techniques and solid tumour ablation

- Moderators: O. Akhan; Ankara/TR
  M. Reiter; Vienna/AT

**Thursday, March 5, 16:00–17:30, Room MB 3**

**RC 809** Current trends in transarterial chemoembolisation (TACE) and radioembolisation for HCC

- Chairman’s introduction
  T.K. Helmberger; Munich/DE
- A. Imaging in therapy planning and follow-up
  M. Burrel; Barcelona/ES
- B. TACE and TAE for HCC: new agents, new schedules, new combinations
  R. Lencioni; Pisa/IT
- C. Radioembolisation: critical appraisal of techniques and guidelines for treatment
  J.I. Bilbao; Pamplona/ES

- Panel discussion: The intermediate HCC patient: how can we stratify patients and allocate them to different therapies?
Refresher Courses / Scientific Sessions
Interventional Radiology

6 March  
Friday, March 6, 10:30–12:00, Room D2  
SS 1009  Percutaneous ablation in liver tumours  
Moderators: F. Deschamps, Villejuif/FR  
F. Orsi, Milan/IT

7 March  
Saturday, March 7, 10:30–12:00, Room D2  
SS 1409  Radioembolisation and chemoembolisation in liver tumours  
Moderators: M. Burrel, Barcelona/ES  
T.A. Heusner, Dusseldorf/DE

8 March  
Sunday, March 8, 10:30–12:00, Room D2  
SS 1809  GI and abdominal interventions  
Moderators: I. Ahmed, London/UK  
A. Veltri, Orbassano, Turin/IT

8 March  
Sunday, March 8, 14:00–15:30, Room D2  
SS 1909a Embolotherapy  
Moderators: A. Bharadwaz, Aarhus/DK  
O. Pellerin, Paris/FR

8 March  
Sunday, March 8, 14:00–15:30, Room K  
SS 1909b  Aortic interventions  
Moderators: M. Köcher, Olomouc/CZ  
B. Peynircioğlu, Ankara/TR
Programme by Session Type

Refresher Courses / Scientific Sessions

Musculoskeletal

4 March

**Wednesday, March 4, 10:30–12:00, Room E1**

**SS 210** Intervention

Moderators: I. Iacucci; Rome/IT
P. Robinson; Leeds/UK

---

4 March

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

**SS 310** Fractures, spinal injuries and spine

Moderators: C. Masciocchi; L’Aquila/IT
G. Scheurecker; Linz/AT

---

4 March

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

**RC 410** Trauma to the paediatric skeleton

Moderator: K. Rosendahl; Bergen/NO

A. Pelvis/hips
N. Boutry; Lille/FR

B. Elbow
K.J. Johnson; Birmingham/UK

C. Spine
L.B.O. Jans; Ghent/BE

---

5 March

**Thursday, March 5, 10:30–12:00, Room E1**

**SS 610a** Shoulder, brachial plexus

Moderators: K.-F. Kreitner; Mainz/DE
D. Maric; Banja Luka/BA

---

5 March

**Thursday, March 5, 10:30–12:00, Room K**

**SS 610b** Lower extremity (1)

Moderators: K. Kapuscinska; Krakow/PL
N. Mamisch-Saupe; Zurich/CH

---

5 March

**Thursday, March 5, 14:00–15:30, Room E1**

**SS 710** Lower extremity (2)

Moderators: A.M. Ierardi; Milan/IT
M. Reijnierse; Leiden/NL

---

5 March

**Thursday, March 5, 16:00–17:30, Room E1**

**RC 810** The ankle and foot

Moderator: J.L. Bloem; Leiden/NL

A. Ankle sprain: patterns of injury
J.L.M.A. Gielen; Antwerp/BE

B. Inflammatory disorders
R. Lalam; Oswestry/UK

C. Tumours and tumour-like lesions
I.-M. Noebauer-Huhmann; Vienna/AT
**Refresher Courses / Scientific Sessions**

**Musculoskeletal**

**Friday, March 6, 10:30–12:00, Room E1**

**SS 1010a Tumours, systemic diseases and muscles**

Moderators: A. Baur-Melnyk, Munich/DE
A. Yakimov, Moscow/RU

**Friday, March 6, 10:30–12:00, Room MB 4**

**SS 1010b Hand, upper extremity**

Moderators: I. Beggs, Edinburgh/UK
E.E. Drakonaki, Iraklion/GR

**Friday, March 6, 16:00–17:30, Room E1**

**RC 1210 Sports injuries to the knee: improving my report**

Moderator: P. Robinson, Leeds/UK
A. Reporting meniscal tears: pitfalls and how I avoid them
G. Andreisek, Zurich/CH
B. The collateral ligaments and posterolateral corner: what are they, why do they matter and how do I assess them?
V. Vasilevska Nikodinovska, Skopje/MK
C. The patellofemoral joint and osteochondral injuries: how do I assess and what do I report?
S. Waldt, Munich/DE

**Saturday, March 7, 08:30–10:00, Room E1**

**RC 1310 How I do it and report**

Moderator: K. Wörtler, Munich/DE
A. MRI of the hip
J. Teh, Oxford/UK
B. MRI of the spine and sacroiliac joints
C. Schueller-Wedekamn, Vienna/AT
C. MRI of the hand
M. Shahabpour, Brussels/BE

**Saturday, March 7, 10:30–12:00, Room E1**

**SS 1410 Spine**

Moderators: C. Giraudo, Vienna/AT
N.N.

**Saturday, March 7, 14:00–15:30, Room E1**

**RC 1510 The hand and wrist**

Moderator: A. Plagou, Athens/GR
A. Patterns of injury
A. Navas Canete, Leiden/NL
B. Inflammatory disorders
H. Guerin, Paris/FR
C. Tumours and tumour-like lesions
E. Llopis, Valencia/ES

**Sunday, March 8, 10:30–12:00, Room E1**

**SS 1810 Arthritis**

Moderators: A. Cotten, Lille/FR
S. Weckbach, Munich/DE

**Sunday, March 8, 14:00–15:30, Room E1**

**SS 1910 Knee**

Moderators: M. Court-Payen, Copenhagen/DK
L.M. Sconfienza, San Donato Milanese/IT
Programme by Session Type

**Refresher Courses / Scientific Sessions**

**Neuro**

---

### Wednesday, March 4, 08:30–10:00, Room K
**RC 111** The paediatric brain and spine: not only tumours

**Moderator:** T.A.G.M. Huisman; Baltimore, MD/US

- A. Congenital abnormalities of the brain
  - B. Ertl-Wagner; Munich/DE

- B. Paediatric brain neuro emergencies
  - M.I. Argyropoulou; Ioannina/GR

- C. The paediatric spine: tips and tricks
  - A. Rossi; Genoa/IT

---

### Wednesday, March 4, 10:30–12:00, Room E2
**SS 211a** Inflammatory and degenerative disorders

**Moderators:** A. Bozzao; Rome/IT
N. Guberina; Essen/DE

---

### Wednesday, March 4, 14:00–15:30, Room E2
**SS 311a** Brain trauma, degenerative and spine diseases

**Moderators:** P. Barsi; Budapest/HU
N.N.

---

### Wednesday, March 4, 10:30–12:00, Room MB 5
**SS 211b** Vascular disorders, diagnosis and treatment

**Moderators:** M. Bendszus; Heidelberg/DE
K.D. Kurz; Stavanger/NO

---

### Wednesday, March 4, 14:00–15:30, Room MB 5
**SS 311b** Hypertension and stenosis

**Moderators:** S. Haller; Geneva/CH
M. Khanque; Perth, WA/AU

---

### Wednesday, March 4, 16:00–17:30, Room N
**RC 411** Imaging findings in treated brain tumours

**Moderator:** B.F. Schuknecht; Zurich/CH

- A. How to perform imaging in the postoperative patient: imaging protocols, normal and abnormal findings after surgery
  - M.A. Lucic; Sremska Kamenica/RS

- B. Understanding radiation- and chemotherapy-induced changes after treatment of brain tumours
  - Y. Özsunar; Aydin/TR

- C. Treated brain tumours: progression or pseudoprogression?
  - P.C. Maly Sundgren; Lund/SE

---

### Thursday, March 5, 08:30–10:00, Room G
**RC 511** Cerebrovascular disease

**Moderator:** M.P. Wattjes; Amsterdam/NL

- A. Vascular distribution territories: arterial and venous
  - A. Dörfler; Erlangen/DE

- B. Detecting microhaemorrhages: why are they important? what are they? Should we use GRE T2* or SWI or both?
  - H.R. Jäger; London/UK

- C. Cerebral perfusion studies in cerebrovascular disease: techniques, indications and applications
  - P.M. Parizel; Antwerp/BE

---

### Thursday, March 5, 10:30–12:00, Room MB 5
**SS 211a** Inflammatory and degenerative disorders

**Moderators:** A. Bozzao; Rome/IT
N. Guberina; Essen/DE

---

### Thursday, March 5, 14:00–15:30, Room MB 5
**SS 311a** Brain trauma, degenerative and spine diseases

**Moderators:** P. Barsi; Budapest/HU
N.N.

---

### Thursday, March 5, 14:00–15:30, Room MB 5
**SS 311b** Hypertension and stenosis

**Moderators:** S. Haller; Geneva/CH
M. Khanque; Perth, WA/AU

---
Refresher Courses / Scientific Sessions

Neuro

6 March  
Friday, March 6, 10:30–12:00, Room E2
SS 1011  Ischaemic stroke (1)
Moderators:  E. Avdagic; Sarajevo/BA  
A. Bonafe; Montpelier/FR

7 March  
Saturday, March 7, 08:30–10:00, Room E2
RC 1711  Screening for cerebral aneurysms
Moderator:  A. van der Lugt; Rotterdam/NL
A. Who are the patients that I should screen for aneurysms? Why should I screen?
What are the medicolegal ramifications?
M. Muto; Naples/IT
B. Which technique to use? CT angiography, Time-of-Flight MR angiography, contrast-enhanced MR angiography, catheter angiography
M. Voormolen; Antwerp/BE
C. The interventional neuroradiology perspective on diagnosis, management and follow-up
L. Pierot; Reims/FR

7 March  
Saturday, March 7, 10:30–12:00, Room E2
SS 1911  Advanced imaging
Moderators:  C. Mandel; East Melbourne/AU  
J. Ramalho; Lisbon/PT

8 March  
Sunday, March 8, 08:30–10:00, Room G
RC 1311  Reporting spine imaging studies
Moderator:  M.A. Papathanasiou; Athens/GR
A. Disc nomenclature and treatment strategy
M. Gallucci; L’Aquila/IT
B. What to say and not to say in your report
M.M. Thurnher; Vienna/AT
C. Introduction to structured reporting in the spine
J. Van Goethem; Antwerp/BE

8 March  
Sunday, March 8, 10:30–12:00, Room E2
SS 1011  Ischaemic stroke (2)
Moderators:  A. Biondi; Besançon/FR  
A. Kemmling; Münster/DE

8 March  
Sunday, March 8, 14:00–15:30, Room G
RC 1511  White spots in the brain
Moderator:  E.T. Tali; Ankara/TR
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?
F. Barkhof; Amsterdam/NL

8 March  
Saturday, March 7, 14:00–15:30, Room G
SS 1411  Ischaemic stroke (2)
Moderators:  A. Biondi; Besançon/FR  
A. Kemmling; Münster/DE

8 March  
Sunday, March 8, 10:30–12:00, Room E2
SS 1811  Brain epilepsy and inflammation
Moderators:  P. Demaerel; Leuven/BE  
E.J. Hendriks; Amsterdam/NL

8 March  
Saturday, March 7, 10:30–12:00, Room E2
SS 1911  Advanced imaging
Moderators:  C. Mandel; East Melbourne/AU  
J. Ramalho; Lisbon/PT
Wednesday, March 4, 08:30–10:00, Room MB 5
RC 112  Autoimmune disorders in children
Moderator: V. Donoghue; Dublin/IE
A. The joints in juvenile idiopathic arthritis
L.-S. Ording Muller; Oslo/NO
B. The digestive tract
E. Alexopoulou; Athens/GR
C. Multiple sclerosis in children
C. Adamsbaum; Le Kremlin Bicêtre/FR

Wednesday, March 4, 10:30-12:00, Room MB 2
SS 212  Chest imaging and dosimetry
Moderators: C. Owens; London/UK
S. Stafrace; Aberdeen/UK

Wednesday, March 4, 14:00-15:30, Room MB 2
SS 312  Bone and soft tissue imaging
Moderators: O.J. Arthurs; London/UK
R.R. van Rijn; Amsterdam/NL

Wednesday, March 4, 16:00–17:30, Room MB 5
RC 412  Imaging of foetus and infant
Moderator: D. Prayer; Vienna/AT
A. Foetal neuro imaging
A. Rossi; Genoa/IT
B. Foetal body imaging
M. Cassart; Brussels/BE
C. Foetal and neonatal urinary tract imaging
C. Garé; Paris/FR

Thursday, March 5, 10:30-12:00, Room F2
SS 612  Foetal and paediatric neuroimaging
Moderators: L.C. Tzarouchi; Ioannina/GR
N.N.
Programme by Session Type

Refresher Courses / Scientific Sessions

Physics in Radiology

Wednesday, March 4, 08:30–10:00, Room M
RC 113 Cone-beam CT
Moderator: J.N. Vassileva, Vienna/AT
A. Fundamentals of cone-beam CT
J. Kuntz, Heidelberg/DE
B. Medical applications of cone-beam CT
M. Grass, Hamburg/DE
C. 3D dentomaxillofacial imaging
H. Bosmans, Leuven/BE

Wednesday, March 4, 10:30–12:00, Room F2
SS 213 Advances in CT imaging
Moderators: J. Gelejns, Leiden/NL
S. Vollmar, Erlangen/DE

Wednesday, March 4, 14:00–15:30, Room F2
SS 313 Advances in MR technology
Moderators: I. Seimenis, Alexandropolis/GR
J. Theysohn, Essen/DE

Thursday, March 5, 08:30–10:00, Room M
RC 513 Artifacts and pitfalls in tomography
Moderator: J. Damilakis, Iraklion/GR
A. CT
M. Kachelrieß, Heidelberg/DE
B. PET/CT
T. Beyer, Vienna/AT
C. MR/PET
H.H. Quick, Essen/DE

Thursday, March 5, 14:00–15:30, Room F2
SS 713 Innovations in CT technology
Moderators: P.E. Colombo, Milan/IT
I. Sechopoulos, Atlanta, GA/US

Friday, March 6, 16:00–17:30, Room M
RC 1213 Good radiation and bad radiation?
How to assess and communicate radiation risk to patients and referring physicians
Moderator: O. Ciraj-Bjelac, Belgrade/RS
A. Radiation risk: a patient’s perspective
E. Briers, Hasselt/BE
B. Radiation risks for patients and staff
P. Gilligan, Dublin/IE
C. Risk in MRI
R. Peeters, Leuven/BE
D. Communicating risks to patients and the public
N. Leitgeb, Graz/AT
This session is part of the EuroSafe Imaging campaign.

Saturday, March 7, 08:30–10:00, Room M
RC 1313 IT tools for dose tracking and workflow optimisation
Moderator: A. Trianni, Udine/IT
A. Digital Imaging and Communication in Medicine (DICOM) and Integrating the Healthcare Enterprise (IHE) standards
D. Peck, Detroit, MI/US
B. Patient dose tracking: a must have?
D. Zamora, Seattle, WA/US
C. Optimising technique using patient dose tracking software - tips and tricks
D. Murphy, Dublin/IE

Saturday, March 7, 16:00–17:30, Room M
RC 1613 MR: artifacts and devices
Moderator: D. Bor, Ankara/TR
A. Image artifacts in MRI and their mitigation
D. J. Lurie, Aberdeen/UK
B. Imaging around metal implants: artifact reduction in MRI
C. McGrath, Belfast/IE
C. Artifacts in perfusion and diffusion MRI
I. Tsougos, Larissa/GR

Sunday, March 8, 10:30–12:00, Room F2
SS 1813 Novel digital imaging techniques
Moderators: M. Brink, Nijmegen/NL
N. Kalyvas, Athens/GR

Sunday, March 8, 14:00–15:30, Room F2
SS 1913 Patient and staff dose studies
Moderators: L. Struikens, Mol/BE
E. Vaño, Madrid/ES
Refresher Courses / Scientific Sessions
Radiographers

**Wednesday, March 4, 10:30–12:00, Room K**

**SS 214**  Musculoskeletal radiography

**Moderators:** S. Brandão; Porto/PT
N.N.

**Wednesday, March 4, 14:00–15:30, Room K**

**SS 314**  Quality issues

**Moderators:** W.R. Jaschke; Innsbruck/AT
J. McNulty; Dublin/IE

**Friday, March 6, 08:30–10:00, Room D2**

**RC 914**  Enhancing patient safety culture in radiology

» Chairmen’s introduction
P. Bezzina; Msida/MT
L. Donoso; Barcelona/ES

A. Patient safety culture: the importance of EU clinical audit guidelines
S. Mc Fadden; Newtownabbey/UK

B. Quality assurance of radiology equipment: the first step to create a safe working environment
J. Santos; Coimbra/PT

C. From medical imaging referral to final outcome: a critical analysis of the process
D. Remedios; Harrow/UK

» Panel discussion: Teamwork as a fundamental concept for creating a patient safety culture in a medical imaging department: why and how?

**Friday, March 6, 10:30–12:00, Room K**

**SS 1014**  Radiation dose optimisation

**Moderators:** D.R. Kool; Nijmegen/NL
D. Pekarovic; Ljubljana/SI

**Saturday, March 7, 08:30–10:00, Room D2**

**RC 1314**  Radiography and evidence-based research: the way forward

» Chairmen’s introduction
I. Henderson; Aberdeen/UK
M.G.M. Hunink; Rotterdam/NL

A. The fundamentals of evidence-based research
S. Mathers; Aberdeen/UK

B. Application of evidence-based research into practice
M. Gellert; Odense/DK

C. Improvement of patient outcomes by evidence-based research
K.G. Vikestad, Oslo/NO

» Panel discussion: How to promote research as a tool for professional development?

**Saturday, March 7, 10:30–12:00, Room K**

**SS 1414**  Dose management in medical imaging

**Moderators:** H.H. Hjemly; Oslo/NO
C. Loewe; Vienna/AT

**Saturday, March 7, 14:00–15:30, Room D2**

**RC 1514**  CT from A to Z

» Chairmen’s introduction
E. Agadakos; Athens/GR
M. Prokop; Nijmegen/NL

A. Exploring and exploiting CT technology: back to the future
D. Pekarovic; Ljubljana/SI

B. Patient safety in CT: radiation dose and CM administration
F. Zarb; Msida/MT

C. Tips and tricks for CT optimisation
R. Booij; Rotterdam/NL

» Panel discussion: How should radiographer develop the interface between patient and technology?
Refresher Courses / Scientific Sessions
Radiographers

Saturday, March 7, 16:00–17:30, Room D2
RC 1614  MRI from the cradle to the future

» Chairmen’s introduction
B. Hafslund; Nesttun/NO
M. Maas; Amsterdam/NL

A. MRI sequences made easy
S. Brandão; Porto/PT

B. Functional MRI: new clinical applications
C. Malamateniou; London/UK

C. Safety in MRI: all you have to know
C. Vandulek; Kaposvár/HU

» Panel discussion: What to expect from MRI in the future of medical imaging?

Sunday, March 8, 08:30–10:00, Room D2
RC 1714  Looking into PET-CT

» Chairmen’s introduction
K. Åhlström Riklund; Umea/SE
D. Pekarovic; Ljubljana/SI

A. Clinical indications of PET-CT
P. Hogg; Manchester/UK

B. Quality control for PET-CT
W. van den Broek; Nijmegen/NL

C. Safety in PET-CT
J. Rio; Coimbra/PT

» Panel discussion: What is the role of radiographer in PET-CT?

Sunday, March 8, 10:30–12:00, Room K
SS 1814  Professional challenges for radiographers

Moderators:  S. Geers-van Gemeren; Utrecht/NL
C. Roche; Galway/IE
Wednesday, March 4, 10:30–12:00, Room L 1
SS 215 Pre- and post-interventional work-up
Moderators: E. Brountzos, Athens/GR
R. Unterhinninghofen, Karlsruhe/DE

Wednesday, March 4, 14:00–15:30, Room L 1
SS 315 Innovations in vascular imaging
Moderators: C. Engelke, Göttingen/DE
B. Sekovski, Split/HR

Wednesday, March 4, 16:00–17:30, Room MB 1
RC 415 Basic principles of varicose vein diagnosis and endovascular treatment
Moderator: D. Karnabatidis, Patras/GR
A. Diagnostic cross-sectional imaging
H. Hoppe, Berne/CH
B. Saphenous vein ablation
A. Rampoldi, Milan/IT
C. Ultrasound guided sclerotherapy
J. Brookes, London/UK

Thursday, March 5, 08:30–10:00, Room MB 1
RC 515 Imaging and intervention in acute ischaemic stroke
Moderator: P. Zampakis, Patras/GR
A. Acute stroke imaging
K.-O. Løvblad, Geneva/CH
B. Indications for intervention
N. Kocer, Istanbul/TR
C. Mechanical revascularisation
T. van der Zijden, Edegem/BE

Thursday, March 5, 10:30–12:00, Room L 1
SS 615 Vascular imaging in systemic diseases
Moderators: T.J. Cleveland, Sheffield/UK
A. Keeling, Dublin/IE

Thursday, March 5, 14:00–15:30, Room Z
SS 715 Arteries and veins
Moderators: A. Capelastegui, Galdácano/ES
L. Mailli, Athens/GR

Thursday, March 5, 16:00–17:30, Room MB 1
RC 815 EVAR endoleaks: imaging and management
Moderator: F. Fanelli, Rome/IT
A. The role of US: Doppler, 3D US, CEUS
U.K.M. Teichgräber, Jena/DE
B. CTA and MRA: current concepts
A. Bücker, Homburg a.d. Saar/DE
C. Endovascular management
M.A. Funovics, Vienna/AT

Friday, March 6, 10:30–12:00, Room Z
SS 1015 Low dose and low contrast in vascular imaging
Moderators: D. Farsaris, Athens/GR
G. Tsoumakidou, Strasbourg/FR
Refresher Courses / Scientific Sessions
Oncoologic Imaging

**Wednesday, March 4, 08:30–10:00, Room F1**

**RC 116** How about the lymph nodes?

» Chairman’s introduction
  J.J. Fütterer; Nijmegen/NL
  
  A. The current criteria for nodal involvement on CT/MRI
  W. Schima; Vienna/AT
  
  B. MRI techniques: what do they contribute?
  H.C. Thoeny; Berne/CH

» Panel discussion: When and how will imaging make diagnostic biopsy unnecessary?

**Wednesday, March 4, 10:30–12:00, Room F1**

**SS 216** Thoracic oncology

Moderators: I.E. Tyurin; Moscow/RU
  A. Vilaplana; Sevilla/ES

**Wednesday, March 4, 14:00–15:30, Room F1**

**SS 316** Molecular imaging and new agents

Moderators: A. Pomoni; Lausanne/CH
  A.E. Sundin; Stockholm/SE

**Thursday, March 5, 08:30–10:00, Room F1**

**RC 516** Gastro-entero-pancreatic neuro-endocrine tumours (GEP-NET): a multidisciplinary update

» Chairman’s introduction
  A.E. Sundin; Stockholm/SE
  
  A. Tumour biology, pathogenesis and classification
  M. Pavel; Berlin/DE
  
  B. The current role of nuclear medicine
  S. Fanti; Bologna/IT

» Panel discussion: The future of hybrid imaging

**Thursday, March 5, 10:30–12:00, Room F1**

**SS 616** Whole-body imaging of systemic tumour spreading

Moderators: K.N. De Paepe; Leuven/BE
  C.J. Johnston; Dublin/IE

**Thursday, March 5, 14:00–15:30, Room F1**

**SS 716** Urogenital oncology

Moderators: R.A. Kubik-Huch; Baden/CH
  I. Thomassin-Nagagara; Paris/FR

**Friday, March 6, 08:30–10:00, Room F1**

**RC 916** New insights in bone tumour imaging

» Chairman’s introduction
  D. Vanel; Bologna/IT
  
  A. New insights in treatment associated changes in patients with bone tumours
  C.R. Krestan; Vienna/AT

» Panel discussion: The future of bone tumour imaging

**Friday, March 6, 10:30–12:00, Room F1**

**SS 1016** Advances in imaging metastatic disease

Moderators: D. Filippiadis; Athens/GR
  R.H. Reznek; London/UK

**Saturday, March 7, 10:30–12:00, Room F1**

**SS 1416** Prostate cancer imaging

Moderators: E.C. Pereira Mendes Serrao; Cambridge/UK
  G. Petralia; Milan/IT

**Sunday, March 8, 10:30–12:00, Room F1**

**SS 1816** Response assessment: new concepts

Moderators: B. Banko; Belgrade/RS
  A. Sohaib; Sutton/UK

**Sunday, March 8, 14:00–15:30, Room F1**

**SS 1916** Oncologic imaging of the GI tract

Moderators: G. Conte; Milan/IT
  S.S. Doda; New Delhi/IN
Refresher Courses / Scientific Sessions
Emergency Radiology

**March 6, 08:30–10:00, Room MB 4**

RC 917  Acute pain: your friend and enemy in emergency radiology  
LEVEL: ALL LEVELS

» Chairman’s introduction: patients with acute pain - management and therapeutic pathways  
J. Walecki; Warsaw/PL
A. Head  
P.C. Maly Sundgren; Lund/SE
B. Chest  
J.E. Wildberger; Maastricht/NL
C. Abdomen  
R. Basilico; Chieti/IT  

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

**Wednesday, March 4, 08:30–10:00, Room MB 4**

RC 117  Polytrauma: comprehensive management guidelines for imaging  
LEVEL: HI

» Chairman’s introduction: management priorities in patients after polytrauma  
M. Stajgis; Poznan/PL
A. Chest and abdomen  
M. Scaglione; Castel Volturno/IT
B. Spine and pelvis  
F.H. Berger; Amsterdam/NL
C. Extremities  
U. Linsenmaier; Munich/DE  

» Panel discussion: How to speed up the diagnosis and further management of polytrauma patients

**Wednesday, March 4, 10:30–12:00, Room MB 4**

SS 217  Emergency imaging: how to be more precise  
LEVEL: MID

Moderators:  
K.H. Nieboer; Brussels/BE
G. Schueller; Opfikon/CH

**Wednesday, March 4, 14:00–15:30, Room MB 4**

SS 317  Update on imaging approach in trauma patients  
LEVEL: MID

Moderators:  
J.B. Dormagen; Oslo/NO
L.M. Lenghel; Cluj-Napoca/RO

**Wednesday, March 4, 16:00–17:30, Room MB 4**

RC 417  ‘Special patients’ in the emergency room: when and how to image them?  
LEVEL: HI

Moderator:  
S. Wirth; Munich/DE
A. Children  
V. Miele; Rome/IT
B. Pregnant patients  
H. Alkadhi; Zurich/CH
C. Elderly patients  
K. Katulska; Poznan/PL
HOST YOUR COURSE, SEMINAR OR WORKSHOP IN BARCELONA

For more information including rates, please contact learningcentre@myESR.org

ESR Learning Centre
Passeig de Gràcia, 86, planta 8
08008 Barcelona
Spain

www.esrlearningcentre.com
Joint Sessions
Joint Sessions

Thursday, March 5, 08:30–10:00, Room Z

**Joint Session of ESR and EFSUMB**
(European Federation of Societies for Ultrasound in Medicine and Biology)
**Advances in diagnostic ultrasound: better results through integration**

**Moderators:**
G.H. Mostbeck; Vienna/AT
P.S. Sidhu; London/UK

» Diagnosis, characterisation and staging of tumours of the female pelvis
  D. DeFriend; Abbotskerswell, Devon/UK
  A. Rockall; London/UK

» Diagnosis, characterisation and staging of renal tumours
  S. Freeman; Plymouth/UK
  N. Grenier; Bordeaux/FR

» Diagnosis, characterisation and staging of liver tumours
  H.-P. Weskott, Hannover/DE
  A. Ba-Ssalamah; Vienna/AT

Thursday, March 5, 14:00–15:30, Room L 1

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

**The complexity of personalised breast care**

» Chairman’s introduction
  T.H. Helbich; Vienna/AT

» A life-course approach to understanding breast cancer genesis: connecting epidemiology, genetics, and pathology
  I. Dos Santos Silva; London/UK

» VPH-PRISM aiding the therapy decision making process by quantitative evaluation of personal imaging and non-imaging data
  H.K. Hahn; Bremen/DE

» Stroma and peritumoural stiffness: latest evidence for its importance and novel stroma imaging approaches to predict therapy response
  A. Evans; Dundee/UK

» Personalised treatment decisions: how to reason using multi-modal, multi-disciplinary data
  R.M. Mann; Nijmegen/NL

Thursday, March 5, 14:00–15:30, Room M

**EuroSafe Imaging Session 1**
Clinical decision support: making imaging referral guidelines work for patients, doctors and hospital managers

». Chairman’s introduction
  G. Frija; Paris/FR

». CDS impact on guidelines development
  K. Dreyer; Boston, MA/US

». Adapting and updating guidelines
  M.G.M. Hunink; Rotterdam/NL

». ACR select implementation experience
  J.A. Brink; Boston, MA/US

». ESR iGuide
  L. Donoso; Barcelona/ES

». Discussion

Thursday, March 5, 14:00–15:30, Room N

**ESOR Session**
(European School of Radiology)

**Striving in radiological education**

**Moderators:**
L. Bonomo; Rome/IT
N. Gourtsoyiannis; Athens/GR

». Introduction
  L. Bonomo; Rome/IT

». ESOR in action 2015
  N. Gourtsoyiannis; Athens/GR

». The role of the European Training Curriculum: present and future
  B. Ertl-Wagner; Munich/DE

». Spoon-feeding: present and future
  P. Ros; Cleveland, OH/US

». E-learning portfolios: present and future
  M. Maas; Amsterdam/NL

**Awards**

During the session, scholars and fellows will be awarded certificates for successfully completing the 2014 ESOR Scholarship and Fellowship Programmes.
EFOMP Workshop
(European Federation of Organisations for Medical Physics)

**EF 1 Multi-energy imaging: from physics to diagnosis I**

Moderators: P. Sharp; Aberdeen/UK
V. Tsapaki; Athens/GR

- Chairman’s introduction
  P. Sharp; Aberdeen/UK
- Image-based material decomposition with energy-selective detectors in multi-energy CT: a review
  M. Kachelrieß; Heidelberg/DE
- Novel applications of multi-energy CT
  J. Sosna; Jerusalem/IL
- New frontiers in CT: functional and multi-energy imaging
  A. Persson; Linköping/SE

**EF 2 Multi-energy imaging: from physics to diagnosis II**

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

- Chairman’s introduction
  J. Damilakis; Iraklion/GR
- Multi-energy imaging in the thorax
  P. Vock; Spiegel/CH
- Dual-energy CT in oncology
  C.N. De Cecco; Rome/IT
- Clinical application of multi-energy imaging in digital mammography
  C. Dromain; Villejuif/FR

ESR Research in Education and Training Session
Research for trainees made easy: critical reading of the literature

Moderator: J. Hodler; Zurich/CH

- Introduction
  J. Hodler; Zurich/CH
- Overwhelmed by the available information? How to organise yourself
  P. Rodríguez; Madrid/ES
- Errors you should detect when reading scientific papers
  A.K. Dixon; Cambridge/UK
- Clinical relevance of publications: influence on outcome
  D.J. Wilson; Oxford/UK
- Do not be afraid of basic science papers
  N. Grenier; Bordeaux/FR
- Summary
  J. Hodler; Zurich/CH
**Friday, March 6, 13:00–15:00, Room D2**

**MIR @ ECR Session 1**

**MIR: best of professional issues in radiology**

Moderators: t.b.a.

- **13:00** Overview of MIR activities and the benefits of attending MIR conferences
  P. Mildenberger, Mainz/DE
- **13:10** Update on radiology: a strategy for the future
  E. Denton, Norfolk/UK
- **13:30** Update on imaging biobanks
  E. Neri, Pisa/IT
- **13:50** Update on decision support for radiology
  S. Morozov, Moscow/RU
- **14:10** Update on social media in radiology
  B. Brkljacic, Zagreb/HR
- **14:30** Update on economics
  K. Repussard, Paris/Fr
- **14:50** Discussion

Management in Radiology is a subcommittee of the ESR Professional Organisation Committee. Those involved in the field of healthcare are experiencing a time of increasing pressure, stress and change. The demand for efficiency and effectiveness in all business and administrative matters is constantly growing. MIR addresses current challenges and provides a forum for education and the exchange of ideas and concepts.

---

**Friday, March 6, 14:00–15:30, Room MB 2**

**EuroSafe Imaging Session 2**

**EuroSafe imaging call for action**  
**ALL LEVELS**

- Chairman’s introduction
  G. Frija, Paris/Fr
- **EuroSafe imaging call for action**
  G. Frija, Paris/Fr
- **EuroSafe imaging training and education activities and data collection project “Are you EuroSafe?”**
  P. Vock, Spiegel/CH
- Role of radiographers in medical radiation protection in the context of EuroSafe imaging
  G. Paulo, Coimbra/PT
- Role of medical physicists in medical radiation protection in the context of EuroSafe imaging
  J. Damilakis, Iraklion/GR
- New European approaches to medical low-dose research
  J. Repussard, Paris/Fr
- Panel discussion: EuroSafe Imaging - feedback, contributions, future activities, endorsement
  N. Bedlington, Vienna/AT (European Patients Forum)
  N. Denjoy, Brussels/BE (COCIR)
  G. Simeonov, Luxembourg/LU (European Commission) (tbc)
  M. Perez, Geneva/CH (WHO) (tbc)
  O. Holmberg, Vienna/AT (IAEA)

---

**Friday, March 6, 13:00–15:00, Room D2**

**MIR @ ECR Session 1**

**MIR: best of professional issues in radiology**

Moderators: t.b.a.

- **13:00** Overview of MIR activities and the benefits of attending MIR conferences
  P. Mildenberger, Mainz/DE
- **13:10** Update on radiology: a strategy for the future
  E. Denton, Norfolk/UK
- **13:30** Update on imaging biobanks
  E. Neri, Pisa/IT
- **13:50** Update on decision support for radiology
  S. Morozov, Moscow/RU
- **14:10** Update on social media in radiology
  B. Brkljacic, Zagreb/HR
- **14:30** Update on economics
  K. Repussard, Paris/Fr
- **14:50** Discussion

Management in Radiology is a subcommittee of the ESR Professional Organisation Committee. Those involved in the field of healthcare are experiencing a time of increasing pressure, stress and change. The demand for efficiency and effectiveness in all business and administrative matters is constantly growing. MIR addresses current challenges and provides a forum for education and the exchange of ideas and concepts.

---

**Friday, March 6, 14:00–15:30, Room MB 2**

**EuroSafe Imaging Session 2**

**EuroSafe imaging call for action**  
**ALL LEVELS**

- Chairman’s introduction
  G. Frija, Paris/Fr
- **EuroSafe imaging call for action**
  G. Frija, Paris/Fr
- **EuroSafe imaging training and education activities and data collection project “Are you EuroSafe?”**
  P. Vock, Spiegel/CH
- Role of radiographers in medical radiation protection in the context of EuroSafe imaging
  G. Paulo, Coimbra/PT
- Role of medical physicists in medical radiation protection in the context of EuroSafe imaging
  J. Damilakis, Iraklion/GR
- New European approaches to medical low-dose research
  J. Repussard, Paris/Fr
- Panel discussion: EuroSafe Imaging - feedback, contributions, future activities, endorsement
  N. Bedlington, Vienna/AT (European Patients Forum)
  N. Denjoy, Brussels/BE (COCIR)
  G. Simeonov, Luxembourg/LU (European Commission) (tbc)
  M. Perez, Geneva/CH (WHO) (tbc)
  O. Holmberg, Vienna/AT (IAEA)
**Friday, March 6, 14:00–15:30, Studio 2015**

**Joint Session of the ESR and ESMRMB**

(European Society for Magnetic Resonance in Medicine and Biology)

**The ABC and 123 of perfusion MRI: DSC, DCE and ASL explained**

**Moderators:** X. Golay, London/UK  
M. Smits, Rotterdam/NL

- Perfusion MRI: DSC, DCE and ASL  
  L. Knutsson, Lund/SE
- Clinical applications of brain perfusion MRI  
  H.R. Jäger, London/UK
- DCE-MRI in oncology - when is quantitative imaging essential?  
  A.R. Padhani, London/UK
- Panel discussion

**Friday, March 6, 14:00–15:30, Room A**

**Image Interpretation Quiz (IIQ)**

**Couples for Europe**

**Moderator:** C.M. Schaefer-Prokop, Amersfoort/NL

- **Team 1:**  
  M.G. Mack; Munich/DE  
  P.C. Maly Sundgren; Lund/SE
- **Team 2:**  
  A.A. Bankier; Boston, MA/US  
  F. Pugliese; London/UK
- **Team 3:**  
  J.J. Fütterer; Nijmegen/NL  
  G. Zamboni; Verona/IT

**Friday, March 6, 15:30–17:30, Room D2**

**MIR @ ECR Session 2**

**Improving quality and safety in radiology**

**Moderators:** J.A. Brink, Boston, MA/US  
R. FitzGerald, Shropshire/UK

- **15:30** First experiences from a nation-wide peer review in radiology  
  A. Brady, Cork/IE
- **15:50** How to organise meaningful audits in radiology  
  P. Cavanagh, Taunton/UK
- **16:10** Errors in radiology: how to learn from a systematic approach  
  D.A. Koff, Hamilton, ON/CA
- **16:30** Round table discussion: Learning from critical situations or errors: examples from around the world  
  E. Denton, Norfolk/UK  
  J. Jakobsen, Oslo/NO  
  U. Senol, Antalya/TR  
  J.A. Brink, Boston, MA/US  
  C. Kahn, Philadelphia, PA/US  
  M. Fatehi, Tehran/IR  
  P. Valdes Solis, Marbella/ES

Management in Radiology is a subcommittee of the ESR Professional Organisation Committee.

Those involved in the field of healthcare are experiencing a time of increasing pressure, stress and change. The demand for efficiency and effectiveness in all business and administrative matters is constantly growing. MIR addresses current challenges and provides a forum for education and the exchange of ideas and concepts.
Joint Sessions

7 March  Saturday, March 7, 08:30–10:00, Room Z
Joint Session of the ESR and EORTC
(European Organisation for Research and Treatment of Cancer)
Imaging in multicentre clinical oncological trials
Moderators: L.S. Fournier, Paris/FR
Y. Liu, Brussels/BE
» Imaging in clinical trials: the EORTC perspective
Y. Liu, Brussels/BE
» Standardisation and quality assessment of imaging as surrogate endpoints
N.M. deSouza, Sutton/UK
» Optimised imaging for trials in brain tumours
M. Smits, Rotterdam/NL
» Multiparametric MRI in breast and prostate cancer
T.H. Helbich, Vienna/AT

7 March  Saturday, March 7, 10:30–12:00, Room L 1
ESR Patient Advisory Group
for Medical Imaging
PAGMI 1  The challenges of providing true patient-centred care: moving forward together
Moderators: Y. Lievens, Ghent/BE
T. Franquet, Barcelona/ES
» Imaging requirements to guide non-surgical treatment in early lung cancer
C.M. Schaefer-Prokop, Amersfoort/NL
» The most up-to-date evidence from the interventional oncology perspective
R. Lencioni, Pisa/IT
» The most up-to-date evidence from the radiation oncology perspective
S. Senan, Amsterdam/NL
» Imaging follow-up of non-surgical treatments
A.R. Larici, Rome/IT
» Discussion

7 March  Saturday, March 7, 13:00–14:00, Room A
Junior Image Interpretation Quiz (JI IQ)
Battle for the audience
Moderator: M. Dewey, Berlin/DE
» Team A:
A. Ntorkou, Thessprotia/GR
A. Caric, Split/HR
P. Flechsig, Heidelberg/DE
N. Cardobi, Verona/IT
» Team B:
M. Faure, Antwerp/BE
D. Uceda Navarro, Valencia/ES
E. Herin, Paris/FR
A. Chopra, Sheffield/UK

7 March  Saturday, March 7, 14:00–15:30, Room Z
Joint Session of the ESR and ESTRO
(European Society for Radiotherapy and Oncology)
ESTRO 1  Non-surgical approach to early lung cancer: perspectives of imaging and radiation-based disciplines
Moderators:
Y. Lievens, Ghent/BE
T. Franquet, Barcelona/ES
» Imaging requirements to guide non-surgical treatment in early lung cancer
C.M. Schaefer-Prokop, Amersfoort/NL
» The most up-to-date evidence from the interventional oncology perspective
R. Lencioni, Pisa/IT
» The most up-to-date evidence from the radiation oncology perspective
S. Senan, Amsterdam/NL
» Imaging follow-up of non-surgical treatments
A.R. Larici, Rome/IT
» Discussion

= Interactive session with electronic voting/self assessment
Joint Sessions

Saturday, March 7, 14:00–15:30, Room L 1
EuroSafe Imaging Session 3

Dose-tracking leads the way to dose-reduction

» Chairman’s introduction: dose-tracking leads to dose-reduction: why radiologists MUST get involved
  P.M. Parizel; Antwerp/BE

» The legislative environment in Europe: the new EU Directive and the goals of EuroSafe Imaging
  J. Griebel; Neuherberg/DE

» Implementing a dose management solution in your department: where to start and what to expect?
  D. Weishaupt; Zurich/CH

» Developing a multi-disciplinary team in dose management (CT example)
  L. Martí-Bonmatí; Valencia/ES

» PiDRL - European Commission Tender Project on diagnostic reference levels in paediatric imaging
  J. Damilakis; Iraklion/GR

» Deploying a dose management strategy across multiple sites
  K. Katsari; Athens/GR

» Panel discussion

Saturday, March 7, 16:00–17:30, Room L 1
EuroSafe Imaging Session 4

How can clinical audit enhance patient safety?

» Chairman’s introduction
  E.J. Adam; London/UK

» A new approach to clinical audit and safety by the ESR
  P. Cavanagh; Taunton/UK

» Models of external audit in the Netherlands
  S. Geers-van Gemeren; Utrecht/NL

» Clinical audit in cardiac CT: the UK experience
  S. Harden; Southampton/UK
  E. Castellano; London/UK

» The European Radiation Protection Regulator’s perspective on audit
  S. Ebdon-Jackson; Didcot/UK

» Panel discussion

Saturday, March 7, 16:00–17:30, Room Z
Joint Session of the ESR and ESTRO
(European Society for Radiotherapy and Oncology)

ESTRO 2 Radiology and radiation oncology: new chances for a partnership

Moderator: P. Poortmans; Nijmegen/NL
L. Bonomo, Rome/IT

» Introduction
  L. Bonomo; Rome/IT

» Imaging in oncology: achievements and limitations
  V.J. Goh; London/UK

» Interventional radiology in oncology: achievements and limitations
  J.I. Bilbao; Pamplona/ES

» Interventional radiology and radiation oncology: working together
  D. Verellen; Brussels/BE

» Panel discussion: The future partnership between radiology and radiation oncology
Joint Sessions

Sunday, March 8, 08:30–10:00, Room Z

EDIR talk
(European Diploma in Radiology)
FA(b)Q frequently asked (burning) questions - with answers

The participants will learn about the EDIR structure and become familiar with its format. They will learn very useful information about their EDIR examination and its preparation and will receive an answer to all questions they may have related to the exam.

Moderator: Y. Menu; Paris/FR

» Questions about registration
Y. Menu; Paris/FR
E. Jordan; Barcelona/ES

» Questions about preparation
W. Schima; Vienna/AT

» Questions about written examination
S. Barter; Cambridge/UK

» Questions about oral examination
L. McKnight; Langland, Swansea/UK

» Questions about the future
Y. Menu; Paris/FR
V. Iranzo; Barcelona/ES

» Panel discussion: More FA(b)Q and its answers
J. Vilar; Valencia/ES

Sunday, March 8, 10:30–12:00, Room L 1

ESR Patient Advisory Group for Medical Imaging
PAGMI 2 Communicating the results of radiological studies to patients: from high-tech to human touch imaging

» Chairmen’s introduction
N. Bedington; Vienna/AT
B. Brljkačić; Zagreb/HR

» Who is the patient of the radiologist?
L.E. Derchi; Genoa/IT

» Communicating results of radiological studies to the patient with breast cancer: view of the patient who is also a physician
A. Balenović; Zagreb/HR

» Brain disorder - the communication challenge
D. Walsh; Dublin/IE
M. Messmer-Wullen; Lochau/AT

» Panel discussion: From high-tech to human touch - how do we ensure this transition and what are the roles for the ESR and member societies?

Sunday, March 8, 08:30–10:00, Studio 2015

Joint Session of the ESR and ERS
(European Respiratory Society)
Lung cancer screening: why and how to implement a comprehensive preventive programme

Moderator: M. Prokop; Nijmegen/NL
J.-P. Sculier; Brussels/BE

» Should we do lung cancer screening now?
The evidence
C.J. Herold; Vienna/AT

» CT requirements and nodule workup
F. Gleeson; Oxford/UK

» Diagnostic and treatment approaches to lesions found in CT screening
F.J.F. Herth; Heidelberg/DE

» Designing a screening programme
N. Peled; Petach Tiqwa/IL
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

Bayer HealthCare, Bracco, GE Healthcare, Guerbet, Hitachi Medical Systems, Hologic, Philips, Samsung, Siemens Healthcare, Supersonic Imagine, Toshiba Medical Systems
Breast Care Day
Organised by Siemens Healthcare in cooperation with Bayer HealthCare

**Wednesday, March 4, 10:30–12:00, Studio 2015**
Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

**The power of MRI in breast diagnostics and therapy**

**Moderator:** S.H. Heywang-Köbrunner, Munich/DE

- Future trends in breast MRI: TWIST-VIBE for breast cancer staging in 2 min
  R.M. Mann, Nijmegen/NL

- Whole body MRI: changing the management paradigm for metastatic bone disease
  A.R. Padhani, London/UK

- Breast MRI: insights from recent clinical trials
  J. Barkhausen, Lubeck/DE

- Positive long-term results after implementing intensive breast MRI use in an area population
  J. Camps Herrero, Valencia/ES

**Wednesday, March 4, 12:15–13:45, Studio 2015**
Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

**Multimodality lunch symposium: planning and control of breast cancer therapy**

**Moderator:** C. Van Ongeval, Leuven/BE

- Introduction
  C. Van Ongeval, Leuven/BE

- Strain imaging ultrasound technology (virtual touch IQ)
  M. Golatta, Heidelberg/DE

- Value of digital breast tomosynthesis for preoperative local staging of breast cancer
  L.J. Pina Insausti, Pamplonia/ES

- MR for operation planning
  C.K. Kuhl, Aachen/DE

- Integration of molecular diagnostics in breast imaging
  P. Fasching, Erlangen/DE

**Wednesday, March 4, 14:00–15:30, Studio 2015**
Satellite Symposium organised by Siemens Healthcare

**Advantages of 3D and hybrid technologies in mammography**

**Moderator:** R.M. Mann, Nijmegen/NL

- Routine use of digital breast tomosynthesis (DBT) for the assessment of screen-detected cases
  S.H. Heywang-Köbrunner, Munich/DE

- Requirements for digital reading in breast care: a report from the practice
  K. Ridder, Dortmund/DE

- Experiences with a breast ultrasound: tomosynthesis hybrid
  M. Golatta, Heidelberg/DE

**Wednesday, March 4, 16:00–17:00, Studio 2015**
Satellite Symposium organised by Siemens Healthcare

**The dense breast - a challenge: multimodality breast image reading and discussion of clinical cases**

**Moderator:** C. Van Ongeval, Leuven/BE

- MRI perspective
  E. Wenkel, Erlangen/DE

- Tomo/mammo perspective
  M. Bernathova, Vienna/AT
**4 March**

**Wednesday, March 4, 12:30–13:30, Room G**
Satellite Symposium organised by Bayer HealthCare

» Programme to be announced

**4 March**

**Wednesday, March 4, 12:30–13:30, Room M**
Satellite Symposium organised by SuperSonic Imagine

**Ultrasound Symposium by Siemens Healthcare**

» The benefits of CEUS and fusion in abdominal ultrasound
  D.A. Clevert, Munich/DE

» Strain imaging and its clinical advantages in the abdomen and pancreas
  M. D’Onofrio, Verona/IT

» Ultrasound in radiology
  N.N.

**5 March**

**Thursday, March 5, 12:30–13:30, Room F2**
Satellite Symposium organised by Bayer HealthCare

» Programme to be announced

**5 March**

**Thursday, March 5, 12:30–13:30, Room E1**
Satellite Symposium organised by Bracco

» Programme to be announced

**5 March**

**Thursday, March 5, 12:30–13:30, Room K**
Satellite Symposium organised by GE Healthcare

**Imagine what oncology can be with MR and PET/MR**

» Programme to be announced

**5 March**

**Thursday, March 5, 12:30–13:30, Room M**
Satellite Symposium organised by Siemens Healthcare

**Leading with MAGNETOM**

» Programme to be announced

**5 March**

**Thursday, March 5, 12:30–13:30, Studio 2015**
Satellite Symposium organised by Siemens Healthcare

**Driving innovations in ultrasound**

» The benefits of CEUS and fusion in abdominal ultrasound
  D.A. Clevert, Munich/DE

» Strain imaging and its clinical advantages in the abdomen and pancreas
  M. D’Onofrio, Verona/IT

» Ultrasound in radiology
  N.N.
Satellite Symposia

Friday, March 6, 12:30–13:30, Room G
Satellite Symposium organised by Guerbet
Guidelines and practice in diagnostic and interventional radiology: follow the lines!

Moderator: T.C. Lauenstein; Essen/DE

» Assessment of high-grade glioma with RANO-criteria: can advanced MRI imaging techniques help?
  A. Radbruch; Heidelberg/DE

» Best practice in MDCT: how to optimise the radiation reduction and iodine use?
  D. Caramella; Pisa/IT

» Barcelona-clinic liver cancer guidelines: cTACE positioning within the guidelines
  T.C. Lauenstein; Essen/DE

Friday, March 6, 12:30–13:30, Studio 2015
Satellite Symposium organised by Hitachi Medical Systems

» Programme to be announced

Friday, March 6, 12:30–13:30, Room M
Satellite Symposium organised by Philips

» Programme to be announced

Friday, March 6, 12:30–13:30, Room N
Satellite Symposium organised by Samsung
New premium technology of Samsung

Moderator: J. Sunwoo; Seoul/KR

» Introduction of Samsung technology
  J. Sunwoo; Seoul/KR

» S-Fusion of RS80A
  N.N.

» Pilot study of NExCT
  N.N.

» Questions and answers

Friday, March 6, 14:00–15:30, Room C
Satellite Symposium organised by Toshiba Medical Systems

» Programme to be announced

Friday, March 6, 14:00–15:30, Room M
Satellite Symposium organised by GE Heathcare Russia
Multimodal approaches to the perfusion and diffusion assessment: expanding horizons for medical imaging!

Moderator: I.N. Pronin, Moscow/ RU

» Cardiac CT and cardiac GSI in assessment of myocardial scars
  V.E. Sinitsyn; Moscow/ RU

» Nuclear and hybrid imaging in assessment of myocardial perfusion: state of the art
  K.V. Zavadovskiy; Tomsk/ RU

» CT GSI and MRI in assessment of pulmonary perfusion in patients with chronic thromboembolic disease
  E.A. Mershina; Moscow/ RU

» Perfusion in PET
  D.V. Ryzhkova; Moscow/ RU

» Arterial Spin Labeling (ASL): new horizons in brain perfusion assessment
  I.N. Pronin; Moscow/ RU

» Programme to be announced

Friday, March 6, 14:00–15:30, Room C
Satellite Symposium organised by Hologic
Screening with breast tomosynthesis: an emerging reality

» Programme to be announced
Saturday, March 7, 12:30–13:30, Room M
Satellite Symposium organised by Bracco

**Contrast-enhanced ultrasound in the imaging of patients at risk of developing malignant lesions**

**Moderator:** C. Stroszczynski; Regensburg/DE

» The role of CEUS in the detection and diagnosis of liver metastases  
  M.C. Beermann; Stockholm/SE

» Surveillance of patients with liver cirrhosis: is there still a role for CEUS?  
  V. Cantisani; Rome/IT

» Quantification on DCEUS: new trends and developments  
  F. Tranquart; Geneva/CH

Saturday, March 7, 12:30–13:30, Room C
Satellite Symposium organised by GE Healthcare

» Programme to be announced

Saturday, March 7, 12:30–13:30, Room N
Satellite Symposium jointly organised by Philips

**Early detection of breast cancer and dose reduction for mammography and tomosynthesis**

» Photon counting technology: early detection and dose reduction for mammography and tomosynthesis  
  N.N.

» Spectral lesion characterisation initial clinical results  
  N.N.

» Personalised breast care with a spectral breast density measurement  
  N.N.
ECR Student Registration for only €40
Students and radiographers-in-training under the age of 30, without any academic degree, can register for just €40.

Student Sessions
The submitting authors of the best 20 abstracts will be invited to the ECR to present their work, with their accommodation and travel expenses paid by the European Society of Radiology.

Student Hands-On Workshops
Student workshops on ultrasound, for beginners and advanced participants.
Practical training made easy.

Six Basic Sessions
Renowned professors from all over Europe give basic lectures.

Find more information on myESR.org/RisingStars and become a RisingStar on Facebook: facebook.com/ESRRisingStars
Industry Workshops

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

Bayer HealthCare, Fujifilm Europe,
GE HealthCare, Hologic, I.M.S. – Internazionale Medico Scientifica,
Siemens Healthcare, Toshiba Medical Systems
Industry Workshops

**Wednesday, March 4, 14:00–15:30**

Industry Workshop organised by Siemens Healthcare

- MRI Reading Session: Breast tomosynthesis reading in the context of multimodality breast diagnostics
  M. Bernathova, Vienna/AT

**Wednesday, March 4, 16:00–17:30**

Industry Workshop organised by Siemens Healthcare

- Tomosynthesis Reading Session: MRI breast reading and reporting
  C. Kaiser, Mannheim/DE

**Thursday, March 5**

10:15-11:30
13:45-15:00
15:30-16:45

**Friday, March 6**

10:15-11:30
12:15-13:30

**Saturday, March 7**

10:15-11:30
13:45-15:00
15:30-16:45

Industry Workshop organised by Hologic

- Hologic breast tomosynthesis imaging with C-view software
- Vacuum breast biopsy guided by tomosynthesis - clinical experience and practical demonstration

Industry Workshop organised by Bayer HealthCare

- Programme to be announced

Industry Workshop organised by Fujifilm Europe

- Fujifilm Academy of Breast Imaging: introduction to digital breast tomosynthesis
- Fujifilm Academy of Breast Imaging: advanced training on digital breast tomosynthesis application in daily practice

Industry Workshop organised by GE Healthcare

- Programme to be announced

Industry Workshop organised by I.M.S. – Internazionale Medico Scientifica

- Programme to be announced

Industry Workshop organised by Toshiba Medical Systems

- Programme to be announced

Industry Workshop organised by MAMMOTOME

- Programme to be announced
Take the European Diploma in Radiology

EDiR
YOUR PASSPORT TO A BETTER CAREER

Next Exam:
March 3–6, 2015 (ECR, Vienna, Austria)

Accepted candidates who apply before December 6 will benefit from free admission to the ECR. Limited places!

www.myEBR.org
diploma@myEBR.org
## ESR Executive Council

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Lorenzo Bonomo</td>
<td>Rome/IT</td>
</tr>
<tr>
<td>1st Vice-President</td>
<td>Luis Donoso</td>
<td>Barcelona/ES</td>
</tr>
<tr>
<td>2nd Vice-President</td>
<td>Paul Parizel</td>
<td>Antwerp/BE</td>
</tr>
<tr>
<td>Past-President</td>
<td>Guy Frija</td>
<td>Paris/FR</td>
</tr>
<tr>
<td>Communication and External Affairs Committee Chairperson</td>
<td>Boris Brkjačić</td>
<td>Zagreb/HR</td>
</tr>
<tr>
<td>Congress Committee Chairperson</td>
<td>Bernd Hamm</td>
<td>Berlin/DE</td>
</tr>
<tr>
<td>1st Vice-Chairperson of the Congress Committee</td>
<td>Katrine Åhlström Riklund</td>
<td>Umea/SE</td>
</tr>
<tr>
<td>Education Committee Chairperson</td>
<td>Birgit Ertl-Wagner</td>
<td>Munich/DE</td>
</tr>
<tr>
<td>ESR Committee Chairperson</td>
<td>Nicholas Gourtsoyiannis</td>
<td>Athens/GR</td>
</tr>
<tr>
<td>Finance and Internal Affairs Committee Chairperson</td>
<td>Michael Fuchsjäger</td>
<td>Graz/AT</td>
</tr>
<tr>
<td>National Societies Committee Chairperson</td>
<td>Deniz Akata</td>
<td>Ankara/TR</td>
</tr>
<tr>
<td>Nominations and Awards Committee Chairperson</td>
<td>Guy Frija</td>
<td>Paris/FR</td>
</tr>
<tr>
<td>Publications Committee Chairperson</td>
<td>Lorenzo E. Derchi</td>
<td>Genoa/IT</td>
</tr>
<tr>
<td>Quality, Safety and Standards Committee Chairperson</td>
<td>E. Jane Adam</td>
<td>London/UK</td>
</tr>
<tr>
<td>Research Committee Chairperson</td>
<td>Hans-Ulrich Kauczor</td>
<td>Heidelberg/DE</td>
</tr>
<tr>
<td>Strategic Review Committee Chairperson</td>
<td>Paul M. Parizel</td>
<td>Antwerp/BE</td>
</tr>
<tr>
<td>Subspecialties and Allied Sciences Committee Chairperson</td>
<td>Catherine M. Owens</td>
<td>London/UK</td>
</tr>
<tr>
<td>Executive Director</td>
<td>Peter Baierl</td>
<td>Vienna/AT</td>
</tr>
</tbody>
</table>
Congress Committee

Chairperson (Congress President) ..............................................................
1st Vice-Chairperson (1st Congress Vice-President) ........................................
Ordinary Member ..........................................................................................
Ordinary Member ..........................................................................................
ESR President ..............................................................................................
ESR 1st Vice-President ..................................................................................
ESR Executive Director .............................................................................
Chairperson of the Finance and Internal Affairs Committee .........................
Chairperson of the Publications Committee ..............................................

Programme Planning Committee

POSTGRADUATE EDUCATIONAL PROGRAMME
Chairperson: P.M. Parizel; Antwerp/BE
Members: R.G.H. Beets-Tan; Maastricht/NL
M. Dewey; Berlin/DE
J. Camps Herrero; Valencia/ES
A.J. Grainger; Leeds/UK
M. Haliloglu; Ankara/TR
H.-U. Kauczor; Heidelberg/DE
G. Paolo; Coimbra/PT
R. Pozzi-Mucelli; Verona/IT
S. Robinson; Vienna/AT
D.K. Tsetis; Iraklion/GR

ESR SUBSPECIALTIES AND ALLIED SCIENCES COMMITTEE CHAIRPERSON

ESR QUALITY, SAFETY AND STANDARDS COMMITTEE CHAIRPERSON

ESMRMB REPRESENTATIVE

E³ – EUROPEAN EXCELLENCE IN EDUCATION
Hybrid Imaging: G. Antoch; Düsseldorf/DE,
K. Åhlström Riklund; Umeå/SE
Image-Guided Interventions in Oncology: F. Orsi; Milan/IT
Diagnostic Urogenital Radiology: H.C. Thoeny; Berne/CH
Interactive Teaching Sessions: M.G. Mack; Munich/DE
Modern Imaging of the GI Tract: S.A. Taylor; London/UK

E³ – RISING STARS PROGRAMME
M. Szczerbo-Trojanowska; Lublin/PL

E-LEARNING
A. Palkó; Szeged/HU

CASES OF THE DAY
J. Vilar; Valencia/ES

IMAGE INTERPRETATION QUIZ
C. Segebarth; Sainte Marie du Mont/Fr

JUNIOR IMAGE INTERPRETATION QUIZ
M. Dewey; Berlin/DE

EVALUATION
D. Weishaupt; Zurich/CH

ESR EDUCATION COMMITTEE CHAIRPERSON
B. Ertl-Wagner; Munich/DE

ESR QUALITY, SAFETY AND STANDARDS COMMITTEE CHAIRPERSON
E.J. Adam; London/UK

ESR PUBLICATIONS COMMITTEE CHAIRPERSON
L.E. Derchi; Genoa/IT

ESR SUBSPECIALTIES AND ALLIED SCIENCES COMMITTEE CHAIRPERSON
C. Owens; London/UK

www.myESR.org

Preliminary Programme | ECR 2015 115
## Scientific Subcommittees

### ABDOMINAL AND GASTROINTESTINAL

*The ESR would like to thank ESGAR for their cooperation on this subcommittee*

<table>
<thead>
<tr>
<th>Chairpersons</th>
<th>V.J. Goh; London/UK</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C. Stoupis; Männedorf/CH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Abdominal Viscera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Members</strong></td>
<td>J.R. Ayuso; Barcelona/ES</td>
</tr>
<tr>
<td></td>
<td>A. Blachar; Tel Aviv/IL</td>
</tr>
<tr>
<td></td>
<td>L.S. Guimarães; Porto/PT</td>
</tr>
<tr>
<td></td>
<td>S.A. Jackson; Plymouth/UK</td>
</tr>
<tr>
<td></td>
<td>M. Karcaaltincaba; Ankara/TR</td>
</tr>
<tr>
<td></td>
<td>M. Lewin-Zeitoun; Villejuif/FR</td>
</tr>
<tr>
<td></td>
<td>I.G. Lopescu; Bucharest/RO</td>
</tr>
<tr>
<td></td>
<td>R. Manfredi; Verona/IT</td>
</tr>
<tr>
<td></td>
<td>V. Maniatis; Aabenraa/DK</td>
</tr>
<tr>
<td></td>
<td>S. Phoa; Amsterdam/NL</td>
</tr>
<tr>
<td></td>
<td>C. Stroszczynski; Regensburg/DE</td>
</tr>
<tr>
<td></td>
<td>V. Vandekeveye; Leuven/BE</td>
</tr>
</tbody>
</table>

**GI Tract**

<table>
<thead>
<tr>
<th>Members</th>
<th>S. Gryspeerdt; Roeselare/BE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M. Hellström; Gothenburg/SE</td>
</tr>
<tr>
<td></td>
<td>C. Hoeffel; Reims/FR</td>
</tr>
<tr>
<td></td>
<td>C. Kölblinger; Ried im Innkreis/AT</td>
</tr>
<tr>
<td></td>
<td>D.M. Lambrecht; Maastricht/NL</td>
</tr>
<tr>
<td></td>
<td>T.C. Lauenstein; Essen/DE</td>
</tr>
<tr>
<td></td>
<td>F. Maccioni; Rome/IT</td>
</tr>
<tr>
<td></td>
<td>R. Maksimovic; Belgrade/RS</td>
</tr>
<tr>
<td></td>
<td>M. Ramalho; Almada/PT</td>
</tr>
<tr>
<td></td>
<td>J. Rimola; Barcelona/ES</td>
</tr>
<tr>
<td></td>
<td>J. Sosna; Jerusalem/IL</td>
</tr>
<tr>
<td></td>
<td>J. Votrubová; Prague/CZ</td>
</tr>
</tbody>
</table>

### BREAST

*The ESR would like to thank EUSOBI for their cooperation on this subcommittee*

<table>
<thead>
<tr>
<th>Chairperson</th>
<th>F. Sardanelli; San Donato Milanese/IT</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Members</th>
<th>C.S. Balleyguier; Villejuif/FR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P.A.T. Baltzer; Vienna/AT</td>
</tr>
<tr>
<td></td>
<td>U. Bick; Berlin/DE</td>
</tr>
<tr>
<td></td>
<td>B. Brkljačić; Zagreb/HR</td>
</tr>
<tr>
<td></td>
<td>F.J. Gilbert; Cambridge/UK</td>
</tr>
<tr>
<td></td>
<td>K. Kinkel; Chêne-Bougeries/CH</td>
</tr>
<tr>
<td></td>
<td>R.M. Mann; Nijmegen/NL</td>
</tr>
<tr>
<td></td>
<td>L.J. Pina Insausti; Pamplona/ES</td>
</tr>
</tbody>
</table>

### CARDIAC

*The ESR would like to thank ESCR for their cooperation on this subcommittee*

<table>
<thead>
<tr>
<th>Chairperson</th>
<th>R. Vliegenthart; Groningen/NL</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Members</th>
<th>I. Carbone; Rome/IT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P. Croisille; Saint-Etienn/FR</td>
</tr>
<tr>
<td></td>
<td>P. Donato; Coimbra/PT</td>
</tr>
<tr>
<td></td>
<td>A. Kalllfatidis; Thessaloniki/GR</td>
</tr>
<tr>
<td></td>
<td>N. Kawel-Böhm; Basle/CH</td>
</tr>
<tr>
<td></td>
<td>G.I. Kirova-Nediulakova; Sofia/BG</td>
</tr>
<tr>
<td></td>
<td>K. Nikolaou; Tübingen/DE</td>
</tr>
<tr>
<td></td>
<td>R.J. Perea; Barcelona/ES</td>
</tr>
<tr>
<td></td>
<td>S.D. Rud; St. Petersburg/RU</td>
</tr>
<tr>
<td></td>
<td>M. Urbanczyk-Zawadzka; Krakow/PL</td>
</tr>
<tr>
<td></td>
<td>E.J.R. van Beek; Edinbourgh/UK</td>
</tr>
<tr>
<td></td>
<td>F. Wolf; Vienna/AT</td>
</tr>
</tbody>
</table>

### CHEST

*The ESR would like to thank ESTI for their cooperation on this subcommittee*

<table>
<thead>
<tr>
<th>Chairperson</th>
<th>E. Castañer; Sabadell/ES</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Members</th>
<th>J. Biederer; Groß-Gerau/DE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P.-Y. Brillet; Bobigny/FR</td>
</tr>
<tr>
<td></td>
<td>R. Cesar; Golnik/SI</td>
</tr>
<tr>
<td></td>
<td>E.E.J.G. Coche; Brussels/BE</td>
</tr>
<tr>
<td></td>
<td>M. Das; Maastricht/NL</td>
</tr>
<tr>
<td></td>
<td>A. Devaraj; London/UK</td>
</tr>
<tr>
<td></td>
<td>E. Eisenhuber-Stadler; Vienna/AT</td>
</tr>
<tr>
<td></td>
<td>B. Fergalli; Chieti/IT</td>
</tr>
<tr>
<td></td>
<td>T. Frauenfelder; Zurich/CH</td>
</tr>
<tr>
<td></td>
<td>E. Mershina; Moscow/RU</td>
</tr>
<tr>
<td></td>
<td>A.P. Parkar; Bergen/NO</td>
</tr>
<tr>
<td></td>
<td>A. Persson; Linköping/SE</td>
</tr>
</tbody>
</table>

### COMPUTER APPLICATIONS

*The ESR would like to thank EuSoMI for their cooperation on this subcommittee*

<table>
<thead>
<tr>
<th>Chairperson</th>
<th>B. Gibaud; Rennes/FR</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Members</th>
<th>B. Bergh; Heidelberg/DE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>J.M.L. Bosmans; Ghent/BE</td>
</tr>
<tr>
<td></td>
<td>M. de Bruijne; Rotterdam/NL</td>
</tr>
<tr>
<td></td>
<td>P. Pokieser; Vienna/AT</td>
</tr>
<tr>
<td></td>
<td>D. Regge; Turin/IT</td>
</tr>
<tr>
<td></td>
<td>Z. Tarján; Budapest/HU</td>
</tr>
</tbody>
</table>
MOLECULAR IMAGING
The ESR would like to thank ESMOFIR for their cooperation on this subcommittee.

Chairperson: ...........................................
M. de Jong; Rotterdam/NL
F. A. Gallagher; Cambridge/UK
T. H. Helbich; Vienna/AT
N. Lassau; Villejuif/FR
E. Lopci; Rozzano/IT

GENITOURINARY
The ESR would like to thank ESUR for their cooperation on this subcommittee.

Chairperson: ...........................................
M. Secil; Izmir/TR
G. M. Bongartz; Basle/CH
M. Lell; Erlangen/DE
M. de Jong; Rotterdam/NL
F. A. Gallagher; Cambridge/UK
T. H. Helbich; Vienna/AT
N. Lassau; Villejuif/FR
E. Lopci; Rozzano/IT

HEAD AND NECK
The ESR would like to thank the ESNR for their cooperation on this subcommittee.

Chairperson: ...........................................
B. Verbiest; Leiden/NL
J. Frühwald-Pallamar; Vienna/AT
S. Gerevini; Milan/IT
D. Habat; Iasi/RO
R. Kohler; Sion/CH
M. Leli; Erlangen/DE
E. Loney; Bradford/UK
S. Petrovic; Nis/RS
D.-A. Varoquaux; Marseille/FR

INTERVENTIONAL RADIOLOGY
The ESR would like to thank CIPSE for their cooperation on this subcommittee.

Chairperson: ...........................................
M. Bezzi; Rome/IT
R. Bale; Innsbruck/AT
V. Bérczi; Budapest/HU
M. Burrel; Barcelona/ES
A. Denys; Lausanne/CH
D. Filippadis; Athens/GR
T. K. Helmerger; Munich/DE
G. J. Munneke; London/UK
O. Pellerin; Paris/FR
B. Peynircioğlu; Ankara/TR
V. Válek; Brno/CZ
M. A. J. van den Bosch; Utrecht/NL
P. Vilares Morgado; Porto/PT

MUSCULOSKELETAL
The ESR would like to thank the ESSR for their cooperation on this subcommittee.

Chairperson: ...........................................
A. Klauser; Innsbruck/AT
M. Adriaensen; Heerlen/NL
G. Andreisek; Zurich/CH
U. Aydingoz; Ankara/TR
J. S. Bauer; Munich/DE
N. Boutry; Lille/FR
L. Cerezal; Santander/ES
A. Plagou; Athens/GR
P. Robinson; Leeds/UK
L. M. Sconfenza; San Donato Milanese/IT
M. Shahabpour; Brussels/BE
V. Vasilevska Nikodinovsk; Skopje/MK
A. Vieira; Porto/PT

NEURO
The ESR would like to thank the ESNR for their cooperation on this subcommittee.

Chairperson: ...........................................
M. Muto; Naples/IT
A. Dörrfler; Erlangen/DE
H. R. Jäger; London/UK
M. A. Lucic; Sremiska Kamenica/RS
Y. Özsunar; Aydin/TR
M. A. Papathanasiou; Athens/GR
L. Pierot; Reims/FR
I. N. Pronin; Moscow/RU
A. Ramos; Madrid/ES
B. F. Schuknect; Zurich/CH
C. Venstermans; Antwerp/BE
M. P. Wattjes; Amsterdam/NL
D. Zlatareva; Sofia/BG
# Scientific Subcommittees

## PAEDIATRIC

The ESR would like to thank the ESPR for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairperson:</th>
<th>C. Adamsbaum; Le Kremlin-Bicêtre/FR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members:</td>
<td>C. Balassy; Vienna/AT</td>
</tr>
<tr>
<td></td>
<td>M.B. Damasio; Genoa/IT</td>
</tr>
<tr>
<td></td>
<td>G. del Pozo; Madrid/ES</td>
</tr>
<tr>
<td></td>
<td>S. Hanquinet; Geneva/CH</td>
</tr>
<tr>
<td></td>
<td>P.D. Humphries; London/UK</td>
</tr>
<tr>
<td></td>
<td>R.A.J. Nievelstein; Utrecht/NL</td>
</tr>
<tr>
<td></td>
<td>L.-S. Ording Müller; Oslo/N0</td>
</tr>
<tr>
<td></td>
<td>M. Raissaki; Iraklion/GR</td>
</tr>
</tbody>
</table>

## PHYSICS IN RADIOLOGY

The ESR would like to thank EFOMP for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairperson:</th>
<th>V. Tsapaki; Athens/GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members:</td>
<td>D. Bor; Ankara/TR</td>
</tr>
<tr>
<td></td>
<td>C. J. Caruana; Msida/MT</td>
</tr>
<tr>
<td></td>
<td>J. Damilakis; Iraklion/GR</td>
</tr>
<tr>
<td></td>
<td>P. Gilligan; Dublin/IE</td>
</tr>
<tr>
<td></td>
<td>M. Kachelrieß; Heidelberg/DE</td>
</tr>
<tr>
<td></td>
<td>D. J. Lurie; Aberdeen/UK</td>
</tr>
<tr>
<td></td>
<td>K. Pedersen; Østerås/N0</td>
</tr>
<tr>
<td></td>
<td>A. Trianni; Udine/IT</td>
</tr>
</tbody>
</table>

## VASCULAR

The ESR would like to thank CIRSE for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairperson:</th>
<th>T. Sabharwal; London/UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members:</td>
<td>D. Brisbois; Liège/BE</td>
</tr>
<tr>
<td></td>
<td>K.A. Hausegger; Klagenfurt/AT</td>
</tr>
<tr>
<td></td>
<td>D. Karnabatidis; Patras/GR</td>
</tr>
<tr>
<td></td>
<td>A. Keeling; Dublin/IE</td>
</tr>
<tr>
<td></td>
<td>F. Melchiorre; Milan/IT</td>
</tr>
<tr>
<td></td>
<td>S. Müller-Hülsebeck; Flensburg/DE</td>
</tr>
<tr>
<td></td>
<td>J.-P. Pélage; Caen/FR</td>
</tr>
<tr>
<td></td>
<td>P.F. Sousa; Ermesinde/PT</td>
</tr>
</tbody>
</table>

## PHYSIOLOGIC IMAGING

The ESR would like to thank ESOR for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairperson:</th>
<th>A.G. Rockall; London/UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members:</td>
<td>K. Coenegrachts; Bruges/BE</td>
</tr>
<tr>
<td></td>
<td>J.J. Fütterer; Nijmegen/NL</td>
</tr>
<tr>
<td></td>
<td>C.J. Johnston; Dublin/IE</td>
</tr>
<tr>
<td></td>
<td>A.R. Larici; Rome/IT</td>
</tr>
<tr>
<td></td>
<td>L. Martí-Bonmatí; Valencia/ES</td>
</tr>
<tr>
<td></td>
<td>M. Müller-Schimpfe; Frankfurt a. Main/DE</td>
</tr>
<tr>
<td></td>
<td>A.E. Sundin; Stockholm/SE</td>
</tr>
<tr>
<td></td>
<td>I. Thomassin-Nagçara; Paris/FR</td>
</tr>
</tbody>
</table>

## RADIOGRAPHERS

The ESR would like to thank the EFRS and the ISRRT for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairpersons:</th>
<th>M.H. Fuchsjaeger; Graz/AT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G. Paulo; Coimbra/PT</td>
</tr>
<tr>
<td>Members:</td>
<td>E. Agadakos; Athens/GR</td>
</tr>
<tr>
<td></td>
<td>P. Bezzina; Msida/MT</td>
</tr>
<tr>
<td></td>
<td>B. Hafslund; Nesttun/N0</td>
</tr>
<tr>
<td></td>
<td>I. Henderson; Aberdeen/UK</td>
</tr>
<tr>
<td></td>
<td>A. Kowalik; Poznan/PL</td>
</tr>
<tr>
<td></td>
<td>T. Roding; Haarlem/NL</td>
</tr>
</tbody>
</table>

## EMERGENCY RADIOLOGY

The ESR would like to thank ESER for their cooperation on this subcommittee

<table>
<thead>
<tr>
<th>Chairperson:</th>
<th>M. Stajgis; Poznan/PL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members:</td>
<td>H. Alkadhi; Zurich/CH</td>
</tr>
<tr>
<td></td>
<td>J.M. Artigas; Zaragoza/ES</td>
</tr>
<tr>
<td></td>
<td>R. Basilico; Chieti/IT</td>
</tr>
<tr>
<td></td>
<td>F.H. Berger; Amsterdam/NL</td>
</tr>
<tr>
<td></td>
<td>P. Ilves; Tartu/EE</td>
</tr>
<tr>
<td></td>
<td>B. Popa; Bucharest/RO</td>
</tr>
<tr>
<td></td>
<td>E. Schouman-Claeys; Paris/FR</td>
</tr>
<tr>
<td></td>
<td>S. Wirth; Munich/DE</td>
</tr>
</tbody>
</table>
ECR 2015 Topic Coordinators

EUROPEAN EXCELLENCE IN EDUCATION (E³)

E³ – Rising Stars Programme:
- M. Szczerbo-Trojanowska; Lublin/PL
- K.M. Friedrich; Vienna/AT
- S. Robinson; Vienna/AT

E³ – The Beauty of Basic Knowledge:
- V.N. Cassar-Pullicino; Oswestry/UK
- J. Camps Herrero; Valencia/ES

E³ – European Diploma Prep Sessions:
- B. Ertl-Wagner; Munich/DE

E³ – ECR Academies:
- G. Antoch; Düsseldorf/DE (basic)
- K. Åhlström Riklund; Umeå/SE (advanced)
- F. Orsi; Milan/IT
- H.C. Thoeny; Berne/CH
- M.G. Mack; Munich/DE
- S.A. Taylor; London/UK

E³ – Master Classes:
- S.A. Taylor; London/UK
- F. Sardanelli; San Donato Milanese/IT
- R. Vliegenthart; Groningen/NL
- F.M.A. Kiessling; Aachen/DE
- H.C. Thoeny; Berne/CH
- M. Bezzi; Rome/IT
- A. Klauser; Innsbruck/AT
- M. Muto; Naples/IT
- C. Adamsbaum; Le Kremlin-Bicêtre/FR
- T. Sabharwal; London/UK
- A.G. Rockall; London/UK
- M. Stajgis; Poznan/PL

ECR 2015 Committees

MINI COURSE

Joint Course of ESR and RSNA (Radiological Society of North America):
- Emergency Radiology
  - A.D. Gean; San Francisco, CA/US
  - U. Linsenmaier; Munich/DE
  - S.E. Mirvis; Baltimore, MD/US
  - A. Palkó; Szeged/HU
  - R. J. Zagoria; San Francisco, CA/US

MULTIDISCIPLINARY SESSIONS

Management of rectal cancer: a paradigm shift
- R.G.H. Beets-Tan; Maastricht/NL

Solving the crossword puzzle in diffuse interstitial lung disease (DILD)
- H.-U. Kauczor; Heidelberg/DE

Critical limb ischemia (CLI): limb salvage or life salvage?
- J.A. Reekers; Amsterdam/NL

PROS AND CONS SESSION

Breast cancer: to screen or not to screen?
- F. Sardanelli; San Donato Milanese/IT

www.myESR.org Preliminary Programme | ECR 2015 119