

European Congress of Radiology

ECR 2016

Vienna
March 2–6

PRELIMINARY PROGRAMME

Second Edition

ESR
EUROPEAN SOCIETY
OF RADIOLOGY



ECR 2016 will be a green meeting designed to meet environmental sustainability criteria set by the *Österreichisches Umweltzeichen* (Austria's national eco-friendly certificate).

Coordination

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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 III Subspecialty training standard

ECR 2016 TIMELINE

From September 1, 2015	Online Registration Open
August 3 – December 14, 2015	Submission for <i>Know Your Calcifications!</i> (Case-Based Diagnosis Training)
August 4 – December 18, 2015	Abstract Submission Clinical Trials in Radiology
August 14 – December 18, 2015	Poster Upload to EPOS™ (for Accepted Abstracts)
December 2015	Notification of Paper Abstract Acceptance (Oral Presentations)
March 2-6, 2016	ECR 2016 Wednesday to Sunday

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 awarded by the Austrian Medical Chamber is 40. Please note that this number may differ from the maximum number of credits your national jurisdiction approves for your continuous medical education.

An application has been made to the EACCME® for CME accreditation of this event.

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

Facts & Figures 2015

- 25,540 Participants
- 5,971 registered ECR Live viewers
- 122 Countries
- 328 Scientific and Educational Sessions
- 2,894 Scientific and Educational Exhibits
- 1,290 Scientific Papers
- 724 Invited Lectures
- Fully Electronic Scientific Exhibition
- 300 exhibitors, including national, international and subspecialty societies
- 26,000m² exhibition space

Scientific and Educational Programme

3 Honorary Lectures
4 ESR/EFRS meets Sessions
2 Image Interpretation Quizzes
3 New Horizons Sessions
3 State of the Art Symposia
9 Professional Challenges Sessions
3 Multidisciplinary Sessions
15 Special Focus Sessions
Joint Course of the ESR and RSNA
E³ – European Excellence in Education
E³ – Rising Stars Programme (for Residents & Students)
E³ – European Diploma Prep Sessions
E³ – The Beauty of Basic Knowledge
E³ – ECR Academies
E³ – ECR Master Classes
Pros & Cons Session
Refresher Courses & Scientific Sessions
Case-Based Diagnosis Training
Radiology Trainees Forum (RTF) – Highlighted Lectures
RTF Quiz
4 EuroSafe Imaging Sessions
EDiR Session
EIBIR Sessions
ESOR Session
Joint Sessions with related societies
(EANM, EFSUMB, ERS, ESHI, ESMRMB, ESPR, ESTRO)
3 MIR @ ECR Sessions
2 ESR Patient Advisory Group Sessions
ESR Working Group on Ultrasound Session
American College of Radiology Session
EFOMP Workshop
Satellite Symposia & Industry Workshops

REGISTRATION INFORMATION

Registration Fees (including 10% VAT):

	Middle Fee	Late Fee
ESR Full Member	€570	€695
ESR Allied Science Member	€690	€900
ESR Corresponding Member	€690	€900
Full Fee Non-Member	€910	€995
Resident Member	€375	€500
Resident Non-Member	€445	€600
Radiographer Member	€320	€460
Radiographer Non-Member	€420	€560
Hospital Manager	€850	€950
Nurse/Nurse Practitioner	€320	€460
Student@ECR*	€50	€50
Oral Presenter Member	€250	-
Participate from home**	€330	€330
Single Day Ticket €310	onsite only	onsite only

Registration as Member

In order to qualify for reduced member registration fees for ECR 2016, ESR Membership for the year 2015 must have been settled and approved by August 27, 2015.

All other participants must register as non-members.

Please note that the ESR will not refund any registration fees once registration and payment have been completed, including in cases of subsequent ticket changes or membership-related changes.

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

****Participate from home**

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

ECR Registration Deadlines

Middle Fee: November 12 – December 17, 2015

Late Fee: from December 18, 2015 onwards

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/registration2016 or contact registration@myESR.org

TIMETABLE

	08:30 09:00 09:30 10:00	10:30 11:00 11:30 12:00	12:15 13:00 13:30 14:00
Wednesday, March 2	<p>New Horizons Session NH 1 E³ - ECR Academy E³ 121 E³ - ECR Master Class E³ 126</p> <p>Refresher Courses (100) EuroSafe Imaging Session 1</p> <p style="text-align: center;">1</p>	<p>E³ - ECR Academy E³ 221</p> <p>Scientific Sessions (200)</p> <p>Satellite Symposium SY 1a</p> <p style="text-align: center;">2</p>	<p>E³ - The Beauty of Basic Knowledge E³ 24A, E³ 25A</p> <p>Clinical Trials in Radiology 1</p> <p>Satellite Symposia SY 1b, SY 2, SY 3, SY 4</p>
Thursday, March 3	<p>New Horizons Session NH 5 Professional Challenges Session PC 5 Special Focus Session SF 5 State of the Art Symposium SA 5 E³ - ECR Academies E³ 522, E³ 521, E³ 519 E³ - ECR Master Class E³ 526</p> <p>Refresher Courses (500) Joint Course: ESR and RSNA MC 528 E³ - Rising Stars Programme Basic Session 1</p> <p style="text-align: center;">5</p>	<p>E³ - ECR Academies E³ 621, E³ 622</p> <p>Joint Course: ESR and RSNA MC 628</p> <p>Scientific Sessions (600)</p> <p>E³ - Rising Stars Programme Basic Session 2</p> <p style="text-align: center;">6</p>	<p>Wilhelm Conrad Röntgen Honorary Lecture <i>Andrea G. Rockall; UK</i></p> <p>E³ - The Beauty of Basic Knowledge E³ 24B, E³ 25B</p> <p>Clinical Trials in Radiology 2</p> <p>Satellite Symposia SY 5, SY 6, SY 7, SY 8, SY 9, SY 10, SY 11, SY 12</p> <p>RTF Quiz</p>
Friday, March 4	<p>Professional Challenges Sessions PC 9a, PC 9b Special Focus Sessions SF 9a, SF 9b, SF 9c E³ - ECR Academies E³ 922, E³ 921, E³ 920, E³ 919</p> <p>Refresher Courses (900)</p> <p>EFOMP Workshop EF 1</p> <p>E³ - Rising Stars Programme Student Session 3</p> <p style="text-align: center;">9</p>	<p>ESR meets the Nordic Countries</p> <p>E³ - ECR Academies E³ 1022, E³ 1021</p> <p>Scientific Sessions (1000)</p> <p>EFOMP Workshop EF 2</p> <p>E³ - Rising Stars Programme Student Session 4</p> <p style="text-align: center;">10</p>	<p>Josef Lissner Honorary Lecture <i>Valérie Vilgrain; FR</i></p> <p>E³ - The Beauty of Basic Knowledge E³ 24C, E³ 25C</p> <p>MIR @ ECR Session MIR 1</p> <p>Satellite Symposia SY 13, SY 14, SY 15, SY 16, SY 17, SY 18, SY 19, SY 20</p>
Saturday, March 5	<p>Special Focus Sessions SF 13a, SF 13b, SF 13c, SF 13d E³ - ECR Academies E³ 1321, E³ 1318 E³ - European Diploma Prep Session E³ 1323</p> <p>Refresher Courses (1300)</p> <p>ESR Patient Advisory Group ESR-PAG 1</p> <p>E³ - Rising Stars Programme Basic Session 4</p> <p style="text-align: center;">13</p>	<p>ESR meets Japan</p> <p>E³ - ECR Academy E³ 1421 E³ - European Diploma Prep Session E³ 1423 Refresher Course RC 1405</p> <p>Scientific Sessions (1400)</p> <p>ESR Patient Advisory Group ESR-PAG 2</p> <p>RTF Highlighted Lectures</p> <p>E³ - Rising Stars Programme Basic Session 5</p> <p style="text-align: center;">14</p>	<p>Sven-Ivar Seldinger Honorary Lecture <i>Staffan Holmin; SE</i></p> <p>E³ - The Beauty of Basic Knowledge E³ 24D, E³ 25D</p> <p>Junior Image Interpretation Quiz</p> <p>EIBIR Session 3</p> <p>Satellite Symposia SY 26, SY 27, SY 28, SY 29, SY 30</p>
Sunday, March 6	<p>Special Focus Sessions SF 17a, SF 17b Professional Challenges Session PC 17 State of the Art Symposium SA 17 E³ - ECR Academy E³ 1721 E³ - ECR Master Classes E³ 1726a, E³ 1726b, E³ 1726c, E³ 1726d</p> <p>Refresher Courses (1700)</p> <p>EIBIR Session 4</p> <p>Joint Session: ESR and ESHI</p> <p>E³ - Rising Stars Programme Basic Session 6</p> <p style="text-align: center;">17</p>	<p>ESR meets Colombia</p> <p>Professional Challenges Session PC 18 E³ - ECR Master Class E³ 1826 E³ - European Diploma Prep Session E³ 1823</p> <p>Scientific Sessions (1800)</p> <p style="text-align: center;">18</p>	<p>E³ - The Beauty of Basic Knowledge E³ 24E, E³ 25E</p> <p>E³ - Rising Stars Programme Case-Based Diagnosis Training</p>

The Voice of EPOS • in the EPOS™ Arena
Wednesday - Saturday: hourly between 09:00 and 17:00 • Sunday: hourly between 09:00 and 13:00

TIMETABLE

14:00 14:30 15:00 15:30	16:00 16:30 17:00 17:30	17:45 18:00 18:30 19:00	
<p>Scientific Sessions (300) Satellite Symposium ⚡ SY 1c</p> <p style="text-align: right; font-size: 2em;">3</p>	<p>New Horizons Session NH 4 E³ - ECR Academy E³ 419 E³ - ECR Master Classes E³ 426a, E³ 426b Pros & Cons Session PS 427</p> <p>Refresher Courses (400) EuroSafe Imaging Session 2 Satellite Symposium ⚡ SY 1d</p> <p style="text-align: right; font-size: 2em;">4</p>	<p>Opening Ceremony Presentation of Honorary Members: <i>Ronald L. Arenson; US</i> <i>Hassen A. Gharbi; TN</i> <i>Qiyong Guo; CN</i></p>	<p>Wednesday, March 2</p>
<p>E³ - ECR Academies E³ 721, E³ 722</p> <p>Scientific Sessions (700) EIBIR Session 1 ESOR Session Joint Course: ESR and RSNA MC 728 E³ - Rising Stars Programme Student Session 1</p> <p style="text-align: right; font-size: 2em;">7</p>	<p>Professional Challenges Sessions PC 8a, PC 8b Special Focus Sessions SF 8a, SF 8b, SF 8c, SF 8d Multidisciplinary Session MS 8 E³ - ECR Academies E³ 822, E³ 821, E³ 819 Refresher Courses (800) Joint Session: American College of Radiology Session ESR Working Group on Ultrasound Joint Course: ESR and RSNA MC 828 E³ - Rising Stars Programme Student Session 2</p> <p style="text-align: right; font-size: 2em;">8</p>		<p>Thursday, March 3</p>
<p>EFRS meets Sweden Image Interpretation Quiz MIR @ ECR Session MIR 2 EIBIR Session 2 Joint Session: ESR and ESMRMB Satellite Symposia SY 21, SY 22, SY 23, SY 24, SY 25</p> <p style="text-align: right; font-size: 2em;">11</p>	<p>Professional Challenges Sessions PC 12a, PC 12b E³ - ECR Academies E³ 1221, E³ 1220, E³ 1218 E³ - ECR Master Classes E³ 1226a, E³ 1226b, E³ 1226c</p> <p>Refresher Courses (1200) MIR @ ECR Session MIR 3 EuroSafe Imaging Session 3 Joint Session: ESR and EANM EDiR talk E³ - Rising Stars Programme Basic Session 3</p> <p style="text-align: right; font-size: 2em;">12</p>		<p>Friday, March 4</p>
<p>Special Focus Session SF 15 State of the Art Symposium SA 15 E³ - ECR Academies E³ 1521, E³ 1520, E³ 1518 E³ - ECR Master Class E³ 1526 E³ - European Diploma Prep Session E³ 1523</p> <p>Refresher Courses (1500) Joint Session: ESR and ERS E³ - Rising Stars Programme Student Final Session</p> <p style="text-align: right; font-size: 2em;">15</p>	<p>Special Focus Session SF 16 Multidisciplinary Sessions MS 16a, MS 16b E³ - ECR Academies E³ 1621, E³ 1620, E³ 1618 E³ - ECR Master Class E³ 1626 E³ - European Diploma Prep Session E³ 1623</p> <p>Refresher Courses (1600) EuroSafe Imaging Session 4 Joint Session: ESR and ESTRO Joint Session: ESR, EFSUMB and ESPR</p> <p style="text-align: right; font-size: 2em;">16</p>		<p>Saturday, March 5</p>
<p>E³ - European Diploma Prep Session E³ 1923</p> <p>Scientific Sessions (1900) E³ - Rising Stars Programme Case-Based Diagnosis Training</p> <p style="text-align: right; font-size: 2em;">19</p>			<p>Sunday, March 6</p>

The Voice of EPOS • in the EPOS™ Arena
Wed – Sat: hourly between 09:00 and 17:00 • Sun: hourly between 09:00 and 13:00

FOREWORD BY THE ESR PRESIDENT

DEAR COLLEAGUES,

As president of the European Society of Radiology, it is a privilege to address you in the preliminary programme for our forthcoming annual meeting, the European Congress of Radiology (ECR), and it is a real pleasure to see within these pages what a great and varied congress awaits us in March. The congress comes around so quickly each year, that it is quite astonishing how much new content always seems to be packed into each one. But that is the nature of radiology, the discipline that never stands still. On one hand, the pace at which our field advances makes it a challenge to keep up with, but on the other hand, there is so much to share, that each year we have more than enough to fill an enormous congress and indulge in this mass exchange of knowledge.

One of the most notable things about the ECR is its **diversity**. It is easy to call it a European meeting for radiologists, but this is far from the whole truth. Not only do we see people from all over the world attending the meeting, but we also welcome many **radiographers and medical physicists**, as well as plenty of representatives of **other disciplines and professions**. In particular, the close involvement of the **European Federation of Radiographer Societies (EFRS)**, and their promotion of the ECR as the **primary event for radiographers in Europe**, has seen the programme for radiographers at the ECR grow in recent years, not only in terms of the number of sessions, but also in attendance.

At the last leadership meeting between the ESR and EFRS, we made an agreement to develop this relationship even further, by focusing our efforts on increasing the number of radiographer members within the ESR. The Spanish Association of Technicians in Radiology (AETR) has already expressed interest in the idea of making all of its members ESR individual members, and we are in contact with other national radiographer societies in this regard. Not only will this allow more radiographers to avail themselves of the benefits of ESR membership, including reduced registration fees for the ECR, but it would also enhance the ESR's ability to communicate directly with the whole radiological community.

Addressing radiology as a whole has always been a key interest of the ESR, since the society was formed to provide a single house for the specialty in Europe. Although we work in different countries with varying health and educational systems, we are all part of the radiological family, and the ESR has worked hard to bring that family closer together over the last decade, with many initiatives designed to highlight and support our profession however possible. **Close working relationships with subspecialty and national societies** are absolutely key, which makes it especially helpful that numerous societies, as well as their congresses, are managed at the ESR headquarters in Vienna. Having these organisations under one roof is beneficial to all, and the feedback has always been very positive.

FOREWORD BY THE ESR PRESIDENT

The Swiss Society of Radiology is the most recent success story, having had their annual congress organised by the ESR in May 2015, and subsequently asking the ESR head office to provide management services for the society as well. We will soon begin actively promoting our services to the ESR's national member societies in Europe to inform them about the considerable advantages, as we believe building such firm operational connections is a huge bonus for all involved.

Also among the societies based at the ESR headquarters is the newly formed **European Society for Hybrid Medical Imaging (ESHI)**, which was established in response to the growing demand for knowledge and skills created by the steadily increasing use of PET/CT and MR/PET. A **joint ESR/ESHI session**, coordinated by ECR President Prof. Katrine Riklund, who is also ESHI president, will be held at ECR 2016, on Sunday March 6, giving us all a chance to meet and engage with this new society. Another item in the ECR programme that reflects the ESR's recent activities is the **EIBALL session**. EIBALL, which stands for **European Imaging Biomarkers Alliance**, was established as a subcommittee of the ESR Research Committee in early 2015, bringing the ESR's various initiatives in the field of imaging biomarkers under one umbrella.




Prof. Luis Donoso Bach is Director of the Diagnostic Imaging Department of the Hospital Clínic of the University of Barcelona, Spain. He is also the Executive Director of the UDIAT Diagnostic Centre at the Health Corporation Parc Taulí.

FOREWORD BY THE ESR PRESIDENT

Another way in which the ESR has recently cooperated with subspecialty societies is by officially endorsing **sub-specialty diplomas** that fulfil the ESR's diploma endorsement criteria. Numerous societies have already been given this accolade, which sees the ESR logo as well as the signature of the ESR President together with the signature of the president of the respective subspecialty society added to the diploma certificates. The ESR has recently updated its subspecialty diploma endorsement criteria to take into account several major developments of the last two years, such as the updated and supplemented European Training Curriculum for Radiology, including the subspecialisation curriculum and the undergraduate curriculum, and has circulated it among our subspecialty member societies.

This is very much in line with our **commitment to education**. High quality European subspecialty diplomas are an extremely helpful standard for radiologists and employers alike, as is the increasingly well-recognised **European Diploma in Radiology (EDiR)**, which will again feature at the congress. Around 130 candidates will take the EDiR examination at ECR 2016, during which the new 'skills examination' will be introduced, developed from the old 'oral examination' format. Such evolution, ensuring EDiR is a reliable and valued test of candidates' abilities, is an absolute must, as investing legitimacy in such qualifications is an important step in the complex process of homogenising education in Europe.

There is, of course, one educational string to the ESR's bow that has long been universally recognised to the same degree by everyone throughout Europe: the ECR. Even the briefest browse through this preliminary programme will assure you that ECR 2016 will maintain that reputation. Prof. Riklund has put together a wonderful programme, and I am relishing the prospect of visiting Vienna again in March and experiencing as much of it as possible. I look forward to seeing many of you there.



Luis Donoso Bach
ESR President

European Congress of Radiology

ECR 2016

Vienna
March 2–6

Register Now!

myESR.org

FOREWORD BY THE ECR PRESIDENT

DEAR COLLEAGUES, DEAR FRIENDS,

Thank you all for putting your confidence in me as the Congress President of the European Congress of Radiology (ECR) 2016. It is a pleasure to present this Preliminary Programme to all of you. A lot of people have been involved, during a period of almost two years, in choosing this year's selection of different aspects of radiology and related sciences, and thereafter creating the foundation of the ECR 2016 programme. I would like to say thank you to one and all in the ECR 2016 Congress Committee and the Programme Planning Committee, as well as the chairs and members of the Scientific Committees, because without this cooperation, the congress could never be as excellent as it is. Furthermore, I would like to give special thanks to the staff at the ESR Office in Vienna, the best staff ever, since their dedication and support is outstanding.

For ECR 2016 there are of course some innovations, but we will also retain many good things from the past. The structure of the educational programme, **E³ - European Excellence in Education**, will stay the same as last year, with the intention of providing something suitable for everyone, from students to those at a very advanced level. The **E³ programme** is divided into the Rising Stars Programme, The Beauty of Basic Knowledge, European Diploma Prep Sessions, ECR Academies, and ECR Master Classes, in order of increasing complexity. All sessions are marked with levels according to the European Training Curriculum. Beside this, you will also find refresher courses, pros and cons sessions, multidisciplinary sessions, new horizons sessions, state of the art symposia, special focus sessions, as well as many high quality scientific sessions at ECR 2016.

For the first time, you will have the possibility to hear the Voice of EPOS™ at the new **EPOS™ Arena**, with the authors of electronic posters appearing in person to give presentations about their work, which will also be broadcast online via the **ECR Live** streaming service.



Prof. Katrine Riklund is a radiologist who is also licensed in nuclear medicine at Umeå University Hospital, Sweden. She is deputy head of the department of radiation sciences and director of the medical school at Umeå University.

You can watch these presentations each day during the conference, and there will be sessions for organ-based topics as well as sessions grouped by language. Furthermore, in 2016 we will not have any separate programme for hybrid imaging, since it is now integrated into a lot of different sessions.

I would also like to welcome you to the **'ESR Meets' sessions** where you can gain experience of radiology from other countries and parts of the world. These are always highlights and will certainly be so again at ECR 2016. I am delighted to welcome colleagues from the Japanese Society of Radiology as well as from the Colombian Society of Radiology to present their respective views of the field of radiology.

FOREWORD BY THE ECR PRESIDENT

The third meets session is not with an individual country, but a collection of countries; I am so proud to welcome my part of the world, the Nordic Countries, which are Sweden, Norway, Finland, Denmark and Iceland. At all these sessions you will have something radiological, something cultural and maybe something surprising, and with this selection of countries, with a worldwide spread, I am sure we will have a lot of interesting talks to look forward to.

Instead of including a partner discipline in the ESR Meets programme this year, we will have a joint session with the partner discipline nuclear medicine, since we think we need to do more than just 'meet'. I am very pleased to tell you that, together with the European Association of Nuclear Medicine (EANM), we will hold a session where European experts will tell us about the added value of both specialities in dementia and prostate cancer imaging, which I am confident will be very interesting. There are many more **joint sessions** which the ESR will co-host together with other organisations, such as the American College of Radiology (ACR), the European Federation of Organisations for Medical Physics (EFOMP), Management in Radiology (MIR), the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), the European Institute for Biomedical Imaging Research (EIBIR), the Patient Advisory Group (PAG), the European Respiratory Society (ERS), the European Society for Radiotherapy and Oncology (ESTRO), the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB), the European Society for Hybrid Medical Imaging (ESHI) and the Radiological Society of North America (RSNA), which makes ECR 2016 an even more collaborative congress than previous years.

As usual, also the **European Federation of Radiographer Societies** is important at the congress, with several sessions planned especially for radiographers, including the 'EFRS meets Sweden' session, which will see top radiographers from my homeland giving insight into their clinical and research work.

Finally, I would like to mention the **European Diploma in Radiology (EDiR)**. The examinations for the EDiR have now been taking place at the ECR for some years, as well as at various other congresses, and the EDiR continues to grow in popularity. I am very pleased to say that it will grow even further at ECR 2016, as we will host another large diploma examination. Candidates accepted to take the EDiR examination who applied before November 11 will also receive free congress registration.

I would also like to mention **ECR Live**. The portal is used by several thousands of viewers to follow the ECR from a distance, but I suggest you also use this service onsite in Vienna, for instance to catch up with sessions you cannot visit due to schedule conflicts within the programme. Because, even if we try, there will always be conflicts, since all sessions are so interesting, and there are so many taking place in parallel.

With this short taste of the world of radiology at ECR 2016, I hope you choose to be part of it here in Vienna, even if it is possible to follow the congress from home. To be onsite, to meet friends and colleagues, to make new friends and professional connections, to enjoy the cultural life in Vienna, and not forgetting to get lost each day in the triangular building that is our venue, is not exchangeable with live streaming at a computer.

I hope you find something tempting in the programme, I hope you choose ECR 2016 and I hope you choose to be onsite at ECR 2016!

I look forward to welcoming you!



Katrine Riklund
ECR 2016 Congress President

HEADLINE SESSIONS



OPENING CEREMONY

Wednesday, March 2, 17:45-19:00, Room A

Luis Donoso Bach; Barcelona/ES
ESR President

Katrine Riklund; Umeå/SE
ECR 2016 Congress President

Presentation of Honorary Membership

Ronald L. Arenson; San Francisco, CA/US
Hassen A. Gharbi; Tunis/TN
Qiyong Guo; Shenyang/CN

WILHELM CONRAD RÖNTGEN HONORARY LECTURE (HL 1)

Imaging the invisible killer:
towards personalisation of ovarian cancer care

Thursday, March 3, 12:15-12:45, Room A

Andrea G. Rockall; London/UK

JOSEF LISSNER HONORARY LECTURE (HL 2)

Liver imaging: where do we stand now?

Friday, March 4, 12:15-12:45, Room A

Valérie Vilgrain; Clichy/FR

SVEN-IVAR SELDINGER HONORARY LECTURE (HL 3)

Imaging and micrornavigation: time to redraw the map?

Saturday, March 5, 12:15-12:45, Room A

Staffan Holmin; Stockholm/SE

IMAGE INTERPRETATION QUIZ

Imaging with the stars

Friday, March 4, 14:00-15:30, Room A

Moderator: **A.G. Rockall; London/UK**

JUNIOR IMAGE INTERPRETATION QUIZ

Millennials showdown: the next generation of radiology

Saturday, March 5, 12:55-13:55, Room A

Moderator: **F. Arnberg; Stockholm/SE**

DIGNITARIES TO BE HONOURED AT ECR 2016



Ronald L. Arenson
San Francisco, CA/US
Honorary Member

Ronald L. Arenson is the Alexander R. Margulis Distinguished Professor of Radiology and chair of the Department of Radiology and Biomedical Imaging at the University of California, San Francisco, USA, where he has worked since 1992. He is president of the Radiological Society of North America. Prof. Arenson received his medical degree in 1970 from New York Medical College in New York and completed his diagnostic radiology residency at Massachusetts General Hospital in Boston.

He began his academic career in 1976 at the University of Pennsylvania, where he became associate chairman of clinical services in radiology, director of administrative services, and interim vice provost for information systems and computing for the campus. His research interest is interventional radiology and he has patented new techniques in the field.

Prof. Arenson has authored or co-authored more than 110 peer-reviewed scientific articles, four book chapters, three books and numerous exhibits, abstracts and editorials. He has also served on the editorial boards of several journals.

At ECR 2016, he will be awarded **Honorary Membership** of the European Society of Radiology.



Hassen A. Gharbi
Tunis/TN
Honorary Member

Hassen A. Gharbi is professor of radiology and medical biophysics in Tunis, Tunisia. He is the immediate past president of both the World Federation for Ultrasound in Medicine and Biology and the African Society of Radiology. He obtained his medical degree in 1966 from Paris Medical School, where he subsequently specialised in radiology, aeronautic medicine, medical informatics and medical biophysics. He completed a PhD in optic physiology at the Orsay Science Faculty in Paris, and two decades later graduated in management of radiation accidents from Oak Ridge Associated Universities, Tennessee, USA.

Prof. Gharbi worked at the biophysics department of Paris Medical School before being appointed vice dean of Tunis Medical School. In 1970 he created and headed the first paediatric radiology department in North Africa at Tunis Children's Hospital, where he also headed the medical biophysics department. Prof. Gharbi was the founder and first director of the Tunisian National Centre of Radiation Protection, founder and first president of the Mediterranean and African Society of Ultrasound, and has served as president of the African Society of Radiology.

At ECR 2016, he will be awarded **Honorary Membership** of the European Society of Radiology.



Qiyong Guo
Shenyang/CN
Honorary Member

Qiyong Guo is professor of radiology and chairman of the radiology department at Shengjing Hospital, China Medical University (CMU), Shenyang, China. He is also president of Shengjing Hospital, vice president of CMU, and dean of the radiology faculty.

Prof. Guo graduated from CMU in 1983 and started working as a radiologist in Shengjing Hospital. In 1988 he went to study at Nara Medical University, Japan, where he obtained his medical degree. In 1993 he returned to Shengjing Hospital, where he was appointed to his current positions. His research interests are in abdominal imaging, especially of the liver and biliary tract, non-vascular interventional radiology, and tumour diagnosis and treatment. Prof. Guo has published more than 150 specialised papers and mentored more than 100 graduate students and PhD doctors.

He is president of the Chinese Association of Radiologists, chairman of Medical Imaging of the China Hospitals Association and an executive member of the Asian Oceanian Society of Radiology.

At ECR 2016, he will be awarded **Honorary Membership** of the European Society of Radiology.



Gabriel P. Krestin

Rotterdam/NL

Gold Medallist

Gabriel P. Krestin is full professor of radiology and chairman of the radiology department at Erasmus MC, University Medical Centre Rotterdam, the Netherlands.

He graduated in medicine from the University of Cologne in Germany, where he completed his residency in radiology in 1988. After receiving fellowship training in abdominal imaging and MRI, Prof. Krestin completed a PhD at the same university.

He was subsequently appointed radiologist and head of the MRI centre at Zürich University Hospital, Switzerland, where he later became associate professor of radiology and head of the clinical radiology service. He also served as acting chairman of the diagnostic radiology department before he moved to his present position in the Netherlands.

Prof. Krestin was a permanent visiting professor at Stanford University Medical School from 1998 to 2009. His main areas of research are abdominal, cardio-vascular, molecular and population imaging. Prof. Krestin has served as president of the both the European Society of Radiology and the International Society for Strategic Studies in Radiology.

At ECR 2016, he will be awarded the **Gold Medal** of the European Society of Radiology.



Claude Manelfe

Toulouse/FR

Gold Medallist

Claude Manelfe is professor emeritus at Paul Sabatier University in Toulouse, France. He was professor and chairman of diagnostic radiology at Paul Sabatier University for thirty years, and head of the diagnostic and therapeutic neuroradiology department at Purpan University Hospital in Toulouse. Prof. Manelfe received his medical degree in 1969 from Toulouse University, where he subsequently completed fellowships in neurology and radiology. His main interest was in interventional neuroradiology and embolisation at the beginning of the 1970s, and MRI and imaging of the spinal cord later. Prof. Manelfe is a founding member, former president and secretary general of the French Society of Neuroradiology. He also served as president of the European Society of Neuroradiology from 1998 to 2000.

He was a visiting professor at the University of California, San Francisco, and University of British Columbia, Vancouver.

At ECR 2016, he will receive the **Gold Medal** of the European Society of Radiology.



Peter Vock

Spiegel/CH

Gold Medallist

Peter Vock is professor emeritus at the University of Bern and senior consultant radiologist at Inselspital University Hospital in Bern, Switzerland. He chaired the Institute of Radiology of the University of Bern from 1989 to 2012. His research interests focus on chest imaging, CT, and particularly radiation protection.

He has dedicated much of his work to radiation protection on an institutional, professional, national and international level, serving as a member of the Swiss Federal Commission of Radiation Protection for over twelve years and chairing the commission's medical subcommittee for six years. He was also responsible for radiation protection within the Swiss Society of Radiology and is currently serving as chairman of the Radiation Protection Subcommittee of the European Society of Radiology. Prof. Vock has also represented the ESR in different radiation protection projects, such as EMAN, MEDRAPET, PiDRL. He is Deputy Editor of *European Radiology* and a member of the Steering Committee of the EuroSafe Imaging Campaign.

At ECR 2016, he will receive the **Gold Medal** of the European Society of Radiology.



Staffan Holmin
Stockholm/SE
Honorary Lecturer

Staffan Holmin is the Söderberg Professor of Clinical Neuroimaging at Karolinska Institute, Stockholm, Sweden. He is also consultant in endovascular neurointervention and vice chairman of the neuroradiology department at Karolinska University Hospital in Stockholm, Sweden. Prof. Holmin leads the research group in neuroradiology at Karolinska Institute, working on clinical and experimental projects in stroke management and development of endovascular techniques, and is responsible for the imaging research facilities in the planning of the new Karolinska Hospital. After graduating with a medical degree from Karolinska Institute in 1995, Prof. Holmin obtained his doctoral degree in 1997 and his physician certification from the same institution in 1999. He has been working at the Karolinska University Hospital ever since.

In 2006 he did a one-year fellowship and post-doctoral training at Bicêtre Hospital in Paris, France, and subsequently obtained his board certification in neurosurgery and neuroradiology.

At ECR 2016, he will present the **Sven-Ivar Seldinger Honorary Lecture** entitled 'Imaging and micronavigation - time to redraw the map?'



Andrea G. Rockall
London/UK
Honorary Lecturer

Andrea G. Rockall is a consultant radiologist at the Imperial College Healthcare NHS Trust and visiting professor of radiology at the Imperial College in London, UK.

She graduated in neuroanatomy from King's College London in 1987 and received her medical degree from King's College Hospital Medical School in 1990. She was awarded the Rohan Williams medal by the Royal College of Radiologists (RCR) upon completing her FRCR examination in 1997. After her medical training, she worked as a registrar in radiology at St. Mary's Hospital and as a senior registrar in radiology at the University College of London Hospitals as part of her radiology rotation. Prior to her current position, she was honorary professor of cancer imaging at Barts Cancer Institute, Queen Mary University of London.

Prof. Rockall is president of the International Cancer Imaging Society and a member of numerous organisations, including the British Gynaecological Cancer Society, the RCR and the National Cancer Intelligence Network.

At ECR 2016, she will present the **Wilhelm Conrad Röntgen Honorary Lecture** entitled 'Imaging the invisible killer: towards personalisation of ovarian cancer care'.



Valérie Vilgrain
Clichy/FR
Honorary Lecturer

Valérie Vilgrain is chair of the radiology department at Beaujon University Hospital in Clichy and full professor of radiology at Paris Diderot University - Paris 7, Paris, France. Prof. Vilgrain obtained her medical degree from René Descartes University in Paris in 1985. She then did a residency in radiology at Paris University and completed a fellowship in radiology at Beaujon University Hospital. Her major research interests are diagnostic and interventional imaging of the liver, pancreas and bile ducts, with a focus on multidetector CT, MRI, contrast-enhanced ultrasound and functional imaging.

She holds membership of many societies, including the European Society of Radiology, the Radiological Society of North America and the European Society of Gastrointestinal and Abdominal Radiology. Prof. Vilgrain has served as vice-chairperson of the French Radiological Society and chairperson of the Education Programme Committee for the society's annual meeting. She serves on several committees of the European Congress of Radiology and chairs the RSNA Regional Committee for Europe.

At ECR 2016, she will present the **Josef Lissner Honorary Lecture**, titled 'Liver imaging: where do we stand now?'

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E³ - ECR ACADEMIES:

Modern imaging in Colorectal Cancer	L.K. Blomqvist; Stockholm/SE
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CASES OF THE DAY

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	A.G. Rockall; London/UK
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JUNIOR IMAGE INTERPRETATION QUIZ

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 Vascular (CIRSE)..... **L.P. Lawler**; Dublin/IE
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 Emergency Radiology (ESER)..... **H. Alkadhi**; Zurich/CH

MINI COURSE

Joint Course of ESR and RSNA

(Radiological Society of North America):

Emergency Radiology

..... **U. Linsenmaier**; Munich/DE
 **A. Palkó**; Szeged/HU
 **M. Smits**; Rotterdam/NL
 **R.J. Zagoria**; San Francisco, CA/US

MULTIDISCIPLINARY SESSIONS

Sports injuries:
 diagnosis and management..... **M. Padrón**; Madrid/ES
 Pancreatic cancer:
 radiological diagnosis and treatment... **L. Grenacher**; Heidelberg/DE
 Uterine myomas:
 radiological diagnosis and treatment..... **A.-M. Belli**; London/UK

PROS AND CONS SESSION

Risks and benefits
 of reporting incidental findings..... **S. Weckbach**; Heidelberg/DE

CLINICAL TRIALS IN RADIOLOGY

..... **M. Dewey**; Berlin/DE



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ESIRIA

ESR/EFRS MEETS SESSIONS

Once again, the ESR will welcome a number of guest countries to the ECR as part of the 'ESR meets' programme.

The national radiological societies of Colombia, Japan, and the Nordic countries, will present their most recent scientific developments in joint sessions with the ESR, and try to strengthen links between professionals from different countries and disciplines. The European Federation of Radiographer Societies (EFRS) will also host its own 'meets' session for radiographers, in conjunction with representatives of the Swedish Society of Radiographers.

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

ESR/EFRS MEETS SESSIONS

4 March Friday, March 4, 10:30-12:00, Room B

ESR meets the Nordic Countries LEVEL III

EM 1 Mammography in Nordic countries: screening and new developments

- » **Welcome by the ESR President**
L. Donoso Bach; Barcelona/ES
- » **Introduction**
H. Ståhlbrandt; Eksjö/SE
- » **Mammography screening in Denmark: implementation and results**
I. Vejborg; Copenhagen/DK
- » **Performing MRI preoperatively in all breast cancer patients in Iceland: is it worthwhile?**
M. Gardarsdottir; Reykjavik/IS
- » **Breast density, risk for breast cancer and how to personalise screening: what are the future breast imaging modalities?**
S. Zackrisson; Malmö/SE
- » **Interval cancers in population-based screening programmes**
S.R. Hoff; Aalesund/NO
- » **New developments in MRI and MR image analysis of breast cancer**
J. Hakumäki; Kuopio/FI

4 March Friday, March 4, 14:00-15:30, Room B

EFRS meets Sweden *(European Federation of Radiographer Societies)*

EM 4 The professional role of Swedish radiographers in medical imaging

- » **Introduction**
C. Vandulek; Kaposvár/HU
K. Hillergård; Jönköping/SE
- » **The Swedish radiographer as a professional**
B.T. Andersson; Lund/SE
- » **Implementation of a caring approach within the Swedish radiography programme**
M. Lundén; Gothenburg/SE
- » **Implementation of a research process and quality improvement within the Swedish radiography programme**
K. Fridell; Stockholm/SE
- » **Cultural highlights**
G. Örnberg; Umeå/SE
- » **Panel discussion**

5 March Saturday, March 5, 10:30-12:00, Room B

ESR meets Japan LEVEL II

EM 2 State-of-the-art radiology

- » **Welcome by the ESR President**
L. Donoso Bach; Barcelona/ES
- » **Introduction: Radiology today in Japan**
H. Honda; Fukuoka/JP
- » **State-of-the-art of neuroimaging**
S. Aoki; Tokyo/JP
- » **Interlude: Radiologist's intermission: refreshing photo-stream on our beautiful country (I)**
Y. Miki; Osaka/JP
- » **Advanced liver imaging: improving treatment decisions**
T. Murakami; Osaka/JP
- » **Interlude: Radiologist's intermission: refreshing photo-stream on our beautiful country (II)**
T. Taoka; Nagoya/JP
- » **Diagnostic imaging of thymic tumours**
N. Tomiyama; Osaka/JP
- » **Panel discussion: Always be a pioneer: state-of-the-art technologies from Japan**

6 March Sunday, March 6, 10:30-12:00, Room B

ESR meets Colombia LEVEL II

EM 3 From practice to reality: how we do it

- » **Welcome by the ESR President**
L. Donoso Bach; Barcelona/ES
- » **Introduction**
F.G. Lubinus; Bucaramanga/CO
- » **The law of radiology in Colombia: how we arrived to it**
R. Restrepo; Medellin/CO
- » **Interlude: The history of radiology in Colombia**
- » **Percutaneous biopsies: how do I do it?**
F. Uriza; Bogota/CO
- » **Interlude: Colombia, magical realism**
- » **Minor interventional procedures in tropical diseases**
A. Morillo; Bogota/CO
- » **Panel discussion: Minimally-invasive procedures: is there a place for the non-interventional radiologists?**

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

2
March **Wednesday, March 2, 08:30-10:00, Room O**

NH 1 New frontiers in imaging of vascular wall and plaque **LEVEL III**

- » **Chairman's introduction: How to use the tools?**
C. Loewe; Vienna/AT
- » **Molecular imaging for MR**
M.R. Makowski; Berlin/DE
- » **New insights using nuclear and hybrid imaging**
J. Knuuti; Turku/FI
- » **Ultrasound elastography: how useful can it be?**
N. Liasis; Athens/GR
- » **New options with CT**
A. Persson; Linköping/SE
- » **Panel discussion: Predictive role of imaging in the evolution of atherosclerosis: where do we stand?**

2
March **Wednesday, March 2, 16:00-17:30, Room C**

NH 4 Big data: why should radiologists care? **LEVEL III**

- » **Chairman's introduction**
M. Dewey; Berlin/DE
- » **Big data: big science**
G. Zanetti; Pula/IT
- » **Big data: big business**
B.J. Hillman; Charlottesville, VA/US
- » **Big data: what's in it for the patient?**
M.M. Hunink; Rotterdam/NL
- » **Panel discussion: How to make best use of big data?**

3
March **Thursday, March 3, 08:30-10:00, Room L8**

NH 5 Imaging beyond morphology **LEVEL III**

- » **Chairman's introduction**
O. Clément; Paris/FR
- » **MRI fingerprinting: the future?**
S. Trattnig; Vienna/AT
- » **Receptor-targeted multimodal imaging**
M. de Jong; Rotterdam/NL
- » **Radiomics**
L.S. Fournier; Paris/FR
- » **Panel discussion: Imaging biomarkers: a key role for radiologists in the future?**

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

3
March
Thursday, March 3, 08:30-10:00, Room E2

SA 5 Abdominal diffusion-weighted imaging (DWI): an update **LEVEL II**

- » **Chairman's introduction**
L. Martí-Bonmatí; Valencia/ES
- » **Technical advances: the many faces of DWI**
N. Papanikolaou; Iraklion/GR
- » **Biliary ducts and pancreas: main advantages in clinical practice**
C. Matos; Lisbon/PT
- » **Small bowel: main advantages in clinical practice**
S.A. Taylor; London/UK
- » **Panel discussion: Should we do it qualitative or quantitatively?**

5
March
Saturday, March 5, 14:00-15:30, Room E2

SA 15 Endovascular abdominal aneurysm repair (EVAR): where do we stand now? **LEVEL III**

- » **Chairman's introduction**
T. Rand; Vienna/AT
- » **Endovascular versus open surgical repair: what do we know so far?**
D.K. Tsetis; Iraklion/GR
- » **The role of imaging in preoperative planning and follow-up**
F. Rengier; Heidelberg/DE
- » **Implantation techniques and long-term results**
R. Uberoi; Oxford/UK
- » **Imaging and treatment of endoleaks**
M. Gschwendtner; Linz/AT
- » **Panel discussion: The key role of the radiologist in endovascular abdominal aortic aneurysm repair**

6
March
Sunday, March 6, 08:30-10:00, Room E1

SA 17 Emergency imaging of the pregnant patient **LEVEL III**

- » **Chairman's introduction**
R. Basilio; Chieti/IT
- » **Polytrauma: US, CT or MR**
A. Palkó; Szeged/HU
- » **Pulmonary embolism: CT or scintigraphy?**
M.-P. Revel; Paris/FR
- » **MRI and contrast media: what are the risks for the foetus?**
M. Wozniak; Lublin/PL
- » **Ionising radiation: when should we be concerned?**
J. Damiak; Iraklion/GR
- » **Panel discussion with sample cases presentation: Emergency in pregnancy: what is best for the mother and baby?**

SPECIAL FOCUS SESSIONS

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

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

Session length: 90 minutes; three to four speakers.

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

SPECIAL FOCUS SESSIONS

3
March
Thursday, March 3, 08:30-10:00, Room C
SF 5 Taking imaging to the cloud **LEVEL II**

- » **Chairman's introduction**
J. Reponen; Raahe/FI
- » **How does it work?**
J. Fernandez-Bayó; Sabadell/ES
- » **What are the benefits?**
E.R. Ranschaert; 's-Hertogenbosch/NL
- » **What are the applications of cloud in radiology?**
O. Ratib; Geneva/CH
- » **Panel discussion: Will cloud computing be the future of image storage?**

3
March
Thursday, March 3, 16:00-17:30, Room C
SF 8a Common mistakes in breast imaging **LEVEL III**

- » **Chairman's introduction**
G. Forrai; Budapest/HU
- » **Common mistakes in mammography**
E.J. Cornford; Nottingham/UK
- » **Common mistakes in second-look ultrasound after MRI**
P.A.T. Baltzer; Vienna/AT
- » **Common mistakes in breast MRI**
F. Pediconi; Rome/IT
- » **Panel discussion: How to avoid common mistakes in breast imaging?**

3
March
Thursday, March 3, 16:00-17:30, Room F2
SF 8b Assessing myocardium at-risk with MRI **LEVEL II**

- » **Chairman's introduction**
M. Gardarsdottir; Reykjavik/IS
- » **T2 imaging**
M. Gutberlet; Leipzig/DE
- » **Late gadolinium enhancement**
S. Kozerke; Zurich/CH
- » **Prognostic value of area-at-risk assessment by T2 and late enhancement imaging**
A. de Roos; Leiden/NL
- » **Panel discussion: How do we best assess at-risk myocardium and how do we best get the correct information across?**

3
March
Thursday, March 3, 16:00-17:30, Room D1
SF 8c Imaging in obesity **LEVEL III**

- » **Chairman's introduction**
S. Lee; Manchester/UK
- » **Epidemiology and current trends in obesity**
N. Finer; London/UK
- » **Fat quantification and advanced body composition assessment using MRI**
O. Dahlqvist Leinhard; Linköping/SE
- » **Imaging of modern surgical procedures and their complications**
M. Rengo; Latina/IT
- » **Is there a role for bariatric embolisation in the treatment of the obese patient?**
C. Weiss; Baltimore, MD/US
- » **Panel discussion: How best to manage obesity and its implications on the radiology department**

3
March
Thursday, March 3, 16:00-17:30, Room D2
SF 8d CT radiation dose optimisation: are we doing enough? **LEVEL II**

- » **Chairmen's introduction**
I.M. Björkman-Burtscher; Lund/SE
C. Malamateniou; London/UK
- » **CT radiation dose optimisation: what has been achieved so far?**
J. Santos; Coimbra/PT
- » **Dose reduction techniques in paediatric CT: from A to Z**
E. Sorantin; Graz/AT
- » **Challenges and opportunities in CT dose optimisation: what can we do in the future?**
S.J. Foley; Dublin/IE
- » **Panel discussion: What are the suggested priorities and actions for CT dose optimisation?**

SPECIAL FOCUS SESSIONS

4
March

Friday, March 4, 08:30-10:00, Room F2

**SF 9a Breast density:
how not to be confused? LEVEL II**

- » **Chairman's introduction**
E. Azavedo; Stockholm/SE
- » **The mammographic dense breast**
F.J. Gilbert; Cambridge/UK
- » **The ultrasound dense breast**
L.J. Pina Insausti; Pamplona/ES
- » **The MRI dense breast**
P.A.T. Baltzer; Vienna/AT
- » **Panel discussion: How to overcome the dense breast in screening?**

4
March

Friday, March 4, 08:30-10:00, Room M 3

**SF 9b Imaging in the presence
of orthopaedic hardware LEVEL II**

- » **Chairman's introduction**
M. Zanetti; Zurich/CH
- » **Optimising CT for imaging metalwork**
M.-A. Weber; Heidelberg/DE
- » **What problems do metalwork cause for MRI and how can we solve them?**
J.V. Dehem; Ypres/BE
- » **Imaging prosthetic joint infection: traditionally problematic, but do we have the answers now?**
F. Kainberger; Vienna/AT
- » **Panel discussion: What is the imaging modality of choice after plain films in the presence of orthopaedic hardware?**

4
March

Friday, March 4, 08:30-10:00, Room E2

**SF 9c Brain hypersignals after repeated
gadolinium administrations LEVEL II**

- » **Chairman's introduction**
V. Runge; Berne/CH
- » **Chemistry of Gd chelates and fundamentals in toxicity**
S. Aime; Turin/IT
- » **Recent literature review**
A. Radbruch; Heidelberg/DE
- » **Hypersignals in the brain: which clinical impact**
T. Yousry; London/UK
- » **Recent FDA and EMA undertakings in the matter**
O. Clément; Paris/FR
- » **Panel discussion: Gadolinium injections: should we change our practice?**

5
March

Saturday, March 5, 08:30-10:00, Room Z

SF 13a MR/PET: role in oncology LEVEL III

- » **Chairman's introduction**
G. Cook; London/UK
- » **Principles and possibilities of MR/PET**
A. Kjaer; Copenhagen/DK
- » **MR/PET: imaging head and neck cancer**
S. Bisdas; London/UK
- » **MR/PET: imaging prostate cancer**
A.J. Beer; Ulm/DE
- » **MR/PET: imaging of GI cancer**
V.J. Goh; London/UK
- » **Panel discussion: Which clinical indications have enough evidence for routine MR/PET rather than PET/CT?**

5
March

Saturday, March 5, 08:30-10:00, Room E1

**SF 13b Cholangiocarcinoma:
an update LEVEL II**

- » **Chairman's introduction**
R. Manfredi; Verona/IT
- » **Classification of cholangiocellular carcinoma (CCC)**
C. Cantwell; Dublin/IE
- » **Imaging in mass-forming intrahepatic (IH) type**
F. Caseiro-Alves; Coimbra/PT
- » **Diagnostic assessment of periductal/infiltrating and intraductal-growing types: the view of the diagnostic radiologist**
R. Kloeckner; Mainz/DE
- » **Diagnostic assessment of periductal/infiltrating and intraductal-growing types: the view of the interventional radiologist**
S. Terraz; Geneva/CH
- » **Therapeutic role of interventional radiology in unresectable patients**
G. Carrafiello; Varese/IT
- » **Panel discussion: Can we improve diagnosis and treatment of cholangiocarcinoma?**

5
March

Saturday, March 5, 08:30-10:00, Room E2

**SF 13c Non-alcoholic fatty liver disease
(NAFLD) LEVEL III**

- » **Chairman's introduction: Defining the clinical problem**
C. Bartolozzi; Pisa/IT
- » **Imaging in diagnosing and quantifying liver fat**
V. Vilgrain; Clichy/FR
- » **Imaging in diagnosing and staging liver fibrosis**
L. Martí-Bonmatí; Valencia/ES
- » **Early detection of HCC**
T. Denecke; Berlin/DE
- » **Panel discussion: How to manage the surveillance of the population at risk**

SPECIAL FOCUS SESSIONS

5
March
Saturday, March 5, 08:30-10:00, Room D1

SF 13d Severe trauma patients: myths, realities and future **LEVEL II**

- » **Chairman's introduction**
M. Stajgis; Poznan/PL
- » **'When time is gold': whole-body CT in polytrauma patients**
S. Wirth; Munich/DE
- » **Where is the proper place for fast FAST (focused assessment with sonography for trauma)?**
H. Alkadhi; Zurich/CH
- » **Missed lesions in trauma patients: the Damocles' sword**
R. Basilio; Chieti/IT
- » **Geriatric trauma: what is different?**
E. Dick; London/UK
- » **Panel discussion: How is the role of the radiologist changing in the management of trauma patients?**

5
March
Saturday, March 5, 14:00-15:30, Room B

SF 15 Head and neck radiology: from symptoms to diagnosis **LEVEL II**

- » **Chairman's introduction**
B. Verbist; Leiden/NL
- » **Tinnitus**
M.M. Lemmerling; Ghent/BE
- » **Stuffy and runny nose**
S. Colley; Birmingham/UK
- » **Sore throat**
D. Farina; Brescia/IT
- » **Lumps of the infrahyoid neck**
M.G. Mack; Munich/DE
- » **Panel discussion: To what extent do symptoms guide your imaging approach and interpretation?**

5
March
Saturday, March 5, 16:00-17:30, Room E2

SF 16 Prostate MRI: increasing need? **LEVEL III**

- » **Chairman's introduction**
J.C. Vilanova; Girona/ES
- » **MRI before the first prostate biopsy: has the time come?**
B. Hamm; Berlin/DE
- » **The role of prostate MRI in active surveillance**
A.R. Padhani; London/UK
- » **Is prostate MRI accurate enough for focal treatment planning?**
V. Panebianco; Rome/IT
- » **Panel discussion: Does the use of MRI improve the outcome in prostate cancer?**

6
March
Sunday, March 6, 08:30-10:00, Room E2

SF 17a Neuro imaging in paediatrics **LEVEL III**

- » **Chairman's introduction**
A. Rossi; Genoa/IT
- » **Imaging of metabolic disorders in children**
B. Ertl-Wagner; Munich/DE
- » **Imaging in paediatric epilepsy**
T.A.G.M. Huisman; Baltimore, MD/US
- » **Imaging headache in children**
E. Vázquez; Barcelona/ES
- » **Panel discussion: Can we do without CT in paediatric neuroimaging?**

6
March
Sunday, March 6, 08:30-10:00, Room D1

SF 17b Actionable pulmonary nodules: should we rely on size only? **LEVEL II**

- » **Chairman's introduction**
L. Bonomo; Rome/IT
- » **Limitations of nodule measurements**
A.R. Larici; Rome/IT
- » **Shape and density: predictors of subtypes and mutations in NSCLC?**
O.L. Sedlacek; Heidelberg/DE
- » **Proliferation tracers and not only**
R. Boellaard; Amsterdam/NL
- » **How necessary is clinical data?**
A.A. Bankier; Boston, MA/US
- » **Panel discussion: How to define an actionable nodule in daily practice?**

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

3 March **Thursday, March 3, 08:30-10:00, Studio 2016**

PC 5 Personalised radiology: myth or reality? LEVEL II

- » **Chairman's introduction**
C.J. Herold; Vienna/AT
- » **Personalised imaging in practice: a myth?**
F.J. Gilbert; Cambridge/UK
- » **Personalised imaging and standardised protocols: a contradiction?**
S.O. Schönberg; Mannheim/DE
- » **En route to personalised imaging: the role of multidisciplinary conferences**
J.A. Verschakelen; Leuven/BE
- » **From personalised to precision imaging: impact on clinical practise**
G.P. Krestin; Rotterdam/NL
- » **Panel discussion: How to enhance personalised radiology in clinical routine**

3 March **Thursday, March 3, 16:00-17:30, Studio 2016**

PC 8a Clinical decision support (CDS) LEVEL II

- » **Chairman's introduction**
L. Donoso Bach; Barcelona/ES
- » **What is a clinical decision support system?**
F. Sardanelli; San Donato Milanese/IT
- » **Imaging referral guidelines in Europe**
M.G.M. Hunink; Rotterdam/NL
- » **An effective clinical decision support system**
G. Boland; Boston, MA/US
- » **Cost-effectiveness of clinical decision support**
P. Mildenerger; Mainz/DE
- » **Panel discussion: Is CDS really adding value to healthcare in addition to radiation safety?**



This session is part of the EuroSafe Imaging campaign.

3 March **Thursday, March 3, 16:00-17:30, Room F1**

PC 8b An introduction to European Imaging Biomarkers Alliance (EIBALL) LEVEL III

- » **Chairman's introduction**
P.M. Parizel; Antwerp/BE
- » **EIBALL and its mission**
S. Trattinig; Vienna/AT
- » **The potential role of EIBALL for EORTC multicentre trials**
Y. Liu; Brussels/BE
- » **The organisational role of EIBIR in EIBALL**
V. Vilgrain; Clichy/FR
- » **Imaging biomarker development for EIBALL by subspecialty societies**
K. Nikolaou; Tübingen/DE
- » **Panel discussion: What is the role of EIBALL now and in the future?**

4 March **Friday, March 4, 08:30-10:00, Studio 2016**

PC 9a Biobanks meet imaging LEVEL III

- Moderators:** E. Neri; Pisa/IT
M. Pasterk; Graz/AT
- » **How does Biobanking and BioMolecular resource Research Infrastructur - European Research Infrastructure Consortium (BBMRI-ERIC) work?**
J.-E. Litton; Graz/AT
 - » **Patient rights: data overprotection?**
M.T. Mayrhofer; Graz/AT
 - » **What is the difference between a PACS and a clinical bank of radiological images?**
A. van der Lugt; Rotterdam/NL
 - » **Population-based cohort biobanks: accessing large European prospective cohorts through the biobanking infrastructure BBMRI - large prospective cohorts (LPC)**
O. Törnwall; Graz/AT
 - » **Population-based cohort: image banks**
F. Bamberg; Tübingen/DE
 - » **What are ontologies?**
B. Gibaud; Rennes/FR

4 March **Friday, March 4, 08:30-10:00, Room E1**

PC 9b Radiology ten years from now: where will it be? LEVEL II

- » **Chairman's introduction**
C.D. Becker; Geneva/CH
- » **Expanding radiology with new multidisciplinary competencies**
J.A. Reekers; Amsterdam/NL
- » **Potential synergies between radiology and pathology**
R.H. Oyen; Leuven/BE
- » **The beauty of general radiology**
G.H. Mostbeck; Vienna/AT
- » **Panel discussion: What are the leadership challenges for the next decade?**

PROFESSIONAL CHALLENGES SESSIONS

4
March

Friday, March 4, 16:00–17:30, Room F2

PC 12a Comprehensive cardiothoracic radiology: the way to go?

LEVEL II

- » **Chairman's introduction: A perspective from both worlds: cardiac and thoracic imaging**
E.J.R. van Beek; Edinburgh/UK
- » **Challenges and opportunities**
A. de Roos; Leiden/NL
- » **Perspectives from thoracic imaging**
M. Rémy-Jardin; Lille/FR
- » **Perspectives from cardiac imaging**
J. Bremerich; Basle/CH
- » **Panel discussion: How to best increase our impact on this interdisciplinary field?**

4
March

Friday, March 4, 16:00–17:30, Room M 5

PC 12b How to become the undergraduate teacher you always wanted to be

ALL LEVELS

- » **Chairmen's introduction**
S.J. Golding; Oxford/UK
M. Maas; Amsterdam/NL
- » **The undergraduate curriculum: how to get the balance right**
B. Ertl-Wagner; Munich/DE
- » **Teaching methods' top tips: how you can capture and maintain your students' attention**
C. Nyhsen; Sunderland/UK
- » **Online resources: how to find the best case material and tutorials for your medical students**
P. Pokieser; Vienna/AT
- » **Using social media for undergraduate education: this generation's communication**
N. Pyatigorskaya; Paris/FR
- » **Panel discussion: Teaching the undergraduate: in what ways is this similar to teaching radiology to other groups and in what ways does it differ?**

6
March

Sunday, March 6, 08:30–10:00, Room O

PC 17 European variation in imaging: focus on technology

LEVEL II

- » **Chairman's introduction**
G. Frija; Paris/FR
- » **PACS and eHealth**
D. Caramella; Pisa/IT
- » **Reporting and communication**
O. Ratib; Geneva/CH
- » **Procedure codes and lexica in radiology for supporting workflow improvements**
P. Mildemberger; Mainz/DE
- » **Equipment and innovation**
B. Brkljačić; Zagreb/HR
- » **Panel discussion: What is the European vision on imaging technology?**

6
March

Sunday, March 6, 10:30–12:00, Room O

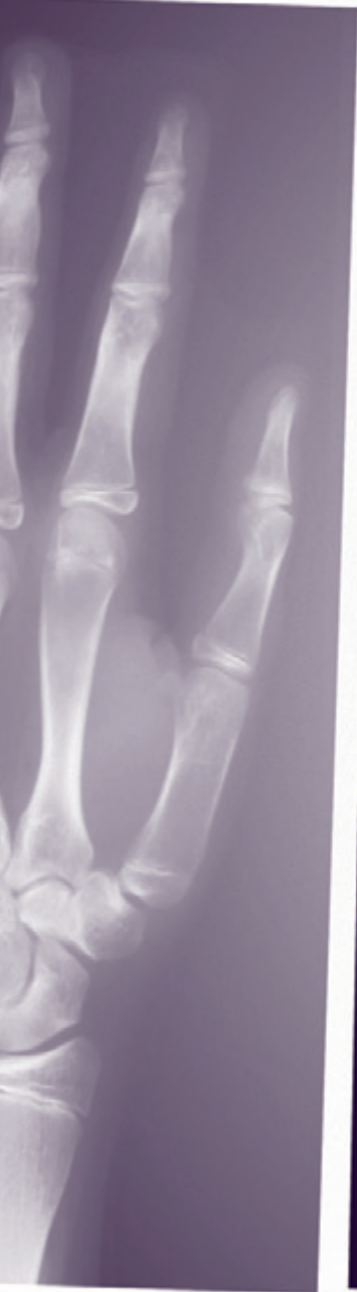
PC 18 Monitoring safety and quality

LEVEL II

- » **Chairmen's introduction**
G. Frija; Paris/FR
A. Torresin; Milan/IT
- » **Experience of total management of quality and safety**
L. Oleaga Zufiria; Barcelona/ES
- » **Dose monitoring systems in CT**
D. Caramella; Pisa/IT
- » **Experience from a group of imaging centres**
A. Palkó; Szeged/HU
- » **Dose monitoring systems in interventional radiology**
A. England; Salford/UK
- » **Panel discussion: What are the bottlenecks in safety and quality management?**

This session is part of the EuroSafe Imaging campaign.

= Interactive session with electronic voting/self assessment



Insights into Imaging

Education and strategies in European radiology



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OF RADIOLOGY

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MULTIDISCIPLINARY SESSIONS

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

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

MULTIDISCIPLINARY SESSIONS

3
March
Thursday, March 3, 16:00–17:30, Room E2

MS 8 Pancreatic cancer: radiological diagnosis and treatment **LEVEL II**

- » **Chairman's introduction**
L. Grenacher; Munich/DE
- » **Surgical oncological management**
J. Werner; Munich/DE
- » **Medical oncological management**
D. Jäger; Heidelberg/DE
- » **Radiology oncological management**
L. Grenacher; Munich/DE
- » **Radiation oncological management**
F. Sterzing; Heidelberg/DE
- » **Multidisciplinary case presentation and discussion**

5
March
Saturday, March 5, 16:00–17:30, Studio 2016

MS 16a Uterine myomas: radiological diagnosis and treatment **LEVEL II**

- » **Chairman's introduction**
A.-M. Belli; London/UK
- » **Imaging of fibroids**
R. Das; London/UK
- » **Epidemiology, clinical presentation and non radiological therapeutic options for the treatment of fibroids**
I. Manyonda; London/UK
- » **Radiological treatments for fibroids**
A.-M. Belli; London/UK
- » **Multidisciplinary case discussion**

5
March
Saturday, March 5, 16:00–17:30, Room E1

MS 16b Sports injuries: diagnosis and management **LEVEL II**

- » **Chairman's introduction**
M. Padrón; Madrid/ES
- » **What does the radiologist offer?**
C. Faletti; Turin/IT
- » **How I face a sport injury: the sport physician's approach**
J.-M. Alonso; Doha/QA
- » **The physiotherapist's view**
A. Zerolo; Madrid/ES
- » **The surgeon's perspective**
M. Leyes; Madrid/ES
- » **Multidisciplinary case presentation and discussion: Which practice help and which hinder the team approach to managing the injured athlete? How can we improve on this?**

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.

For the second time at ECR 2016, the E³ programme is structured according to the different levels defined by the European Training Curriculum for Radiology.

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

Rising Stars Programme

European Diploma Prep Sessions

The Beauty of Basic Knowledge

ECR Academies

ECR Master Classes

Activities 2016

Visiting Schools
Visiting Seminars
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ESOR EUROPEAN SOCIETY
OF RADIOLOGY

E³ RISING STARS PROGRAMME

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

It consists of Basic Sessions, Student Sessions, Student Hands-on Workshops on Ultrasound, Case-Based Diagnosis Training sessions, and the Radiology Trainees Forum Programme including the RTF Highlighted Lectures and the RTF Quiz.



EBR

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E³ – RISING STARS PROGRAMME

BASIC SESSIONS

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

3
March

Thursday, March 3, 08:30-10:00, Room K

**Basic Session 1:
Neuroradiology: brain**

- » **White matter disorders**
A. Rovira-Cañellas; Barcelona/ES
- » **Tumours**
J. Walecki; Warsaw/PL
- » **Stroke**
E.T. Tali; Ankara/TR

3
March

Thursday, March 3, 10:30-12:00, Room K

**Basic Session 2:
Head and neck imaging**

- » **Orbit**
P.C. Maly Sundgren; Lund/SE
- » **Ear**
B. Verbist; Leiden/NL
- » **Sinuses**
R. Maroldi; Brescia/IT

4
March

Friday, March 4, 16:00-17:30, Room K

**Basic Session 3:
Interventional radiology: tumour ablation**

- » **Kidney**
K. Katsanos; London/UK
- » **Liver**
L. Crocetti; Pisa/IT
- » **Bones**
A. Gangi; Strasbourg/FR

5
March

Saturday, March 5, 08:30-10:00, Room K

**Basic Session 4:
Musculoskeletal: trauma**

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

5
March

Saturday, March 5, 10:30-12:00, Room K

**Basic Session 5:
Neuroradiology: spine**

- » **Anatomy and congenital disorders**
A. Rossi; Genoa/IT
- » **Tumours**
M.M. Thurnher; Vienna/AT
- » **Degenerative disease of the spine**
M. Sasiadek; Wroclaw/PL

6
March

Sunday, March 6, 08:30-10:00, Room K

**Basic Session 6:
Thoracic emergencies**

- » **Vascular**
R. Morgan; London/UK
- » **Pulmonary**
C.M. Schaefer-Prokop; Amersfoort/NL
- » **Cardiac**
C. Loewe; Vienna/AT

E³ – RISING STARS PROGRAMME

STUDENT SESSIONS

Students will present their work

3
March

Thursday, March 3, 14:00–15:30, Room L8

Student Session 1:

Breast

- » **Magnetic resonance spectroscopy and its potential to identify neoadjuvant chemotherapy non-responders in triple negative breast cancer patients**
M.A. Chiorean; Cluj-Napoca/RO
- » **What's lurking in the corner? Extra-mammary findings on breast MRI, frequency and relevance**
R. Hayden; Dublin/IE
- » **The challenge of breast imaging in young: when to proceed to biopsy?**
A. Hatw; Cairo/EG
- » **Results of quality control of three digital breast tomosynthesis systems in the clinical environment**
A. Rodriguez Ruiz; Madrid/ES
- » **Incidentally detected enhancing lesions found in preoperative breast MRI: analysis of apparent diffusion coefficient and T2 signal intensity significantly improves classification accuracy**
O.H. Arponen; Kuopio/FI
- » **Background parenchymal enhancement and breast density on preoperative breast MRI: correlation with tumour characteristics and size estimation**
M. Pizzato; Turin/IT
- » **Is a one-year follow-up an efficient method for better management of MRI BI-RADS® 3 lesions?**
C. Ziadé; Bordeaux/FR
- » **Stereotactic vacuum-assisted breast biopsy: comparison between 11- and 8-gauge needles**
I. Ruggirello; Florence/IT

3
March

Thursday, March 3, 16:00–17:30, Room L8

Student Session 2:

Neuro

- » **Altered brain activation in cortical-subcortical and pyramidal white matter stroke patients during hand motion: functional MRI study**
O. Omelchenko; Kyiv/UA
- » **Diffusion tensor imaging as a potential biomarker in prognosticating neurocognitive outcome in mild traumatic brain injury: evidence of altered structural connectivity**
V. Veeramuthu; Kuala Lumpur/MY
- » **Diagnostic accuracy of MR imaging techniques for treatment response assessment in patients with high grade glioma: a systematic review and meta-analysis**
B.R.J. van Dijken; Winsum/NL
- » **Osseous pseudoprogession in vertebral bodies treated with stereotactic radiosurgery**
C. Beaman; TX/US
- » **CSF flow quantification by MRI: a diagnostic tool in normal pressure hydrocephalus**
J. Shanks; Uppsala/SE
- » **Alcohol consumption during adolescence is associated with reduced volumes of anterior cingulate cortex and insula**
N. Heikkinen; Kuopio/FI
- » **Cerebellum enlargement in 4-6-month-old infants at high familial risk of autism spectrum disorders**
I. Pote; London/UK
- » **Do genetic effects really influence frequent anatomic variations of intra- and extracranial arteries?**
B. Forgo; Budapest/HU

STUDENT SESSIONS

*Students will present their work***4**
March**Friday, March 4, 08:30–10:00, Room L8****Student Session 3:
Abdominal and Gastrointestinal**

- » **Abdominal tumours beyond the classical framework**
A.S. Yancheva; Varna/BG
- » **Multiparametric magnetic resonance in the assessment of the normal pancreas**
N. Gennaro; Perugia/IT
- » **Age dependence of spleen- and muscle-corrected hepatic signal enhancement on hepatobiliary phase gadoxetate MRI**
S. Matoori; Zurich/CH
- » **Detection of appendicitis using 99mTc-antigranulocyte antibodies**
J. Petrovic; Belgrade/RS
- » **Transarterial drug-eluting beads chemoembolization for patients with liver tumours, single center experience**
R. Skumbriņš; Riga/LV
- » **Diffusion-weighted MRI in rectal cancer: apparent diffusion coefficient for discriminating recurrence from scar-tissue**
S. Grosu; Freiburg/DE
- » **Measurement of interstitial volume to assess abdominal organ amyloid burden using quantitative equilibrium contrast enhanced CT**
S. Sivarajan; London/UK
- » **Measuring two target lesions: how representative are selected target lesions of all liver metastases?**
F.O. Hofmann; Munich/DE

4
March**Friday, March 4, 10:30–12:00, Room L8****Student Session 4:
Student Projects**

- » **Flipping our learning: a blended story about alternative methods to improve study skills among medical students**
T.I. Adam; Cluj-Napoca/RO
- » **Sharing my passion for neuroradiology through a workshop for medical students interested in neurosurgery**
S. Abu Arif; Cluj-Napoca/RO
- » **A new educational project in Radiology: the concept of cross-sectional knowledge**
F. Serpi; Milan/IT
- » **Involving medical students in the Breast Unit: a university project aiming healthcare quality and educational achievements**
M. Morellá; Murcia/ES
- » **Beyond images: a radiology educational platform for medical students**
M. Saftencu; Cluj-Napoca/RO
- » **The H.E.A.R.T. Project: a students' approach on providing support for personal and professional development of European medical students**
S. Curcean; Agnita/RO
- » **A review of thyroid sonographic features and international guidelines: ability to differentiate benign and malignant nodules**
A. Weir; Limerick/IE
- » **Internship dissertation: comparative study of integrative neural networks implemented in modal and tonal auditory stimulation of brain with functional MRI of activation and diffusion tensor**
J.-B. Billaud; Villejuif/FR

5
March**Saturday, March 5, 14:00–15:30, Room L8****Student Final Session***Programme to be announced*

E³ – RISING STARS PROGRAMMESTUDENT HANDS-ON
WORKSHOPS ON ULTRASOUND

An expert team of tutors from around the world will lead students through three innovative workshops with different educational topics. During one workshop, students will try four different stations, giving participants a chance to familiarise themselves with the wide range of possibilities in ultrasound. Small groups, of only five students, will be guided by one expert tutor, ensuring that individual students get the attention they need. The courses have been extremely successful over the last few years and are in great demand.

4
March **Friday, March 4, 13:30-15:30**
Hands-on Workshop on Ultrasound 1

5
March **Saturday, March 5, 12:00-14:00**
Hands-on Workshop on Ultrasound 2

5
March **Saturday, March 5, 15:00-17:00**
Hands-on Workshop on Ultrasound 3

RADIOLOGY TRAINEES
FORUM PROGRAMME

3
March **Thursday, March 3, 12:30-13:30, Room Z**
RTF Quiz

Moderator: J. Cáceres; Barcelona/ES

5
March **Saturday, March 5, 10:30-12:00, Room O**
RTF Highlighted Lectures **LEVEL I**

Moderators: M. Basta-Nikolic; Novi Sad/RS
D. Berritto; Naples/IT

- » **Imaging of prostate cancer**
S. Stojanovic; Novi Sad/RS
- » **Rectal cancer: tips for a better staging**
L. Curvo-Semedo; Coimbra/PT
- » **Intestinal ischaemia: key points for the radiologist**
R. Grassi; Naples/IT

CASE-BASED DIAGNOSIS TRAINING

Special programme for residents and general radiologists

6
March **Sunday, March 6, 13:00-14:00, Room E1** 
CBDT I Case-Based Diagnosis Training - Part I **LEVEL I**

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

- » **Liver**
L. Martí-Bonmatí; Valencia/ES
- » **Neuro**
D. Prayer; Vienna/AT
- » **Maxillofacial**
S. Robinson; Vienna/AT
- » **Musculoskeletal**
F. Kainberger; Vienna/AT
- » **Breast**
M.H. Fuchsjäger; Graz/AT

6
March **Sunday, March 6, 14:00-14:30, Room E1**
Interlude: Know your calcifications! **LEVEL I**

W. Drahanowsky; Vienna/AT
S. Robinson; Vienna/AT

6
March **Sunday, March 6, 14:30-15:30, Room E1** 
CBDT II Case-Based Diagnosis Training - Part II **LEVEL I**

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



= Interactive session with electronic voting/self assessment

E³ EUROPEAN DIPLOMA PREP SESSIONS

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 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 SESSIONS5
March

Saturday, March 5, 08:30–10:00, Room F1

E³ 1323 Cardiac and vascular

LEVEL I

- » **Chairman's introduction**
R. Vliegenthart; Groningen/NL
- A. Cardiovascular imaging: the basics**
M. Gutberlet; Leipzig/DE
- B. Cardiovascular imaging: valves, endocardium and aorta**
C. Loewe; Vienna/AT
- C. Cardiovascular imaging: myocardium and pericardium**
J. Bogaert; Leuven/BE

5
March

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

E³ 1423 Head and neck

LEVEL I

- » **Chairman's introduction**
M.G. Mack; Munich/DE
- A. Temporal bone and skull base**
A. Trojanowska; Lublin/PL
- B. Nose, paranasal sinuses and nasopharynx**
C. Czerny; Vienna/AT
- C. Oral cavity, oro- and hypopharynx and larynx**
M. Becker; Geneva/CH

5
March

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

E³ 1523 Gynaecological and obstetrics

LEVEL I

- » **Chairman's introduction**
C.D. Alt; Düsseldorf/DE
- A. Imaging of the uterus**
R.A. Kubik-Huch; Baden/CH
- B. Disorders of the adnexa**
E. Sala; New York, NY/US
- C. Fundamentals of foetal imaging**
D. Prayer; Vienna/AT

5
March

Saturday, March 5, 16:00–17:30, Room F1

E³ 1623 Interventional

LEVEL I

- » **Chairman's introduction**
M. Szczerbo-Trojanowska; Lublin/PL
- A. Basic principles of angiography and image-guided interventions**
T.K. Helmberger; Munich/DE
- B. Interventions of the hepatobiliary system**
J.I. Bilbao; Pamplona/ES
- C. Vascular interventions**
J.A. Reekers; Amsterdam/NL

6
March

Sunday, March 6, 10:30–12:00, Room F1

E³ 1823 Paediatric

LEVEL I

- » **Chairman's introduction**
V. Donoghue; Dublin/IE
- A. Paediatric neuro imaging**
M.I. Argyropoulou; Ioannina/GR
- B. Paediatric chest imaging**
C. Owens; London/UK
- C. Paediatric abdominal imaging**
S.G.F. Robben; Maastricht/NL

6
March

Sunday, March 6, 14:00–15:30, Room F1

E³ 1923 Urogenital

LEVEL I

- » **Chairman's introduction**
D. Akata; Ankara/TR
- A. Renal and adrenal imaging**
L.E. Derchi; Genoa/IT
- B. Imaging of the ureter and bladder**
J.-M. Correas; Paris/FR
- C. Prostate imaging**
H.C. Thoeny; Berne/CH

E³

THE BEAUTY OF BASIC KNOWLEDGE

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

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

The content of the sessions is mostly tied to the Level I 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 of basic topics in imaging and image-guided therapy.

E³ – THE BEAUTY OF BASIC KNOWLEDGE

BREAST IMAGING

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

Moderator: J. Camps Herrero; Valencia/ES

2
March **Wednesday, March 2, 12:30-13:30, Room B**

E³ 24A Breast ultrasound: a primer **LEVEL I**

A. Tardivon; Paris/FR

3
March **Thursday, March 3, 12:30-13:30, Room B**

E³ 24B Cracking the mystery of needles and gauges **LEVEL I**

R.M. Pijnappel; Utrecht/NL

4
March **Friday, March 4, 12:30-13:30, Room B**

E³ 24C Breast cancer staging: why and how **LEVEL II**

K. Kinkel; Chêne-Bougeries/CH

5
March **Saturday, March 5, 12:30-13:30, Room B**

E³ 24D Ductal carcinoma in situ (DCIS): small tumour but big problem **LEVEL II**

G. Forrai; Budapest/HU

6
March **Sunday, March 6, 12:30-13:30, Room B**

E³ 24E High-risk lesions: solving the dilemma **LEVEL II**

A. Linda; Udine/IT

CHEST IMAGING

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

Moderator: N. Howarth; Chêne-Bougeries/CH

2
March **Wednesday, March 2, 12:30-13:30, Room D1**

E³ 25A Useful signs in chest radiology **LEVEL I**

A. Lung parenchyma

G.R. Ferretti; Grenoble/FR

B. Mediastinum and chest wall

J. Cáceres; Barcelona/ES

3
March **Thursday, March 3, 12:30-13:30, Room D1**

E³ 25B How to avoid misdiagnosis on the chest x-ray **LEVEL I**

A. Neoplastic lesions

J. Vlahos; London/UK

B. Non neoplastic lesions

A.R. Larici; Rome/IT

4
March **Friday, March 4, 12:30-13:30, Room D1**

E³ 25C Reporting chest radiology made easy **LEVEL I**

A. Interstitial lung disease: 5 golden rules

S.R. Desai; London/UK

B. Pleural disease

C. Beigelman; Lausanne/CH

5
March **Saturday, March 5, 12:30-13:30, Room D1**

E³ 25D Measurements in chest radiology **LEVEL I**

A. Heart and great vessels: how, why, when?

G. Fassa-Ashrafpoor; Chêne-Bougeries/CH

B. Lung nodules: is volume better than size?

M. Prokop; Nijmegen/NL

6
March **Sunday, March 6, 12:30-13:30, Room D1**

E³ 25E Dose optimisation made easy in computed tomography of the chest **LEVEL I**

A. Dose descriptors

D. Tack; Baudour/BE

B. CT angiography and CT of lung disease

X. Montet; Geneva/CH

E³ ECR ACADEMIES

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

MODERN IMAGING IN COLORECTAL CANCER

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

4 March **Friday, March 4, 16:00-17:30, Room C**

E³ 1218 Rectal cancer: update on organ saving treatments **LEVEL III**

Moderator: L.K. Blomqvist; Stockholm/SE

A. The surgical perspective

G.L. Beets; Amsterdam/NL

B. The oncological perspective

V. Valentini; Rome/IT

C. The radiological perspective

R.G.H. Beets-Tan; Amsterdam/NL

5 March **Saturday, March 5, 08:30-10:00, Room C**

E³ 1318 Colon cancer: staging and restaging of local disease **LEVEL II**

Moderator: P. Lefere; Roeselare/BE

A. Computed tomography for staging

E. Rollven; Stockholm/SE

B. Imaging for restaging after neoadjuvant treatment

M. Maas; Maastricht/NL

C. Assessment of vasculature prior to laparoscopic resection

A. Laghi; Latina/IT

5 March **Saturday, March 5, 14:00-15:30, Room C**

E³ 1518 Colorectal cancer: synchronous and metachronous metastases **LEVEL III**

Moderator: T.K. Helmberger; Munich/DE

A. Clinical management: what needs to be improved?

T. Holm; Stockholm/SE

B. Optimal diagnostic algorithm

A. Ba-Ssalamah; Vienna/AT

C. PET/CT vs MR/PET: which and when?

P. Veit-Haibach; Zurich/CH

5 March **Saturday, March 5, 16:00-17:30, Room C**

E³ 1618 Rectal cancer: staging and restaging local disease **LEVEL II**

Moderator: D.-M. Koh; Sutton/UK

A. Transrectal ultrasonography

J.E.R. Waage; Hillerød/DK

B. Emerging MR-techniques

D.M. Lambregts; Amsterdam/NL

C. Multiparametric assessment of treatment response

N. Papanikolaou; Iraklion/GR

NEURORADIOLOGY: FROM MORPHOLOGY TO FUNCTION

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

2 March **Wednesday, March 2, 16:00-17:30, Room G**

E³ 419 Functional MRI of the brain opens new horizons **LEVEL III**

» **Chairman's introduction**

T.A. Yousry; London/UK

A. No function without structure: challenges in diffusion MRI and fiber tractography for clinical research

A. Leemans; Utrecht/NL

B. Clinical utility of fMRI for pre-operative brain mapping

H. Urbach; Freiburg/DE

C. Introduction to resting state fMRI and functional connectomics

L. Nyberg; Umea/SE

3 March **Thursday, March 3, 08:30-10:00, Room G**

E³ 519 Advanced imaging techniques in brain tumours **LEVEL III**

» **Chairman's introduction**

P.C. Maly Sundgren; Lund/SE

A. Clinical utility of perfusion imaging for differentiating brain tumours

I.N. Pronin; Moscow/RU

B. Hybrid imaging with MRI/PET of brain tumours

N.L. Albert; Munich/DE

C. Assessment of brain tumour perfusion and abnormal vascular structure using arterial spin-labelling

P. Hales; London/UK

3 March **Thursday, March 3, 16:00-17:30, Room G**

E³ 819 Cerebral blood flow quantification **LEVEL III**

» **Chairman's introduction**

N.N.

A. Functional imaging of cerebral perfusion

A. Krainik; Grenoble/FR

B. Cerebral blood flow measurements with arterial spin-labelling

X. Golay; London/UK

C. Cerebrovascular reserve imaging and the consequences of neurovascular uncoupling

D. Mikulis; Toronto, ON/CA

4 March **Friday, March 4, 08:30-10:00, Room G**

E³ 919 Functional imaging of the spine **LEVEL III**

» **Chairman's introduction**

M. Muto; Naples/IT

A. Measuring CSF flow: technique and clinical usefulness

B. Ertl-Wagner; Munich/DE

B. Diffusion tensor imaging of the spinal cord in the assessment of intramedullary changes

M. Sasiadek; Wroclaw/PL

C. Functional and quantitative MRI of symptomatic stenoses of the lumbar spine

K. Eberhardt; Werneck/DE

MODERN CARDIAC IMAGING

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

4
March

Friday, March 4, 08:30–10:00, Room N

E³ 920 How to quantify the haemodynamic significance of coronary stenosis **LEVEL II**

Moderator: C. Loewe; Vienna/AT

A. CT-angiography: new tools (TAFE, TAG, CT-FFR)

G. Pontone; Milan/IT

B. Myocardial perfusion: what can be done with MR and CT

R. Vliegenhart; Groningen/NL

C. New players on the field: SPECT/CT, PET/CT, MR/PET

S.G. Nekolla; Munich/DE

4
March

Friday, March 4, 16:00–17:30, Room N

E³ 1220 Essentials of modern imaging in cardiac diseases **LEVEL II**

Moderator: G.I. Kirova-Nedialkova; Sofia/BG

A. Major challenges in diagnostic imaging of cardiac diseases

M. Oudkerk; Groningen/NL

B. Backbone of cardiac imaging: CT and MRI

M. Gutberlet; Leipzig/DE

C. Hybrid systems for cardiac applications: essentials

J. Knuuti; Turku/FI

5
March

Saturday, March 5, 14:00–15:30, Room N

E³ 1520 Myocardial characterisation: established modalities vs new ones **LEVEL III**

Moderator: J. Bremerich; Basle/CH

A. Hybrid systems in the assessment of myocardial perfusion and viability

D.V. Ryzhkova; St. Petersburg/RU

B. T1 and T2-mapping: new items in the radiology toolbox

P. Croisille; Saint-Etienne/FR

C. Cardiac spectroscopy: is it ready for clinical practice?

M. Beer; Ulm/DE

5
March

Saturday, March 5, 16:00–17:30, Room N

E³ 1620 Cardiac imaging: to new horizons **LEVEL III**

Moderator: E. Mousseaux; Paris/FR

A. New approaches for coronary atherosclerotic plaque characterisation

E.J.R. van Beek; Edinburgh/UK

B. imaging of microvascular disease

R. Manka; Zurich/CH

C. Tracking of stem cells in cardiac repair: role of MR and hybrid imaging

L. Natale; Rome/IT

E³ – ECR ACADEMIES

DIAGNOSTIC UROGENITAL RADIOLOGY

The programme will be concluded with a self-assessment test, published on 'ESR Education on Demand'.

3 March **Thursday, March 3, 08:30-10:00, Room M 5** 

E³ 522 Retroperitoneum and adrenals **LEVEL II**

Moderator: J. Venancio; Lisbon/PT

A. Anatomy and imaging techniques of the retroperitoneum

F.M. Danza; Rome/IT

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

3 March **Thursday, March 3, 16:00-17:30, Room M 5** 

E³ 822 Upper and lower urinary tract **LEVEL II**

Moderator: V. Logager; Copenhagen/DK

A. CTU and MRU of the upper urinary tract

N.C. Cowan; Portsmouth/UK

B. Imaging of kidney and ureter

M.A. Cova; Trieste/IT

C. Imaging of bladder and urethra

J. Lopes Dias; Lisbon/PT

3 March **Thursday, March 3, 10:30-12:00, Room M 5** 

E³ 622 Kidney **LEVEL II**

Moderator: H.C. Thoeny; Berne/CH

A. Differential diagnoses of cystic renal masses

M. Claudon; Vandoeuvre-les-Nancy/FR

B. Differential diagnoses of solid renal masses

R.H. Oyen; Leuven/BE

C. Acute and chronic renal infection

N. Grenier; Bordeaux/FR

4 March **Friday, March 4, 08:30-10:00, Room M 5** 

E³ 922 Gynaecology **LEVEL II**

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

3 March **Thursday, March 3, 14:00-15:30, Room M 5** 

E³ 722 Emergencies **LEVEL III**

Moderator: M.M. Otero-García; Vigo/ES

A. Male pelvis emergencies

M. Bertolotto; Trieste/IT

B. Gynaecological emergencies

R.A. Kubik-Huch; Baden/CH

C. Imaging of obstetric and puerperal emergencies

M. Weston; Leeds/UK

4 March **Friday, March 4, 10:30-12:00, Room M 5** 

E³ 1022 Prostate **LEVEL II**

Moderator: J.J. Fütterer; Nijmegen/NL

A. Ultrasound of the prostate

T. Fischer; Berlin/DE

B. Multiparametric MRI of the prostate

G.M. Villeirs; Gent/BE

C. Staging of prostate cancer

A.R. Padhani; London/UK

 = Interactive session with electronic voting/self assessment

INTERACTIVE TEACHING SESSIONS

2
March

Wednesday, March 2, 08:30-10:00, Room A

**E³ 121 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

G. Madani; London/UK

2
March

Wednesday, March 2, 10:30-12:00, Room A

**E³ 221 Unexpected findings
on brain MRI** **LEVEL II**

A. Large ventricles: normal or abnormal?

S. Langner; Greifswald/DE

B. Incidental lesions on a brain MRI

E.T. Tali; Ankara/TR

3
March

Thursday, March 3, 08:30-10:00, Room A

**E³ 521 Integrating diagnostic tools
in breast imaging** **LEVEL II**

A. Multimodality breast imaging

K. Kinkel; Chêne-Bougeries/CH

B. Multiparametric breast MRI

J. Camps Herrero; Valencia/ES

3
March

Thursday, March 3, 10:30-12:00, Room A

**E³ 621 Cardiac CT: from stenosis assessment
to risk stratification** **LEVEL III**

A. CT in stable chest pain

R. Marano; Rome/IT

B. Cardiac CT in the emergency room

G. Feuchtnner; Innsbruck/AT

3
March

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

E³ 721 Cardiac imaging **LEVEL III**

A. Patterns of delayed enhancement

P. Hunold; Lübeck/DE

B. Cardiomyopathies: from diagnosis to prognosis

A. Jacquier; Marseille/FR

3
March

Thursday, March 3, 16:00-17:30, Room A

**E³ 821 Evaluation of patients
with lung emphysema** **LEVEL II**

A. Pretherapeutic evaluation of lung emphysema

C.P. Heussel; Heidelberg/DE

**B. Diagnostic work-up after treatment of lung
emphysema**

N. Sverzellati; Parma/IT

4
March

Friday, March 4, 08:30-10:00, Room A

**E³ 921 Diagnostic evaluation
of bone tumours** **LEVEL II**

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

4
March

Friday, March 4, 10:30-12:00, Room A

E³ 1021 Emergency radiology I **LEVEL II**

A. Abdominal vascular emergencies

A. Palkó; Szeged/HU

B. Chest trauma

J.D. Dodd; Dublin/IE

4
March

Friday, March 4, 16:00-17:30, Room A

**E³ 1221 Use of staging and
classification systems** **LEVEL II**

A. RECIST 1.1 training

A. Graser; Munich/DE

B. Gastrointestinal-abdominal masses

A. Ba-Ssalamah; Vienna/AT



= Interactive session with electronic voting/self assessment

E³ – ECR ACADEMIES

INTERACTIVE TEACHING SESSIONS

5 March **Saturday, March 5, 08:30-10:00, Room A** 

E³ 1321 MR imaging in sports medicine I **LEVEL II**

A. Muscle injury in sports

M.G. Mack; Munich/DE

B. Knee trauma

M.O. De Maeseneer; Brussels/BE

5 March **Saturday, March 5, 10:30-12:00, Room A** 

E³ 1421 Skull base lesions **LEVEL II**

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

5 March **Saturday, March 5, 14:00-15:30, Room A** 

E³ 1521 Genitourinary and gastrointestinal radiology **LEVEL II**

A. Prostate MRI using PI-RADS

H.C. Thoeny; Berne/CH

B. New aspects of renal tumours

N. Grenier; Bordeaux/FR

5 March **Saturday, March 5, 16:00-17:30, Room A** 

E³ 1621 Emergency radiology II **LEVEL II**

A. Brain trauma

M. Smits; Rotterdam/NL

B. Peripheral vascular injury

J. Ferda; Plzen/CZ

6 March **Sunday, March 6, 08:30-10:00, Room A** 

E³ 1721 MR imaging in sports medicine II **LEVEL II**

A. Sports injuries of the ankle

P. Robinson; Leeds/UK

B. Shoulder injury

M. Zanetti; Zurich/CH

 = Interactive session with electronic voting/self assessment

E³ ECR MASTER CLASSES

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

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

E³ – ECR MASTER CLASSES

2 March **Wednesday, March 2, 08:30–10:00, Room M 5** 

Cardiac**LEVEL III****E³ 126 Cardiac CT and new interventions**

» **Chairman's introduction**
A. Jankauskas; Kaunas/LT

A. CT before and after transcatheter aortic valve interventions (TAVI)
J.-N. Dacher; Rouen/FR

B. CT before and after transcatheter mitral valve interventions (TMVI)
P. Blanke; Vancouver, BC/CA

C. CT before and after electrophysiology interventions
R. Salgado; Antwerp/BE

» **Discussion:**
How can CT best facilitate cardiac interventions?

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

Abdominal and Gastrointestinal**LEVEL III****E³ 426a A tour around cholangiopathies**

» **Chairman's introduction**
C. Matos; Lisbon/PT

A. Clinical scenarios
M. Arvanitaki; Brussels/BE

B. Which imaging modalities?
J.M. Lee; Seoul/KR

C. Treatment: which and when
E. Jonas; Stockholm/SE

» **Multidisciplinary panel discussion**

2 March **Wednesday, March 2, 16:00–17:30, Room K**

Genitourinary**LEVEL III****E³ 426b MR-targeted focal therapies for prostate cancer**

» **Chairman's introduction:**
the rationale for focal therapy
F. Cornud; Paris/FR

A. The role of multiparametric MR in the planning phase of focal therapy
V. Panebianco; Rome/IT

B. MR-targeted high intensity focused ultrasound
M.C. Roethke; Heidelberg/DE

C. MR-guided cryoablation and focal laser therapy
J.J. Fütterer; Nijmegen/NL

D. MR-targeted intensity-modulated radiotherapy with focal boost
V. Fonteyne; Gent/BE

» **Panel discussion:**
What are the challenges in providing focal treatment in prostate cancer?

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

Molecular Imaging**LEVEL III****E³ 526 Perfusion imaging**

» **Chairman's introduction**
X. Montet; Geneva/CH

A. Perfusion imaging: how I do it - by CT and/or by MRI?
C.C. Cyran; Munich/DE

B. Liver perfusion
V.J. Goh; London/UK

C. Lung perfusion
M. Rémy-Jardin; Lille/FR

D. Cerebral perfusion
H.R. Jäger; London/UK

» **Panel discussion:**
The pros and cons of perfusion imaging

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

Vascular**LEVEL III****E³ 1226a Interventional radiology for deep venous thrombosis (DVT): ready for prime time?**

Moderator: J.I. Bilbao; Pamplona/ES

A. Imaging of DVT
P. Haage; Wuppertal/DE

B. Dec clotting in the emergency room: why not?
R. de Graaf; Maastricht/NL

C. Filter indications 2016: new oral anticoagulants and other developments
M.J. Lee; Dublin/IE

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

Paediatric**LEVEL III****E³ 1226b Expanding horizons in paediatric imaging**

Moderator: S. Franchi-Abella; Le Kremlin-Bicêtre/FR

A. Elastography in paediatrics
M. Anooshiravani-Dumont; Geneva/CH

B. Diffusion-weighted imaging: toy or solution?
P.D. Humphries; London/UK

C. Contrast-enhanced ultrasound in children
D. Kljucsek; Ljubljana/SI

 = Interactive session with electronic voting/self assessment

E³ – ECR MASTER CLASSES4
March

Friday, March 4, 16:00–17:30, Room M 4

Emergency Radiology

LEVEL III

E³ 1226c Whole body CT in trauma patients**Moderator:** H. Alkadhi; Zurich/CH**A. Improving the triage: which patients should undergo whole-body CT (WBCT)?**

D.R. Kool; Nijmegen/NL

B. How can we improve our WBCT protocol?

B. Leidner; Ekerö/SE

C. Optimising the value of radiologists in trauma care

K.H. Nieboer; Brussels/BE

5
March

Saturday, March 5, 14:00–15:30, Room O

Interventional Radiology

LEVEL III

E³ 1526 Fire and ice outside the liver» **Chairman's introduction**

M. Bezzi; Rome/IT

A. Lung ablation: update and level of evidence

W. Prevoo; Amsterdam/NL

B. Renal ablation: update and level of evidence

C.M. Sommer; Heidelberg/DE

C. Bone and soft tissues ablation: update and level of evidence

A. Gangji; Strasbourg/FR

» **Panel discussion:****How to strengthen the role of ablation beyond the liver in everyday clinical practice and how to prove the value of what we do**5
March

Saturday, March 5, 16:00–17:30, Room D1

Chest

LEVEL III

E³ 1626 Less common infiltrative lung diseases**Moderator:** M. Regier; Hamburg/DE**A. Pleuroparenchymal fibro elastosis**

A. Devaraj; London/UK

B. Alveolar proteinosis

W.F.M. De Wever; Leuven/BE

C. Lymphangioleiomyomatosis

A. Oikonomou; Toronto, ON/CA

6
March

Sunday, March 6, 08:30–10:00, Room N

Head and Neck

LEVEL III

E³ 1726a Characterisation of salivary gland masses**Moderator:** A. Trojanowska; Lublin/PL**A. Ultrasound**

C.Z. Karaman; Aydin/TR

B. CT, MR/PET and PET/CT

N.J.M. Freling; Amsterdam/NL

C. MRI diffusion and perfusion

S. Espinoza-Boireau; Paris/FR

6
March

Sunday, March 6, 08:30–10:00, Room F1

Oncologic Imaging

LEVEL III

E³ 1726b Personalised medicine in oncology: what can imaging offer?**Moderator:** R.G.H. Beets-Tan; Amsterdam/NL**A. Personalised medicine in oncology: hope or reality?**

E.E. Voest; Amsterdam/NL

B. Radiogenomics: can this assist personalised medicine?

V.J. Goh; London/UK

C. Hybrid MRI/PET: the next step in personalised cancer care?

A. Kjaer; Copenhagen/DK

» **Panel discussion:****Can imaging facilitate a personalised medicine approach in oncology?**6
March

Sunday, March 6, 08:30–10:00, Room F2

Breast

LEVEL III

E³ 1726c Challenging questions for breast imaging in 2016: breast density, how to solve the non-mass enigma, new developments in breast MRI**Moderator:** R.M. Mann; Nijmegen/NL**A. Breast density: what the breast radiologist needs to know**

S.J. Vinnicombe; Dundee/UK

B. How can we manage the non-mass breast (enigma) pattern?

F. Pediconi; Rome/IT

C. New developments in breast MRI

L. Umutlu; Essen/DE

E³ – ECR MASTER CLASSES

6
March

Sunday, March 6, 08:30–10:00, Room G

Neuro

LEVEL III

E³ 1726d Imaging in dementia

Moderator: D. van Westen; Lund/SE

A. The neurochemistry of the Alzheimer's continuum

S. Engelborghs; Antwerp/BE

B. MR contribution to diagnosis and differential diagnosis

F. Barkhof; London/UK, Amsterdam/NL

C. PET imaging in dementia

K. Herholz; Manchester/UK

6
March

Sunday, March 6, 10:30–12:00, Room A



Musculoskeletal

LEVEL III

E³ 1826 MSK and intervention

» Chairman's introduction

A. Gangi; Strasbourg/FR

A. How to biopsy soft tissue and bone tumours

G.K.O. Åström; Uppsala/SE

B. Lower back pain: what can I do?

D.J. Wilson; Oxford/UK

C. Injectables - steroids and platelet-rich plasma (PRP): how and when?

M.J.C.M. Rutten; 's-Hertogenbosch/NL

D. Painful solitary bone lesions: what is the most appropriate approach?

F. Arrigoni; L'Aquila/IT

 = 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

3
March
Thursday, March 3, 08:30-10:00, Room M 4 
MC 528 Abdominal emergencies **LEVEL II**

Moderators: A. Palkó; Szeged/HU
R.J. Zagoria; San Francisco, CA/US

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

3
March
Thursday, March 3, 14:00-15:30, Room M 4 
MC 728 CNS emergencies **LEVEL II**

Moderators: A. Palkó; Szeged/HU
R.J. Zagoria; San Francisco, CA/US

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

3
March
Thursday, March 3, 10:30-12:00, Room M 4 
MC 628 Chest emergencies **LEVEL II**

Moderators: A. Palkó; Szeged/HU
R.J. Zagoria; San Francisco, CA/US

A. Thoracic injuries

J.A. Soto; Boston, MA/US

B. Non-traumatic thoracic emergencies

C.M. Schaefer-Prokop; Amersfoort/NL

C. Interactive case discussion

J.A. Soto; Boston, MA/US
C.M. Schaefer-Prokop; Amersfoort/NL

3
March
Thursday, March 3, 16:00-17:30, Room M 4 
MC 828 General principles: paediatric and ENT emergencies **LEVEL II**

Moderators: A. Palkó; Szeged/HU
R.J. Zagoria; San Francisco, CA/US

A. Imaging of polytrauma patients

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:
'Risks and benefits of reporting incidental findings'
The session will be split into one interactive and
one non-interactive part.

2
March

Wednesday, March 2, 16:00-17:30, Room M 5



**PS 427 Risks and benefits of
reporting incidental findings**

LEVEL II

Moderator: S. Weckbach; Heidelberg/DE

Teaser: J. Sellors; London/UK

A. Good reasons to ignore incidental findings

L. Berlin; Skokie, IL/US

B. Good reasons to report incidental findings

A. van der Lugt; Rotterdam/NL

» Questions and answers

S. Weckbach; Heidelberg/DE

J. Sellors; London/UK

THE VOICE OF EPOS AT ECR 2016

PICK UP THE MICROPHONE
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For the first time, all poster presenters at ECR 2016 will have the chance to take the stage and present their posters in person to an international audience.

Presentations will take place hourly in our new **EPOS™ Arena** and will also be broadcast online via the **ECR Live** streaming service.

There will be sessions for organ-based topics as well as sessions grouped by language, giving you a chance to present in your mother tongue!



2
March

Wednesday, March 2

- 10:00–11:00 **Abdominal/GI**
Moderator: Michael Torkzad; Milford/UK
- 11:00–12:00 **Breast**
Moderator: Luis Javier Pina Insausti; Pamplona/ES
- 12:00–13:00 **Italian**
Moderator: Irene Bargellini; Pisa/IT
- 13:00–14:00 **Cardiac**
Moderator: Angel Alberich-Bayarri; Valencia/ES
- 14:00–15:00 **French**
Moderator: Stephanie Nougaret; St. Clement de Riviere/FR
- 15:00–16:00 **Arabic**
Moderator: Tarek El-Diasty; Mansoura/EG
- 16:00–17:00 **Chest**
Moderator: Michael Toepker; Vienna/AT

3
March

Thursday, March 3

- 09:00–10:00 **Head and Neck**
Moderator: Emel Ada; Izmir/TR
- 10:00–11:00 **Emergency**
Moderator: Stephanie Nougaret; St. Clement de Riviere/FR
- 11:00–12:00 **Genitourinary**
Moderator: Nelson Caserta; Campinas/BR
- 12:00–13:00 **Chinese**
Moderator: Vincent Chong; Singapore/SG
- 13:00–14:00 **Oncology**
Moderator: Oishi Tanaka; Tsukuba/JP
- 14:00–15:00 **Nordic/Swedish**
Moderator: Michael Torkzad; Milford/UK
- 15:00–16:00 **Russian**
Moderator: Irina Arkhipova; Moscow/RU
- 16:00–17:00 **Abdominal/GI**
Moderator: Irina Arkhipova; Moscow/RU

4
March

Friday, March 4

- 09:00–10:00 **Head and Neck**
Moderator: Kunwar Bhatia; Hong Kong/HK
- 10:00–11:00 **Interventional**
Moderator: Irene Bargellini; Pisa/IT
- 11:00–12:00 **Musculoskeletal**
Moderator: Eva Llopis; Alzira-Valencia/ES
- 12:00–13:00 **Turkish**
Moderator: Cem Calli; Izmir/TR
- 13:00–14:00 **Neuro**
Moderator: Emel Ada; Izmir/TR
- 14:00–15:00 **Spanish**
Moderator: Angel Alberich-Bayarri; Valencia/ES
- 15:00–16:00 **Japanese**
Moderator: Yumiko Oishi Tanaka; Tsukuba/JP
- 16:00–17:00 **Genitourinary**
Moderator: Valdair Francisco Muglia; Ribeirao Preto/BR

5
March

Saturday, March 5

- 09:00–10:00 **Neuro**
Moderator: Cem Calli; Izmir/TR
- 10:00–11:00 **Breast**
Moderator: Eduardo Fleury; Sao Paulo/BR
- 11:00–12:00 **Paediatric**
Moderator: Maria Argyropoulou; Ioannina/GR
- 12:00–13:00 **German**
Moderator: Stefan Delorme; Heidelberg/DE
- 13:00–14:00 **Musculoskeletal**
Moderator: Ali Guermazi; Boston/US
- 14:00–15:00 **Korean**
Moderator: Jin Mo Goo; Seoul/KR
- 15:00–16:00 **Portuguese**
Moderator: Valdair Francisco Muglia; Ribeirao Preto/BR
- 16:00–17:00 **Interventional**
Moderator: Antonio Basile; Catania/IT

6
March

Sunday, March 6

- 09:00–10:00 **Vascular**
Moderator: Antonio Basile; Catania/IT
- 10:00–11:00 **Oncology**
Moderator: Stefan Delorme; Heidelberg/DE
- 11:00–12:00 **Cardiac**
Moderator: Elena Mershina; Moscow/RU
- 12:00–13:00 **Chest**
Moderator: Michael Toepker; Vienna/AT

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SIX BASIC SESSIONS

Renowned professors from all over Europe give basic lectures.

STUDENT SESSIONS

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

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.

The authors of the best scientific papers will be presented with a certificate and given free ECR 2017 registration.

The award will be assigned to the best paper presentation of each topic based on the evaluation by session moderators and subcommittee members. Selection criteria comprise quality of presentation, scientific content and overall impression of the performance. The award winners will be informed after the congress and will be published on the ESR website.

REFRESHER COURSES / SCIENTIFIC SESSIONS

Abdominal and Gastrointestinal

2
March **Wednesday, March 2, 08:30-10:00, Room B**

RC 101 Assessing inflammation and fibrosis in Crohn's disease **LEVEL III**

- » **Chairman's introduction**
A. Laghi; Latina/IT
- A. Is sonography (CEUS and elastography) the right tool?**
E. Quaia; Trieste/IT
- B. Is there space for MDCT (spectral imaging, iodine map)?**
J. Podgorska; Warsaw/PL
- C. Will MRI (DWI and perfusion) solve the problem?**
S.A. Taylor; London/UK
- » **Panel discussion: How do I approach a case in my routine clinical practice?**

2
March **Wednesday, March 2, 10:30-12:00, Room B**

SS 201a Pancreas and bile ducts

Moderators: B.I. Choi; Seoul/KR
G. Zamboni; Verona/IT

2
March **Wednesday, March 2, 10:30-12:00, Room O**

SS 201b A guided tour through the GI tract

Moderators: K. Skrobisz-Balandowska; Gdansk/PL
B.E. Van Beers; Clichy/FR

2
March **Wednesday, March 2, 14:00-15:30, Room B**

SS 301a Liver metastases: detection, characterisation and treatment response assessment

Moderators: E. Kasatkina; Moscow/RU
A.M. Riddell; London/UK

2
March **Wednesday, March 2, 14:00-15:30, Room O**

SS 301b Colon

Moderators: R. Maksimović; Belgrade/RS
T. Mang; Vienna/AT

3
March **Thursday, March 3, 08:30-10:00, Room B**

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

- » **Chairman's introduction**
M. Karcaaltincaba; Ankara/TR
- A. Vascular**
F. Caseiro-Alves; Coimbra/PT
- B. Cystic-Biliary**
G. Brancatelli; Palermo/IT
- C. Hepatocellular**
R.L. Baron; Chicago, IL/US
- » **Panel discussion: How do I manage an incidental and potentially benign liver lesion?**

3
March **Thursday, March 3, 10:30-12:00, Room B**

SS 601a Chronic liver disease and primary liver tumours

Moderators: D.E. Malone; Dublin/IE
P. Rodriguez; Madrid/ES

3
March **Thursday, March 3, 10:30-12:00, Room O**

SS 601b Multimodality imaging of Crohn's disease

Moderators: S. Gourtsoyianni; London/UK
C. Hoeffel; Reims/FR

3
March **Thursday, March 3, 14:00-15:30, Room B**

SS 701a Functional imaging of liver and spleen

Moderators: P. Leander; Malmö/SE
A. Wibmer; Vienna/AT

3
March **Thursday, March 3, 14:00-15:30, Room O**

SS 701b Advanced imaging of the oesophagus and stomach

Moderators: O. Ekberg; Malmö/SE
M.A. Mazzei; Siena/IT

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

SS 701c Advances in CT

Moderators: E. Akchurina; Moscow/RU
H. Ringl; Vienna/AT



REFRESHER COURSES / SCIENTIFIC SESSIONS

Abdominal and Gastrointestinal

3
March**Thursday, March 3, 16:00-17:30, Room B****RC 801 CT colonography today** **LEVEL II**

- » **Chairman's introduction**
M. Hellström; Gothenburg/SE
- A. How I perform it**
P. Lefere; Roeselare/BE
- B. How I interpret it**
T. Mang; Vienna/AT
- C. Screening with CTC**
D. Regge; Turin/IT
- » **Panel discussion: Challenging cases from clinical practice**

4
March**Friday, March 4, 08:30-10:00, Room B****RC 901 Hepatocellular tumours** **LEVEL III**

- » **Chairman's introduction**
C. Bartolozzi; Pisa/IT
- A. The revised adenoma classification**
C.J. Zech; Basle/CH
- B. HCC staging: what is new in imaging and can predict prognosis**
C. Ayuso; Barcelona/ES
- C. Equivocal nodules in cirrhotic patient: how to solve the puzzle**
Y. Menu; Paris/FR
- » **Panel discussion: Impact of imaging on classification and differentiation of hepatocellular lesions**

4
March**Friday, March 4, 10:30-12:00, Room O****SS 1001a Rectal cancer: staging and restaging**

Moderators: L. Curvo-Semedo; Coimbra/PT
A. Plumb; London/UK

4
March**Friday, March 4, 10:30-12:00, Room F2****SS 1001b Hepatocellular carcinoma: evaluation of therapeutic response**

Moderators: D. Akata; Ankara/TR
L. Crocetti; Pisa/IT

5
March**Saturday, March 5, 08:30-10:00, Room B****RC 1301 IgG4-related disease: what is it and what do I need to know?** **LEVEL III**

- » **Chairman's introduction**
S.A. Jackson; Plymouth/UK
- A. Pancreatic manifestations**
R. Pozzi-Mucelli; Verona/IT
- B. Hepatobiliary manifestations**
M. Ronot; Clichy/FR
- C. Systemic manifestations**
G. Morana; Treviso/IT
- » **Panel discussion: Tips and tricks in clinical practice**

5
March**Saturday, March 5, 10:30-12:00, Room F2****SS 1401 Advances in abdominal MRI**

Moderators: H. Sartor; Malmö/SE
A.J. van der Molen; Leiden/NL

5
March**Saturday, March 5, 14:00-15:30, Room M 2****SS 1501 Liver fibrosis: imaging assessment**

Moderators: F. Caseiro-Alves; Coimbra/PT
S.K. Venkatesh; Rochester, MN/US

5
March**Saturday, March 5, 16:00-17:30, Room B****RC 1601 The spleen: the forgotten organ** **LEVEL II**

- » **Chairman's introduction**
L.H. Ros Mendoza; Zaragoza/ES
- A. Acute and chronic splenic disease**
G. Zamboni; Verona/IT
- B. The incidental splenic lesion**
M. Laniado; Dresden/DE
- C. Malignant lesions**
S. Gourtsoyianni; London/UK
- » **Panel discussion: How to manage incidental findings in clinical routine practice**

6
March**Sunday, March 6, 08:30-10:00, Room B****RC 1701 Differential diagnosis in pancreatic imaging** **LEVEL III**

- » **Chairman's introduction**
B. Marincek; Cleveland, OH/US
- 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?**

6
March**Sunday, March 6, 14:00-15:30, Room B****SS 1901a Benign and malignant pancreatic diseases**

Moderators: J.M. Lee; Seoul/KR
M. Spirovski; Sremska Kamenica/RS

6
March**Sunday, March 6, 14:00-15:30, Room O****SS 1901b Abdominal surgery: the added value of radiology**

Moderators: I. Dudás; Budapest/HU
D. Vorwerk; Ingolstadt/DE

REFRESHER COURSES / SCIENTIFIC SESSIONS

Breast

2
March
Wednesday, March 2, 08:30-10:00, Room F2

RC 102 Breast ultrasound 2016 **LEVEL III**

Moderator: A. Athanasiou; Athens/GR

A. Evidence for screening in dense breasts

V. Girardi; Brescia/IT

B. Elastasonography: true advances or false hope?

C.S. Balleyguier; Villejuif/FR

C. Nodal staging of breast cancer: still needed?

F. Kilburn-Toppin; Cambridge/UK

2
March
Wednesday, March 2, 10:30-12:00, Room C

SS 202 Breast biopsy

Moderators: S. Allen; Sutton/UK
H.M. Dobson; Glasgow/UK

2
March
Wednesday, March 2, 14:00-15:30, Room C

SS 302 Breast innovation, biomarkers

Moderators: C.S. Balleyguier; Villejuif/FR
M.H. Fuchsjäger; Graz/AT

2
March
Wednesday, March 2, 16:00-17:30, Room F2

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

» **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. The breast radiologist sitting down with the pathologist

T. Tot; Falun/SE

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

3
March
Thursday, March 3, 10:30-12:00, Room C

SS 602a Breast MRI: new sequences and applications

Moderators: A. Sever; Maidstone/UK
I. Thomassin-Naggara; Paris/FR

3
March
Thursday, March 3, 10:30-12:00, Room D1

SS 602b Breast ultrasound

Moderators: B. Brkljačić; Zagreb/HR
A. Domingo; Tarragona/ES

3
March
Thursday, March 3, 14:00-15:30, Room C

SS 702 Breast MRI-DWI (1)

Moderators: F. Pediconi; Rome/IT
F. Thibault; Paris/FR

4
March
Friday, March 4, 10:30-12:00, Room C

SS 1002 Breast MRI-DWI (2) and various MRI applications

Moderators: M. Di Matteo; Rome/IT
N.N.

5
March
Saturday, March 5, 08:30-10:00, Room F2

RC 1302 Tailoring breast cancer screening to risk level **LEVEL III**

Moderator: R.M. Pijnappel; Utrecht/NL

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. Sardaneli; San Donato Milanese/IT

5
March
Saturday, March 5, 10:30-12:00, Room C

SS 1402a Screening

Moderators: S. Perez Rodrigo; Madrid/ES
R.M. Pijnappel; Utrecht/NL

5
March
Saturday, March 5, 10:30-12:00, Room M 5

SS 1402b Contrast-spectral mammography and MRI update in background parenchymal enhancement

Moderators: M. Bernathova; Vienna/AT
L.J. Pina Insausti; Pamplona/ES

5
March
Saturday, March 5, 14:00-15:30, Room F2

RC 1502 Update on BI-RADS **LEVEL II**

Moderator: G. Esen; Istanbul/TR

A. Mammography

U. Bick; Berlin/DE

B. Ultrasound

A. Evans; Dundee/UK

C. MRI

M.H. Fuchsjäger; Graz/AT

REFRESHER COURSES / SCIENTIFIC SESSIONS

Breast

Cardiac

5
March
Saturday, March 5, 14:00-15:30, Room M 5

SS 1502 Breast density: an update

Moderators: R. Schulz-Wendtland; Erlangen/DE
N.N.

5
March
Saturday, March 5, 16:00-17:30, Room F2

**RC 1602 Tomosynthesis:
the new mammography** **LEVEL II**

Moderator: D. Bernardi; Trento/IT

A. Should we abandon 2D mammography?

S. Zackrisson; Malmö/SE

**B. Clinical validation and results in the last 5 years:
where do we stand?**

P. Skaane; Oslo/NO

C. The future of mammography: my predictions

E.M. Fallenberg; Berlin/DE

6
March
Sunday, March 6, 10:30-12:00, Room C

SS 1802 Digital breast tomosynthesis: an update

Moderators: T. Knogler; Vienna/AT
A. Selim; Cairo/EG

6
March
Sunday, March 6, 14:00-15:30, Room A

SS 1902a Multiparametric breast MRI, PET

Moderators: E.M. Fallenberg; Berlin/DE
G. Forrai; Budapest/HU

6
March
Sunday, March 6, 14:00-15:30, Room C

**SS 1902b Preoperative imaging, neoadjuvant
chemotherapy, imaging of the axilla**

Moderators: C. Dromain; Villejuif/FR
P. Panizza; Milan/IT

2
March
Wednesday, March 2, 10:30-12:00, Room N

SS 203a Cardiomyopathies (1)

Moderators: F. Bamberg; Tübingen/DE
R. Dore; Pavia/IT

2
March
Wednesday, March 2, 10:30-12:00, Room M 3

SS 203b The evolving role of cardiac CT

Moderators: F. Cademartiri; Rotterdam/NL
G. Feuchtner; Innsbruck/AT

2
March
Wednesday, March 2, 14:00-15:30, Room N

SS 303a Cardiomyopathies (2)

Moderators: J. Broncano; Cordoba/ES
A. de Roos; Leiden/NL

2
March
Wednesday, March 2, 14:00-15:30, Room M 3

SS 303b CT perfusion

Moderators: R. Fischbach; Hamburg/DE
M. Francone; Rome/IT

2
March
Wednesday, March 2, 16:00-17:30, Room M 2

**RC 403 Imaging of cardiac valves:
new trends** **LEVEL III**

Moderator: G. Roditi; Glasgow/UK

A. Echocardiography remains the reference technique

F. Knebel; Berlin/DE

B. MRI is the best comprehensive approach

M. Francone; Rome/IT

C. Does CT have a role in diagnosing valvular disease?

G. Feuchtner; Innsbruck/AT

3
March
Thursday, March 3, 08:30-10:00, Room M 2

**RC 503 Novel ways to assess
myocardial tissue** **LEVEL III**

Moderator: M. Urbanczyk-Zawadzka; Krakow/PL

A. T1 mapping: technical considerations

M.R. Makowski; Berlin/DE

B. T2 mapping: technical considerations

C. Tessa; Lido di Camaiore/IT

C. Clinical use of T1 and T2 mapping

A. de Roos; Leiden/NL

3
March
Thursday, March 3, 10:30-12:00, Room N

SS 603 Evolving techniques

Moderators: A.J.B.S. Madureira; Porto/PT
M. Meyer; Mannheim/DE

REFRESHER COURSES / SCIENTIFIC SESSIONS

Cardiac

3
March
Thursday, March 3, 14:00-15:30, Room M 3
SS 703 Epidemiology, prognosis and trials

Moderators: C. Colantoni; Milan/IT
K. Gruszczynska; Katowice/PL

3
March
Thursday, March 3, 16:00-17:30, Room M 2
RC 803 Imaging of heart failure **LEVEL III**

- » **Chairman's introduction**
C. Loewe; Vienna/AT
- 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 indisputable gold standard?**
T. Leiner; Utrecht/NL
- C. SPECT as an alternative imaging technique**
F. Caobelli; Hannover/DE
- » **Panel discussion: What is the preferred comprehensive imaging test in heart failure?**

4
March
Friday, March 4, 10:30-12:00, Room N
SS 1003 CT of the coronary arteries

Moderators: D. Brisbois; Liège/BE
J.M. Kerl; Darmstadt/DE

5
March
Saturday, March 5, 14:00-15:30, Room M 1
SS 1503 Interventional applications

Moderators: D. Maintz; Cologne/DE
E. Pershina; Moscow/RU

6
March
Sunday, March 6, 10:30-12:00, Room N
SS 1803 MR (1)

Moderators: O. Larina; Moscow/RU
K. Pagonidis; Iraklion/GR

6
March
Sunday, March 6, 14:00-15:30, Room N
SS 1903 MR (2)

Moderators: A. Esposito; Milan/IT
C. Herzog; Munich/DE

Chest

2
March
Wednesday, March 2, 08:30-10:00, Room D1
RC 104 Pneumonia **LEVEL II**

- » **Chairman's introduction**
I.E. Tyurin; Moscow/RU
- A. Community-acquired pneumonia**
I. Hartmann; Rotterdam/NL
- B. Tuberculosis**
E. Castañer; Sabadell/ES
- C. Fungal pneumonia in immunocompromised hosts**
J. Mayer; Heidelberg/DE
- » **Panel discussion: What is the role of radiologists in the diagnosis and management of lung infections?**

2
March
Wednesday, March 2, 10:30-12:00, Room D1
SS 204 Pulmonary vessels and perfusion

Moderators: E.E.J.G. Coche; Brussels/BE
N.N.

2
March
Wednesday, March 2, 14:00-15:30, Room D1
SS 304 Lung MRI

Moderators: P. Ciet; Rotterdam/NL
F. Gleeson; Oxford/UK

2
March
Wednesday, March 2, 16:00-17:30, Room D1
RC 404 Pulmonary embolism - persistent controversies **LEVEL II**

- » **Chairman's introduction**
M. Rémy-Jardin; Lille/FR
- A. Subsegmental PE, incidental PE: diagnosis and management**
C.M. Schaefer-Prokop; Amersfoort/NL
- B. CT not available, contraindicated, or inconclusive: what to do?**
E.J.R. van Beek; Edinburgh/UK
- C. Can we predict outcome from imaging?**
B. Ghaye; Brussels/BE
- » **Panel discussion: How to optimise patient management?**

REFRESHER COURSES / SCIENTIFIC SESSIONS

Chest

3
March**Thursday, March 3, 08:30-10:00, Room D1****RC 504 HRCT - patterns in chest radiology:
back to basics and beyond** **LEVEL II**

- » **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. Ground glass opacities (GGO) and consolidation**
J. Vogel-Claussen; Hannover/DE
- » **Panel discussion: Is it always easy to detect
a pattern? Tips for success**

3
March**Thursday, March 3, 10:30-12:00, Room M 3****SS 604 Spectral CT, advanced CT analysis and
emphysema****Moderators:** F. Molinari; Lille/FR
M. Silva; Parma/IT3
March**Thursday, March 3, 14:00-15:30, Room D1****SS 704 Lung cancer****Moderators:** G. Aviram; Tel Aviv/IL
E. Jon; Vitoria/ES4
March**Friday, March 4, 08:30-10:00, Room D1****RC 904 Low dose and no-dose chest imaging:
opportunities and limitations** **LEVEL II****Moderator:** A.P. Parkar; Bergen/NO

- A. Low-dose CT**
O. Buckley; Dublin/IE
- B. MRI**
J. Dinkel; Munich/DE
- C. US**
F. Gleeson; Oxford/UK

4
March**Friday, March 4, 10:30-12:00, Room D1****SS 1004 Imaging methods:
something old, something new****Moderators:** J. Mayer; Heidelberg/DE
E.J. Stern; Seattle, WA/US4
March**Friday, March 4, 16:00-17:30, Room D1****RC 1204 Occupational lung diseases:
the known and the less known** **LEVEL III**

- » **Chairman's introduction**
N. Karabulut; Denizli/TR
- A. Silicosis and coal workers' pneumoconiosis**
K. Marten-Engelke; Göttingen/DE
- B. Asbestos-related disease**
S.J. Copley; London/UK
- C. Hypersensitivity pneumonitis**
P.-Y. Brillet; Bobigny/FR
- » **Panel discussion: What are the key findings for
diagnosing occupational lung diseases?**

5
March**Saturday, March 5, 10:30-12:00, Room D1****SS 1404 Chest CT dose reduction****Moderators:** T. Henzler; Mannheim/DE
D. Tack; Baudour/BE5
March**Saturday, March 5, 14:00-15:30, Room D1****RC 1504 Mediastinal disease revisited** **LEVEL II****Moderator:** A. Persson; Linköping/SE

- A. The crucial role of chest x-ray:
mediastinal lines and stripes**
E.E.J.G. Coche; Brussels/BE
- B. Mediastinal masses: role of CT**
M. Occhipinti; Rome/IT
- C. A new look at the mediastinum:
role of MRI and PET/CT**
F.L. Giesel; Heidelberg/DE

6
March**Sunday, March 6, 10:30-12:00, Room D1****SS 1804 COPD and infiltrative lung diseases****Moderators:** B. Ghaye; Brussels/BE
D. Kienzl-Palma; Vienna/AT6
March**Sunday, March 6, 14:00-15:30, Room D1****SS 1904 Computer-based quantification and
texture analysis****Moderators:** R. Cesar; Golnik/SI
M. Regier; Hamburg/DE

REFRESHER COURSES / SCIENTIFIC SESSIONS

Computer Applications

2 March **Wednesday, March 2, 08:30-10:00, Room N**

RC 105 Daily use of mobile devices in radiology **LEVEL I**

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

2 March **Wednesday, March 2, 14:00-15:30, Room Z**

SS 305 Developing tools for clinical workflow management

Moderators: L. Faggioni; Pisa/IT
B. Gibaud; Rennes/FR

3 March **Thursday, March 3, 10:30-12:00, Room Z**

SS 605 Image processing techniques (1)

Moderators: S. Bickelhaupt; Heidelberg/DE
M. de Bruijne; Rotterdam/NL

5 March **Saturday, March 5, 10:30-12:00, Room N**

RC 1405 Will the good old PACS disappear? **LEVEL II**

- » **Chairman's introduction**
D. Regge; Turin/IT
- A. It's time for PACS replacement: how-to guide, recommendations and pitfalls**
S. Morozov; Moscow/RU
- B. Enterprise-based vendor-neutral archiving: is this the future of PACS?**
J. Fernandez-Bayó; Sabadell/ES
- C. Does PACS into the cloud means PACS evaporates?**
J. Schillebeeckx; Knokke/BE
- » **Panel discussion: How will increased interconnection affect radiologist's day-to-day life?**

6 March **Sunday, March 6, 10:30-12:00, Room Z**

SS 1805 Image processing techniques (2)

Moderators: A. Alberich-Bayarri; Valencia/ES
U. Bick; Berlin/DE

6 March **Sunday, March 6, 14:00-15:30, Room Z**

SS 1905 Quality control and safety issues in radiology

Moderators: R. Salvador; Barcelona/ES
P.M.A. van Ooijen; Groningen/NL



Molecular Imaging

2 March **Wednesday, March 2, 08:30-10:00, Room M 1**

RC 106 Molecular imaging: what can we quantify? **LEVEL III**

- Moderator:** T.H. Helbich; Vienna/AT
- A. Advanced MRI techniques**
C.A. Cuénod; Paris/FR
 - B. Advanced PET imaging techniques**
T. Beyer; Vienna/AT
 - C. Clinical applications of quantitative hybrid imaging in oncology**
L. Umutlu; Essen/DE

2 March **Wednesday, March 2, 10:30-12:00, Room Z**

SS 206 PET/CT and MR in oncology

Moderators: S. Chatziioannou; Athens/GR
H. Ittrich; Hamburg/DE

4 March **Friday, March 4, 08:30-10:00, Room M 1**

RC 906 Preclinical imaging as a driver for translational research: how I do it **LEVEL II**

- » **Chairman's introduction**
J. Hodler; Zurich/CH
- A. Preclinical MR/PET imaging of cancer**
C. Kuntner-Hannes; Seibersdorf/AT
- B. What about nano-technology?**
F.M.A. Kiessling; Aachen/DE
- C. View of the young researcher**
D. Berritto; Acerra/IT
- D. View of the radiographer**
R. Harris; London/UK
- » **Panel discussion: How to set-up an attractive programme**

4 March **Friday, March 4, 10:30-12:00, Room M 3**

SS 1006 Advanced hybrid imaging in oncology

Moderators: A.M. Herneth; Vienna/AT
J.L. Vercher-Conejero; Valencia/ES

5 March **Saturday, March 5, 10:30-12:00, Room Z**

SS 1406 Advanced experimental imaging

Moderators: S. Walker-Samuel; London/UK
B. Wängler; Mannheim/DE

REFRESHER COURSES / SCIENTIFIC SESSIONS

Genitourinary

2
March**Wednesday, March 2, 08:30-10:00, Room K****RC 107 Pitfalls in gynaecologic oncologic imaging: how to avoid them and minimise risks** **LEVEL II**

- » **Chairman's introduction**
E. Sala; New York, NY/US
- A. Mistakes in assessment of cervical cancer**
K. Downey; London/UK
- B. Mistakes in assessment of endometrial cancer**
T.M. Cunha; Lisbon/PT
- C. Mistakes in assessment of ovarian masses**
I. Thomassin-Naggara; Paris/FR
- » **Panel discussion: How can we improve interdisciplinary communication and avoid misunderstanding in our reports?**

2
March**Wednesday, March 2, 10:30-12:00, Room K****SS 207 Technical advances****Moderators:** U.G. Mueller-Lisse; Munich/DE
R. Turkyay; Istanbul/TR2
March**Wednesday, March 2, 14:00-15:30, Room K****SS 307 Prostate cancer: targeted biopsy and beyond****Moderators:** M. Meissnitzer; Salzburg/AT
N.N.3
March**Thursday, March 3, 10:30-12:00, Studio 2016****SS 607a Female pelvis****Moderators:** O. Nikolic; Novi Sad/RS
K. Pyra; Lublin/PL3
March**Thursday, March 3, 10:30-12:00, Room M 2****SS 607b New frontiers: urolithiasis and renal function****Moderators:** M.-F. Bellin; Le Kremlin-Bicêtre/FR
J. Lopes Dias; Lisbon/PT3
March**Thursday, March 3, 14:00-15:30, Room K****SS 707 Prostate cancer: routine and novel MRI techniques****Moderators:** D. Bonekamp; Hirschberg/DE
N.C. Cowan; Portsmouth/UK4
March**Friday, March 4, 16:00-17:30, Studio 2016****RC 1207 MRI for gynaecologic imaging: how I do it** **LEVEL II**

- » **Chairman's introduction**
C.D. Alt; Düsseldorf/DE
- A. Basics of patient preparation and T2W-imaging**
N.M. deSouza; Sutton/UK
- B. Contrast agents**
R.A. Kubik-Huch; Baden/CH
- C. Diffusion and ADC**
E. Sala; New York, NY/US
- » **Panel discussion: Multiparametric MRI of the female pelvis - should it replace tailored protocols?**

5
March**Saturday, March 5, 08:30-10:00, Studio 2016****RC 1307 Lessons I learned from mistakes in kidney and adrenal imaging** **LEVEL II**

- » **Chairman's introduction**
S.M. Dudea; Cluj-Napoca/RO
- A. Renal cancer**
T. Bäuerle; Erlangen/DE
- B. PET/CT in nephrourology**
P.A.T. Baltzer; Vienna/AT
- C. Common mistakes in tumour percutaneous radiofrequency ablation**
J.-M. Correas; Paris/FR
- » **Panel discussion: How to manage small lesions of the kidneys incidentally detected in abdominal imaging**

5
March**Saturday, March 5, 10:30-12:00, Studio 2016****SS 1407 Multi-parametric MR of prostate cancer: an update****Moderators:** D. Junker; Innsbruck/AT
J.C. Vilanova; Girona/ES

REFRESHER COURSES / SCIENTIFIC SESSIONS

Genitourinary

6
March Sunday, March 6, 08:30–10:00, Studio 2016

RC 1707 Prostate imaging: how I do it **LEVEL II**

» **Chairman's introduction**

H.-P. Schlemmer; Heidelberg/DE

A. Detection and assessment of aggressiveness

P. Puech; Lille/FR

B. Image-guided biopsy and staging

J.J. Fütterer; Nijmegen/NL

C. Role of imaging in active surveillance and detection of recurrence

V. Logager; Copenhagen/DK

» **Panel discussion: Multiparametric MRI: what are the challenges and strategies to solve these?**

6
March Sunday, March 6, 10:30–12:00, Room K

SS 1807 Tumours of the urinary tract and adrenals

Moderators: G. Heinz-Peer; St. Pölten/AT
R. Huzjan Korunić; Zagreb/HR

6
March Sunday, March 6, 14:00–15:30, Room L 8

SS 1907 Imaging of the reproductive system

Moderators: G. Masselli; Rome/IT
K.B. Puzakov; Moscow/RU

Head and Neck

2
March Wednesday, March 2, 10:30–12:00, Room M 1

SS 208 Orbits and olfaction

Moderators: L.S. Politi; Worcester, MA/US
T. Rodt; Hannover/DE

2
March Wednesday, March 2, 14:00–15:30, Room M 1

SS 308 Salivary glands, neck, parathyroid

Moderators: G. Conte; Milan/IT
C. Czerny; Vienna/AT

2
March Wednesday, March 2, 16:00–17:30, Room N

RC 408 Head and neck imaging: don't sell your ultrasound yet! **LEVEL II**

Moderator: D.-A. Varoquaux; Marseille/FR

A. Salivary gland imaging with ultrasound

S. Colley; Birmingham/UK

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

3
March Thursday, March 3, 08:30–10:00, Room N

RC 508 Pathways for tumour spread **LEVEL II**

Moderator: R. Hermans; Leuven/BE

A. Pathways for oral cavity and oropharynx tumour spread

A. Borges; Lisbon/PT

B. Pathways for nasopharyngeal tumour spread including perineural spread

V. Chong; Singapore/SG

C. Pathway for laryngeal and hypopharyngeal tumour spread

R. Kohler; Sion/CH

3
March Thursday, March 3, 10:30–12:00, Room M 1

SS 608 Pre- and post-operative imaging in oncology

Moderators: A. Borges; Lisbon/PT
S. Steens; Nijmegen/NL

3
March Thursday, March 3, 14:00–15:30, Room M 1

SS 708 Temporal bone

Moderators: S. Kösling; Halle a.d. Saale/DE
K. Markiet; Gdansk/PL

REFRESHER COURSES / SCIENTIFIC SESSIONS

Head and Neck

Interventional Radiology

3
March**Thursday, March 3, 16:00-17:30, Room N****RC 808 Paediatric: how we do head and neck imaging in children** **LEVEL II****Moderator:** N.J.M. Freling; Amsterdam/NL**A. Temporal bone**

B. De Foer; Antwerp/BE

B. Oral, paranasal sinuses and orbit

M. Lell; Erlangen/DE

C. Cysts and lumps in the neck

A. Ailianou; Geneva/CH

4
March**Friday, March 4, 10:30-12:00, Room M 1****SS 1008 Maxillofacial imaging****Moderators:** N.I. Traykova; Plovdiv/BG
G. Widmann; Innsbruck/AT5
March**Saturday, March 5, 08:30-10:00, Room N****RC 1308 Pitfalls in interpretation of head and neck disease** **LEVEL II****Moderator:** J. Frühwald-Pallamar; Vienna/AT**A. Anatomical variants without clinical consequence**

F.A. Pameijer; Utrecht/NL

B. Anatomical variants posing surgical risks

D. Farina; Brescia/IT

C. Distinct head and neck disease or systemic disease?

B.F. Schuknecht; Zurich/CH

5
March**Saturday, March 5, 10:30-12:00, Room M 1****SS 1408 Thyroid nodules****Moderators:** K.S.S. Bhatia; Shatin/HK
R. Elias; Rotterdam/NL2
March**Wednesday, March 2, 08:30-10:00, Room M 3****RC 109 Image fusion for image-guided interventions** **LEVEL III**» **Chairman's introduction**

A. Adam; London/UK

A. Cone-beam CT in vascular and non-vascular interventional procedures

T.F. Jakobs; Munich/DE

B. US image fusion

G.H. Mostbeck; Vienna/AT

C. How can we improve targeting in image-guided interventions: stereotaxis, robotics and advanced techniques

L.A. Solbiati; Rozzano/IT

» **Panel discussion: Practical and economic issues in using high-end guidance for interventional radiology**2
March**Wednesday, March 2, 10:30-12:00, Room D2****SS 209 Ablation outside the liver****Moderators:** G. Carrafiello; Varese/IT
M. Tsitskari; Athens/GR2
March**Wednesday, March 2, 14:00-15:30, Room D2****SS 309 Musculoskeletal****Moderators:** A. Diamantopoulos; London/UK
S. Marcia; Cagliari/IT2
March**Wednesday, March 2, 16:00-17:30, Room M 3****RC 409 Basic principles of percutaneous tumour ablation** **LEVEL II**» **Chairman's introduction**

T. de Baère; Villejuif/FR

A. Thermal ablation with RF

F. Orsi; Milan/IT

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?**

REFRESHER COURSES / SCIENTIFIC SESSIONS

Interventional Radiology

3
March
Thursday, March 3, 08:30-10:00, Room M 3

RC 509 Imaging and endovascular treatment of pulmonary embolism **LEVEL II**

- » **Chairman's introduction**
B. Peynircioglu; Ankara/TR
- A. Imaging algorithm for pulmonary embolism**
B. Ghaye; Brussels/BE
- B. What is new in the recently published guidelines for pulmonary embolism treatment?**
R. Uberoi; Oxford/UK
- C. Updates on the endovascular treatment of massive and submassive pulmonary embolism**
S.C. Spiliopoulos; Patras/GR
- » **Panel discussion: Appropriate diagnosis and risk stratification in the management of acute massive and acute sub-massive pulmonary embolism**

3
March
Thursday, March 3, 10:30-12:00, Room D2

SS 609 Non-vascular techniques in the abdomen

Moderators: O. Akhan; Ankara/TR
D. Kuhelj; Ljubljana/SI

3
March
Thursday, March 3, 16:00-17:30, Room M 3

RC 809 Current trends in transarterial chemoembolisation (TACE) and radioembolisation for HCC **LEVEL III**

- » **Chairman's introduction**
A. Denys; Lausanne/CH
- A. Imaging in therapy planning and follow-up**
L. Crocetti; Pisa/IT
- B. TACE and TAE for HCC: new agents, new schedules, new combinations**
K. Malagari; Athens/GR
- 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?**

4
March
Friday, March 4, 10:30-12:00, Room D2

SS 1009 Liver ablation

Moderators: J. Garnon; Strasbourg/FR
T. Sabharwal; London/UK

5
March
Saturday, March 5, 10:30-12:00, Room D2

SS 1409 Intra-arterial therapies in the liver

Moderators: R.F. Dondelinger; Liège/BE
C. Schmid-Tannwald; Munich/DE

6
March
Sunday, March 6, 10:30-12:00, Room D2

SS 1809 Peri- and postprocedural imaging

Moderators: A. Bharadwaz; Aarhus/DK
A.D. Kelekis; Athens/GR

6
March
Sunday, March 6, 14:00-15:30, Room D2

SS 1909 Endovascular

Moderators: V. Bérczi; Budapest/HU
M. Krokidis; Cambridge/UK

REFRESHER COURSES / SCIENTIFIC SESSIONS

Musculoskeletal

2
March**Wednesday, March 2, 08:30-10:00, Room E1****RC 110 The elbow:
a comprehensive approach** **LEVEL III**

- » **Chairman's introduction**
A. Alcalá-Galiano; Madrid/ES
- A. The tendons: anatomy, pathology and intervention**
P. Peetrons; Brussels/BE
- B. Ligament injury and instability: what to look for and what to say**
M.C. De Jonge; Amsterdam/NL
- C. Nerve entrapment at the elbow**
L.M. Sconfienza; San Donato Milanese/IT
- » **Panel discussion: US, CT, conventional MR, high field MR: what to choose when?**

2
March**Wednesday, March 2, 10:30-12:00, Room E1****SS 210 Trauma and inflammation****Moderators:** R. Hemke; Amsterdam/NL
I.-M. Noebauer-Huhmann; Vienna/AT2
March**Wednesday, March 2, 14:00-15:30, Room E1****SS 310 Ultrasound****Moderators:** P. Peetrons; Brussels/BE
L.M. Sconfienza; San Donato Milanese/IT2
March**Wednesday, March 2, 16:00-17:30, Room E1****RC 410 Bone trauma in the axial skeleton:
patterns of injury and how I
describe them** **LEVEL II****Moderator:** M.-A. Weber; Heidelberg/DE

- A. Thoracic and lumbar spine**
V.N. Cassar-Pullicino; Oswestry/UK
- B. Pelvis**
K. Verstraete; Ghent/BE
- C. Acetabulum**
A. Kassirjian; Majadahonda/ES

3
March**Thursday, March 3, 08:30-10:00, Room E1****RC 510 Inflammatory arthritis:
beyond the radiograph** **LEVEL III**

- » **Chairman's introduction**
M. Reijnen; Leiden/NL
- A. Rheumatoid arthritis: what does MRI show and how do I do it?**
I. Sudoł-Szopińska; Warsaw/PL
- B. The axial skeleton in spondyloarthritis: conventional radiograph to MRI**
R. Campbell; Liverpool/UK
- C. Ultrasound in inflammatory arthritis: what does it show and what does it mean?**
A. Klauser; Innsbruck/AT
- » **Panel discussion: How practical is it for radiologists to support ultrasound and MRI for clinical rheumatology? Is it something the rheumatologists should undertake themselves?**

3
March**Thursday, March 3, 10:30-12:00, Room E1****SS 610a Body composition****Moderators:** G. Guglielmi; Andria/IT
A.S. Issever; Berlin/DE3
March**Thursday, March 3, 10:30-12:00, Room G****SS 610b Cartilage assessment****Moderators:** E.H.G. Oei; Rotterdam/NL
S. Trattnig; Vienna/AT3
March**Thursday, March 3, 14:00-15:30, Room E1****SS 710 Muscles****Moderators:** J. Oudeman; Amsterdam/NL
D.J. Wilson; Oxford/UK3
March**Thursday, March 3, 16:00-17:30, Room E1****RC 810 Sports injuries to the knee:
improving my report** **LEVEL II**

- » **Chairman's introduction**
V. Vasilevska Nikodinovska; Skopje/MK
- 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?**
U. Aydingoz; Ankara/TR
- C. Imaging the reconstructed ACL in athletes: how to assess and what to report**
A.P. Parkar; Bergen/NO
- » **Panel discussion: How will the patient and clinician be most helped by our report, and is there a role for structured reporting?**

REFRESHER COURSES / SCIENTIFIC SESSIONS

Musculoskeletal

4 March **Friday, March 4, 10:30-12:00, Room E1**
SS 1010a Oncology

Moderators: S. Boudabbous; Geneva/CH
 K. Wörtler; Munich/DE

4 March **Friday, March 4, 10:30-12:00, Room M 4**
SS 1010b Hip and shoulder

Moderators: S.E. Anderson; Baden/CH
 T. Geith; Munich/DE

4 March **Friday, March 4, 16:00-17:30, Room E1**
RC 1210 Systemic disease: what to look for in the musculoskeletal system **LEVEL II**

Moderator: A. Cotten; Lille/FR

A. Imaging the diabetic foot

J. Kramer; Linz/AT

B. MSK manifestations of non-malignant haematological disease

A.H. Karantanas; Iraklion/GR

C. MSK manifestations of renal disease

G. Guglielmi; Andria/IT

5 March **Saturday, March 5, 10:30-12:00, Room E1**
SS 1410 Applications in CT and MR: something old, something new

Moderators: A. Cotten; Lille/FR
 J. Ferreira; Lisbon/PT

5 March **Saturday, March 5, 14:00-15:30, Room E1**
RC 1510 Shoulder MRI: mastering technique and making my report relevant **LEVEL II**

» **Chairman's introduction**

M. Maas; Amsterdam/NL

A. The normal MRI: techniques and anatomy

E. Llopis; Valencia/ES

B. Rotator cuff tears: what are they and what do they look like?

K.-F. Kreitner; Mainz/DE

C. Patterns of instability: what does the MRI show?

A.J. Grainger; Leeds/UK

» **Panel discussion: How are the indications for MR arthrography in the shoulder changing?**

6 March **Sunday, March 6, 10:30-12:00, Room E1**
SS 1810 Ligaments, tendons and joints

Moderators: A.H. Karantanas; Iraklion/GR
 A. Sachs; Vienna/AT

Neuro

2 March **Wednesday, March 2, 08:30-10:00, Room G**
RC 111 Toxic brain disorders **LEVEL II**

Moderator: P. Due-Tønnessen; Oslo/NO

A. Alcohol-related changes in the brain

M. Knauth; Goettingen/DE

B. Recreational drugs and occupational hazards

L. Reneman; Amsterdam/NL

C. Treatment-induced effects on the brain parenchyma

J. Alvarez-Linera; Madrid/ES

2 March **Wednesday, March 2, 10:30-12:00, Room E2**
SS 211a Paediatric and epilepsy

Moderators: N. Bargalló; Barcelona/ES
 I. Koerte; Munich/DE

2 March **Wednesday, March 2, 10:30-12:00, Room M 5**
SS 211b Gadolinium deposition and trauma

Moderators: F. Bonneville; Toulouse/FR
 H. Hanelore; Cluj-Napoca/RO

2 March **Wednesday, March 2, 14:00-15:30, Room E2**
SS 311a Cerebral tumours (1)

Moderators: A. Falini; Milan/IT
 F.P. Kuhn; Zurich/CH

2 March **Wednesday, March 2, 14:00-15:30, Room M 4**
SS 311b Dementia

Moderators: N. Pyatigorskaya; Paris/FR
 M.A. van Buchem; Leiden/NL

2 March **Wednesday, March 2, 14:00-15:30, Room M 5**
SS 311c Neurovascular interventions (1)

Moderators: A. Biondi; Besançon/FR
 H.P. Schemuth; Essen/DE

3 March **Thursday, March 3, 10:30-12:00, Room E2**
SS 611 Cerebrovascular disease (1)

Moderators: K.M. Thierfelder; Munich/DE
 P. Vilela; Almada/PT

3 March **Thursday, March 3, 14:00-15:30, Room E2**
SS 711 Cerebrovascular disease (2)

Moderators: U. Lamot; Ljubljana/SI
 Z. Merhemcic; Sarajevo/BA

REFRESHER COURSES / SCIENTIFIC SESSIONS

Neuro

4
March**Friday, March 4, 10:30-12:00, Studio 2016****SS 1011a Neurovascular interventions (2)****Moderators:** T. Kau; Klagenfurt/AT
I. Saatci; Ankara/TR4
March**Friday, March 4, 10:30-12:00, Room E2****SS 1011b Cerebrovascular disease (3)****Moderators:** M. Buruian; Targu-Mures/RO
T. Rostovtseva; St. Petersburg/RU4
March**Friday, March 4, 16:00-17:30, Room G****RC 1211 Cerebrovascular disease** **LEVEL II****Moderator:** M. Vernooij; Rotterdam/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

5
March**Saturday, March 5, 08:30-10:00, Room G****RC 1311 Reporting the degenerative lumbar spine** **LEVEL II****Moderator:** D. Zlatareva; Sofia/BG**A. Disc nomenclature: how I make my report**

J. Rankine; Leeds/UK

B. Don't forget the facet joints and posterior elements

L. van den Hauwe; Antwerp/BE

C. What to say and not to say in your report

M.M. Thurnher; Vienna/AT

5
March**Saturday, March 5, 10:30-12:00, Room E2****SS 1411a Cerebrovascular disease (4)****Moderators:** D. Bos; Rotterdam/NL
C. Calli; Izmir/TR5
March**Saturday, March 5, 10:30-12:00, Room M 4****SS 1411b Cerebral tumours (2)****Moderators:** J.H. Gillard; Cambridge/UK
S. Looby; Dublin/IE5
March**Saturday, March 5, 14:00-15:30, Room G****RC 1511 White spots in the brain** **LEVEL II****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; London/UK, Amsterdam/NL

5
March**Saturday, March 5, 14:00-15:30, Room M 4****SS 1511 Multiple sclerosis****Moderators:** K.-O. Løvblad; Geneva/CH
R. Woitek; Vienna/AT5
March**Saturday, March 5, 16:00-17:30, Room G****RC 1611 Update on endovascular stroke treatment: a medical breakthrough?** **LEVEL II****Moderator:** S. Rohde; Dortmund/DE**A. A critical appraisal of the current literature**

W. van Zwam; Maastricht/NL

B. Which techniques can we use to reopen an occluded cerebral blood vessel?

T. van der Zijden; Edegem/BE

C. Endovascular stroke treatment: ethical and economical concerns

K.-O. Løvblad; Geneva/CH

6
March**Sunday, March 6, 10:30-12:00, Room E2****SS 1811 Spine****Moderators:** S. Kulikova; Moscow/RU
J. Van Goethem; Antwerp/BE6
March**Sunday, March 6, 14:00-15:30, Room E2****SS 1911 Movement disorders and neurodegenerative diseases****Moderators:** L. Haider; Vienna/AT
S. Lehericy; Paris/FR

REFRESHER COURSES / SCIENTIFIC SESSIONS

Paediatric

2
March
Wednesday, March 2, 10:30-12:00, Room M 2
SS 212 Brain and neck

Moderators: P. Gulino; Florence/IT
D. Prayer; Vienna/AT

2
March
Wednesday, March 2, 14:00-15:30, Room M 2
SS 312 Thorax and musculoskeletal

Moderators: C. Balassy; Vienna/AT
Z. Yazici; Bursa/TR

2
March
Wednesday, March 2, 16:00-17:30, Room O
RC 412 Chest imaging in paediatrics **LEVEL II**

Moderator: W. Hirsch; Leipzig/DE

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

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

C. Imaging interstitial lung disease in children: update 2016
M.P. García-Peña; Barcelona/ES

3
March
Thursday, March 3, 08:30-10:00, Room O
RC 512 Imaging of foetus and infant **LEVEL II**

Moderator: A.M. Taylor; London/UK

A. Foetal neuro imaging
A. Rossi; Genoa/IT

B. Foetal body imaging
F.E. Avni; Lille/FR

C. Neonatal urinary tract imaging
M. Riccabona; Graz/AT

4
March
Friday, March 4, 08:30-10:00, Room O
RC 912 Hepatobiliary imaging in children **LEVEL II**

Moderator: M. Raissaki; Iraklion/GR

A. Imaging of liver masses
H. Woodley; Leeds/UK

B. Imaging of biliary disorders
S.G.F. Robben; Maastricht/NL

C. Intervention in the hepatobiliary system
S. Franchi-Abella; Le Kremlin-Bicêtre/FR

4
March
Friday, March 4, 10:30-12:00, Room M 2
SS 1012 Abdominal and foetal imaging

Moderators: G. Papaioannou; Athens/GR
N.N.

4
March
Friday, March 4, 16:00-17:30, Room O
RC 1212 Key issues in paediatric imaging **LEVEL II**

» **Chairman's introduction**
J. Portelli; Msida/MT

A. Key issues in the x-ray department
E. Sorantin; Graz/AT

B. Dose reduction and image quality in paediatric CT
R.A.J. Nievelstein; Utrecht/NL

C. Patient compliance and motion-free protocols in general paediatric MRI
G.K. Schneider; Homburg a.d. Saar/DE

» **Panel discussion: What are the essentials in education and training for paediatric imaging?**

5
March
Saturday, March 5, 08:30-10:00, Room O
RC 1312 Imaging children with cancer **LEVEL II**

Moderator: P. Tomà; Rome/IT

A. Imaging of abdominal masses at diagnosis: clues for benignity vs malignancy
A.M.J.B. Smets; Amsterdam/NL

B. From whole body MRI to MR/PET
J. Schäfer; Tübingen/DE

C. Imaging of complications of therapy
K. McHugh; London/UK

REFRESHER COURSES / SCIENTIFIC SESSIONS

Physics in Radiology

2
March**Wednesday, March 2, 08:30-10:00, Room D2****RC 113 Single-dual-multi-energy CT** **LEVEL III**

- » **Chairman's introduction**
J. Damilakis; Iraklion/GR
- A. Basics of diagnostic dual energy CT**
T. Klinder; Hamburg/DE
- B. Photon counting detector technology for diagnostic CT**
M. Danielsson; Stockholm/SE
- C. Do we really need multi-energy CT?**
S.T. Schindera; Basle/CH
- » **Panel discussion: How many energies do we need in CT?**

2
March**Wednesday, March 2, 10:30-12:00, Room F2****SS 213 CT imaging: effects of body size and use of iterative reconstruction**

Moderators: B.M. Gramer; Munich/DE
A. Jahnen; Esch-sur-Alzette/LU

2
March**Wednesday, March 2, 14:00-15:30, Room F2****SS 313 Radiation risk assessment and awareness**

Moderators: N. Buls; Brussels/BE
O. Ciraj-Bjelac; Belgrade/RS

2
March**Wednesday, March 2, 16:00-17:30, Room D2****RC 413 Artefacts and pitfalls in tomography** **LEVEL III**

- » **Chairman's introduction**
V. Tsapaki; Athens/GR
- A. CT**
M. Kachelrieß; Heidelberg/DE
- B. PET/CT**
T. Beyer; Vienna/AT
- C. MR/PET**
H.H. Quick; Essen/DE
- » **Panel discussion: Imagine imaging without artefacts: dos and don'ts in your clinical practice**

3
March**Thursday, March 3, 08:30-10:00, Room D2****RC 513 How to assess and communicate examination risks to patients and referring physicians?** **LEVEL II**

- » **Chairman's introduction**
A. Torresin; Milan/IT
- 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
- » **Panel discussion: How real are the risks and how do we communicate them?**

*This session is part of the EuroSafe Imaging campaign.*3
March**Thursday, March 3, 14:00-15:30, Room F2****SS 713 Innovations in radiology**

Moderators: Y. Bouchareb; London/UK
R. Raupach; Forchheim/DE

5
March**Saturday, March 5, 14:00-15:30, Room K****RC 1513 IT tools for dose tracking and workflow optimisation** **LEVEL III**

- » **Chairman's introduction**
A. Trianni; Udine/IT
- A. Digital Imaging and Communications in Medicine (DICOM) standard and Integrating the Healthcare Enterprise (IHE)**
D. Peck; Detroit, MI/US
- B. Patient dose index tracking: a must have?**
F. Zanca; Leuven/BE
- C. Optimising technique using patient dose index tracking software: tips and tricks**
R.W.R. Loose; Nürnberg/DE
- » **Panel discussion: Dose index tracking in clinical practice**

REFRESHER COURSES / SCIENTIFIC SESSIONS


Physics in Radiology

Radiographers

5
March
Saturday, March 5, 16:00-17:30, Room K
RC 1613 MR: artefacts and devices **LEVEL II**

- » **Chairman's introduction**
M. Tosetti; Pisa/IT
- A. Image artefacts in MRI and their mitigation**
D.J. Lurie; Aberdeen/UK
- B. Imaging around metal implants: artefact reduction in MRI**
C. McGrath; Belfast/IE
- C. Artefacts in perfusion and diffusion MRI**
I. Tsougos; Larissa/GR
- » **Panel discussion: Clinically applicable tools/ strategies to minimising/avoiding MR imaging artefacts**

6
March
Sunday, March 6, 10:30-12:00, Room F2
SS 1813 Practical radiation risk management



Moderators: M. Koutalonis; Colchester/UK
R.W.R. Loose; Nürnberg/DE


6
March
Sunday, March 6, 14:00-15:30, Room F2
SS 1913 Physics of dual-energy CT and breast imaging

Moderators: H. de las Heras Gala; Zorneding/DE
I.A. Tsalafoutas; Athens/GR

2
March
Wednesday, March 2, 10:30-12:00, Room G
SS 214 Radiographers' education: the curriculum

Moderators: H.B. Eggesbø; Oslo/NO
P.H. Hogg; Manchester/UK

2
March
Wednesday, March 2, 14:00-15:30, Room G
SS 314 CT parameters: juggling or struggling?



Moderators: E. Agadakos; Athens/GR
E. Sorantin; Graz/AT

3
March
Thursday, March 3, 14:00-15:30, Room G
SS 714 Quality issues in ultrasound and CT

Moderators: C. Beardmore; London/UK
K. Lang; Malmö/SE

4
March
Friday, March 4, 08:30-10:00, Room D2
RC 914 State-of-the-art breast imaging

- » **Chairmen's introduction**
V. Syrgiamiotis; Athens/GR
S. Zackrisson; Malmö/SE
- A. Current status of digital mammography**
C.E. Mercer; Manchester/UK
- B. Developments in digital mammography**
C. Reis; Lisbon/PT
- C. Breast MRI and the future**
G. Podobnik; Ljubljana/SI
- » **Panel discussion: The role of multimodality imaging in breast imaging**

4
March
Friday, March 4, 10:30-12:00, Room G
SS 1014 High dose antidotes



Moderators: I. Arkhipova; Moscow/RU
S. Brandão; Porto/PT

REFRESHER COURSES / SCIENTIFIC SESSIONS

Radiographers

5
March

Saturday, March 5, 08:30-10:00, Room D2

RC 1314 Enhancing research in radiography: a change of culture» **Chairmen's introduction**C. Vandulek; Kaposvár/HU
I.M. Björkman-Burtscher; Lund/SE**A. Radiography research updates: new collaborations and initiatives in Europe**

J. McNulty; Dublin/IE

B. FoRRM: a Formal Radiography Research Mentorship scheme as an instrument for change

C. Malamateniou; London/UK

C. Translating research evidence into clinical practice

G. Paulo; Coimbra/PT

» **Panel discussion: Research: the key to advancing the profession of radiography?**5
March

Saturday, March 5, 10:30-12:00, Room G

SS 1414 Safety and patient care in medical imaging**Moderators:** A. Henner; Oulu/FI
D. Miletić; Rijeka/HR5
March

Saturday, March 5, 14:00-15:30, Room D2

RC 1514 Innovative education in medical imaging» **Chairmen's introduction**P. Bezzina; Msida/MT
M. Bachmann Nielsen; Copenhagen/DK**A. Is there a role for smartphones and tablets in medical imaging education?**

F. Girard; Pont de Roide/FR

B. Using simulators as an innovative teaching tool in medical imaging

P. Cosson; Teeside/UK

C. Beyond eye candy: developing effective interactive animations to enhance MRI learning

D. Koumarios; Athens/GR

» **Panel discussion: What is the value of innovation in advancing clinical practice and education in radiography?**5
March

Saturday, March 5, 16:00-17:30, Room D2

RC 1614 Safety issues in medical imaging**Moderators:** J. Santos; Coimbra/PT
C. Leidecker; Forchheim/DE**A. Safeguarding patients and staff in MRI**

T. Owmán; Lund/SE

B. Safety aspects in an interventional radiology setting?

D. Catania; Milan/IT

C. An introduction to mammography safety: what can be done?

D. O'Leary; Hertfordshire/UK

D. Safety in CT: dose minimisation and beyond

R. Booi; Rotterdam/NL

This session is part of the EuroSafe Imaging campaign.6
March

Sunday, March 6, 08:30-10:00, Room D2

RC 1714 The magic of excellent images» **Chairmen's introduction**N. Mekiš; Ljubljana/SI
A.P. Parkar; Bergen/NO**A. Image quality optimisation in MRI: a radiographer's perspective**

M. Kiss; Miskolc/HU

B. Fine tuning of image quality in computed tomography, the role of the radiographer

D. Pekarovic; Ljubljana/SI

C. X-ray radiography: tips and tricks for high quality imaging on the frontline

E. Constantarogianni; Athens/GR

» **Panel discussion: The importance of excellent images for advancing the quality of healthcare**6
March

Sunday, March 6, 10:30-12:00, Room G

SS 1814 Getting the radiation dose as low as possible**Moderators:** H. Ståhlbrandt; Eksjö/SE
F. Zarb; Msida/MT6
March

Sunday, March 6, 14:00-15:30, Room G

SS 1914 How to improve image quality in MRI and mammography**Moderators:** B. Bougias; Ioannina/GR
E. Szabó; Szeged/HU

REFRESHER COURSES / SCIENTIFIC SESSIONS

Vascular

2
March
Wednesday, March 2, 10:30-12:00, Room L 8
SS 215 Vasculopathy: form and function

Moderators: M. Reiter; Vienna/AT
A. van der Lugt; Rotterdam/NL

2
March
Wednesday, March 2, 14:00-15:30, Room L 8
SS 315 Peripheral arteries: imaging and therapy

Moderators: M. de Bucourt; Berlin/DE
J.T. Ortiz-Pérez; Barcelona/ES

2
March
Wednesday, March 2, 16:00-17:30, Room M 1
RC 415 Basic principles of varicose vein diagnosis and endovascular treatment **LEVEL II**

Moderator: D. Karnabatidis; Patras/GR

A. Diagnostic cross-sectional imaging
H. Hoppe; Berne/CH

B. Saphenous vein ablation
M. Akesson; Höllviken/SE

C. Ultrasound guided sclerotherapy
P.F. Sousa; Ermesinde/PT

3
March
Thursday, March 3, 10:30-12:00, Room L 8
SS 615 Optimising vascular imaging techniques

Moderators: A.L.J. Bojanovic; Nis/RS
T. Rand; Vienna/AT

3
March
Thursday, March 3, 14:00-15:30, Room Z
SS 715 Endovascular therapies: what's new?

Moderators: F. Fanelli; Rome/IT
D.K. Tsetis; Iraklion/GR

3
March
Thursday, March 3, 16:00-17:30, Room M 1
RC 815 Carotid artery disease: so what's new? **LEVEL II**

Moderator: T. Jargiello; Lublin/PL

A. The diagnostic assessment of carotid arteries
R. Iezzi; Rome/IT

B. Carotid stenting vs endarterectomy: is the jury back yet?
S. MacDonald; Newcastle upon Tyne/UK

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

4
March
Friday, March 4, 08:30-10:00, Room M 2
RC 915 Fixing a leaky EVAR **LEVEL III**

Moderator: R. Morgan; London/UK

A. The role of US: Doppler, 3D US, CEUS
P. Ricci; Rome/IT

B. 2D and 3D CTA: current concepts
A. Bücker; Homburg a.d. Saar/DE

C. Endovascular management
R. Uberoi; Oxford/UK

4
March
Friday, March 4, 10:30-12:00, Room Z
SS 1015 Thoracic aorta: novel imaging and interventions

Moderators: A. Contegiacomo; Rome/IT
S. Duvnjak; Odense/DK

5
March
Saturday, March 5, 10:30-12:00, Room M 3
SS 1415 Pulmonary vasculature: new and improved

Moderators: M. Prokop; Nijmegen/NL
A. Redheuil; Paris/FR

5
March
Saturday, March 5, 14:00-15:30, Room M 3
SS 1515 New observations in visceral imaging and therapy

Moderators: J.I. Bilbao; Pamplona/ES
R. Unterhinninghofen; Karlsruhe/DE

6
March
Sunday, March 6, 10:30-12:00, Room L 8
SS 1815 Abdominal aortic and other aneurysms

Moderators: I. Bargellini; Pisa/IT
E. Brountzos; Athens/GR

REFRESHER COURSES / SCIENTIFIC SESSIONS

Oncologic Imaging

2
March**Wednesday, March 2, 10:30-12:00, Room F1****SS 216a Hepatocellular cancer: characterisation, response and recurrence****Moderators:** M.A. Bali; Brussels/BE
A. Fohlen; Caen/FR2
March**Wednesday, March 2, 10:30-12:00, Room M 4****SS 216b Advanced imaging methods (2)****Moderators:** C. Ayuso; Barcelona/ES
O.V. Kucheruk; Moscow/RU2
March**Wednesday, March 2, 14:00-15:30, Room F1****SS 316 Dealing with metastatic disease****Moderators:** D.M. Lambregts; Amsterdam/NL
A. Sohaib; London/UK2
March**Wednesday, March 2, 16:00-17:30, Room F1****RC 416 Evaluating lymph node involvement: an impossible task? LEVEL II**

- » **Chairman's introduction**
D.-M. Koh; Sutton/UK
- A. The current criteria for nodal involvement MRI/CTI**
W. Schima; Vienna/AT
- B. Advanced MRI techniques: what do they contribute?**
H.C. Thoeny; Berne/CH
- C. PET and other nuclear medicine techniques**
T. Barwick; London/UK
- » **Panel discussion: Will imaging ever make diagnostic biopsy unnecessary?**

3
March**Thursday, March 3, 08:30-10:00, Room F1****RC 516 A multidisciplinary approach to prostate cancer: can we make a difference? LEVEL III**

- » **Chairman's introduction**
B. Hamm; Berlin/DE
- A. The urologist: evidence-based clinical decision making**
B.A. Hadaschik; Heidelberg/DE
- B. The radiologist: evidence-based use of multiparametric MRI**
H.-P. Schlemmer; Heidelberg/DE
- C. The interventional radiologist**
C. Catalano; Rome/IT
- » **Panel discussion: Prostate cancer: evidence-based multidisciplinary approach to imaging and treatment**

3
March**Thursday, March 3, 10:30-12:00, Room F1****SS 616 Advanced imaging methods (1)****Moderators:** V. Panebianco; Rome/IT
B.M. Schaarschmidt; Düsseldorf/DE3
March**Thursday, March 3, 14:00-15:30, Room F1****SS 716 Whole body imaging****Moderators:** J. Sosna; Jerusalem/IL
T.D. Westwood; Manchester/UK4
March**Friday, March 4, 08:30-10:00, Room F1****RC 916 Diffusion-weighted imaging (DWI) in oncology: how I do it LEVEL III**

- » **Chairman's introduction**
D.-M. Koh; Sutton/UK
- A. DWI: how to optimise protocols**
N. Papanikolaou; Iraklion/GR
- B. DWI in abdominal oncology: ready for clinical practice?**
D.M. Lambregts; Amsterdam/NL
- C. DWI: whole body imaging**
V. Vandecaveye; Leuven/BE
- » **Panel discussion: How to optimise DWI for clinical practice?**

4
March**Friday, March 4, 10:30-12:00, Room F1****SS 1016 Prostate and renal tract cancers: advanced detection methods****Moderators:** J. Rørvik; Bergen/NO
W. Sommer; Munich/DE4
March**Friday, March 4, 16:00-17:30, Room F1****RC 1216 New insights in bone tumour imaging LEVEL III**

- » **Chairman's introduction**
D. Vanel; Bologna/IT
- A. New insights in treatment-associated changes in patients with bone tumours**
C.R. Krestan; Vienna/AT
- B. New insights in staging and restaging musculoskeletal tumours**
J.L. Bloem; Leiden/NL
- C. New insights in imaging for multiple myeloma**
G. Sommer; Basle/CH
- » **Panel discussion: The future of bone tumour imaging**

REFRESHER COURSES / SCIENTIFIC SESSIONS

Oncologic Imaging

Emergency Radiology

5
March
Saturday, March 5, 10:30-12:00, Room M 2
SS 1416 Pelvic and breast cancer
Moderators: O. Abeyakoon; Cambridge/UK
B.D. Klumpp; Tübingen/DE

6
March
Sunday, March 6, 10:30-12:00, Studio 2016
SS 1816 Gastrointestinal cancer: prediction and assessment of therapeutic response
Moderators: S. Battisti; Rome/IT
N. Power; Waterford/IE

6
March
Sunday, March 6, 14:00-15:30, Studio 2016
SS 1916 Assessment and prediction of treatment response
Moderators: L.S. Fournier; Paris/FR
A. Gogbashian; Middlesex/UK

2
March
Wednesday, March 2, 08:30-10:00, Room M 4
RC 117 Abdominal trauma: does it bleed, will it start bleeding or is something else leaking? **LEVEL II**

Moderator: S. Wirth; Munich/DE
A. Liver and spleen
M. Scaglione; Castel Volturno/IT
B. Pancreas, bowel and mesentery
M.A. Patak; Zurich/CH
C. Urogenital tract
R.H. Oyen; Leuven/BE

2
March
Wednesday, March 2, 16:00-17:30, Room M 4
RC 417 'Special patients' in the emergency room: when and how to image them? **LEVEL II**

Moderator: U. Linsenmaier; Munich/DE
A. Children
V. Miele; Rome/IT
B. Pregnant patients
H. Alkadhi; Zurich/CH
C. Elderly patients
K. Katulska; Poznan/PL

3
March
Thursday, March 3, 10:30-12:00, Room F2
SS 617 Cardiothoracic emergencies
Moderators: F. Carbonetti; Rome/IT
J.B. Dormagen; Oslo/NO

3
March
Thursday, March 3, 14:00-15:30, Room D2
SS 717 Trauma of the brain and body
Moderators: J.M. Artigas; Zaragoza/ES
F. Mrakic Sposta; Milan/IT

4
March
Friday, March 4, 08:30-10:00, Room M 4
RC 917 Acute pain: your friend and enemy in emergency radiology **LEVEL II**

» **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
C.N. De Cecco; Charleston, SC/US
C. Abdomen
R. Basilico; Chieti/IT
» **Panel discussion: Where does radiology fit in the pathway?**

JOINT SESSIONS

JOINT SESSIONS

2 March **Wednesday, March 2, 08:30-10:00, Room L8**

EuroSafe Imaging Session 1
Low-dose research in medical radiation protection

LEVEL II

Moderator: L. Rainford; Dublin/IE

- » **Developing a strategic research agenda for medical radiation protection: a chance for advancing research in radiology**
W. Stiller; Heidelberg/DE
- » **Do iodinated contrast media enhance DNA damage after exposure to ionising radiation?**
G. Frija; Paris/FR
- » **Dose reduction in modern digital plain-radiography on the basis of indication-specific, standardised quality criteria**
D. Spira; Heidelberg/DE
- » **Paediatric imaging: are risks of ionising radiation exposure established?**
H. Ducou le Pointe; Paris/FR



This session is part of the EuroSafe Imaging campaign.

2 March **Wednesday, March 2, 12:30-13:30; Room D2**

Clinical Trials in Radiology (CTiR) 1

Moderators: M. Dewey; Berlin/DE
R.L. Arenson; San Francisco, CA/US

- » **The Swedish CARDioPulmonary BioImage Study (SCAPIS): objectives and design**
G. Bergström; Gothenburg/SE
Discussant: G. Krombach; Giessen/DE
- » **NSsFe study: observational study on the incidence of nephrogenic systemic fibrosis in renal impaired patients following gadoteric acid administration**
A. Gottschalk; Frankfurt a. Main/DE
Discussant: M. Forsting; Essen/DE
- » **Computed tomography angiography vs Agatston score for diagnosis of coronary artery disease: results from the international Collaborative Meta-Analysis of Cardiac CT (COME-CCT)**
V. Wieske; Berlin/DE
Discussant: J.D. Dodd; Dublin/IE
- » **Efficient use of medical imaging in Belgium: where does it go wrong in prescribing imaging studies for the lumbar spine and abdomen? A national multicentric study**
N. Stichelbaut; Ghent/BE
Discussant: F.J. Gilbert; Cambridge/UK

2 March **Wednesday, March 2, 16:00-17:30, Room E2**

EuroSafe Imaging Session 2
EuroSafe Imaging Alliance & Campaign - what is new?

LEVEL II

Moderator: G. Frija; Paris/FR

- » **An overview of the EuroSafe Imaging achievements over the past year**
G. Frija; Paris/FR
- » **Update on the concept of Diagnostic Reference Levels**
P. Vock; Spiegel/CH
- » **Establishing European Diagnostic Reference Levels for paediatric imaging: an update on the EC tender project PiDRL**
J. Damiak; Iraklion/GR
- » **The European paediatric imaging project**
C. Owens; London/UK
- » **The EuroSafe Imaging dose management project**
D. Caramella; Pisa/IT
- » **AFROSAFE Imaging Alliance and Campaign**
M.G. Kawooya; Kampala/UG
- » **Image Wisely and Image Gently: an overview**
D. Frush; Durham, NC/US
- » **Panel discussion**



Chair: J. Griebel; Neuherberg/DE (HERCA, Bfs)
Panellists:
M. Perez; Geneva/CH (WHO)
D. Paez; Vienna/AT (IAEA)
G. Simeonov; Luxembourg/LU (EC)
N. Denjoy; Brussels/BE (COCIR)
G. Paulo; Coimbra/PT (EFRS)

This session is part of the EuroSafe Imaging campaign.

3 March **Thursday, March 3, 12:30-13:30, Room D2**

Clinical Trials in Radiology (CTiR) 2

Moderators: M. Dewey; Berlin/DE
R.L. Baron; Chicago, IL/US

- » **MR-targeted vs TRUS-guided prostate biopsy in patients with high PSA values: a randomized controlled trial**
F. Russo; Candiolo/IT
Discussant: P. Asbach; Berlin/DE
- » **The multicentre DISCHARGE trial pilot study: Image quality and protocol adherence results**
G. De Rubeis; Rome/IT
Discussant: R. Vliegthart; Groningen/NL
- » **Dynamic stress perfusion CT for detection of inducible myocardial ischemia: rationale and design of the SPECIFIC-trial**
F. Bamberg; Tübingen/DE
Discussant: A. Jankauskas; Kaunas/LT
- » **The impact of breast MRI on surgical planning and reoperation rate: first results from the MIPA study**
R.M. Trimboli; San Donato Milanese/IT
Discussant: B. Brkljačić; Zagreb/HR

JOINT SESSIONS

3
March

Thursday, March 3, 14:00-15:30, Studio 2016

EIBIR Session 1*(European Institute for Biomedical Imaging Research)***Joint VPH-PRISM/ASSURE Session -
from screening to therapy:
innovative breast care concepts**

LEVEL III

Moderator: H.K. Hahn; Bremen/DE

- » **Introduction: challenges and innovative approaches in image-based breast care**
H.K. Hahn; Bremen/DE
- » **Density patterns, breast cancer risk and masking in screening mammograms**
C. van Gils; Utrecht/NL
- » **Novel ultrasound and MRI technologies for breast cancer screening**
N. Karssemeijer; Nijmegen/NL
- » **Breast cancer risk and masking risk-based stratification protocols: key drivers of cost-effectiveness**
E. Gray; Manchester/UK
- » **Histopathology images: the new kid on the block of clinical multimodality imaging**
J. van der Laak; Nijmegen/NL
- » **Quantitative treatment planning, response prediction, and monitoring**
K. Pinker-Domenig; New York, NY/US

3
March

Thursday, March 3, 14:00-15:30, Room N

ESOR Session*(European School of Radiology)***Advancing clinical practice:
role of education**

LEVEL II

Moderators: L. Donoso Bach; Barcelona/ES
N. Gourtsoyiannis; Athens/GR

- » **Introduction**
L. Donoso Bach; Barcelona/ES
- » **ESOR in action 2016**
N. Gourtsoyiannis; Athens/GR
- » **Role of remodelling in delivering of learning**
P.R. Ros; Cleveland, OH/US
- » **Role of referral guidelines and clinical decision support systems**
L. Donoso Bach; Barcelona/ES
- » **MDTs and patient outcomes**
R.H. Reznek; London/UK
- » **Role of research and innovation: essential ingredients for our professional advancement**
H. Hricak; New York, NY/US

Awards

During the session, scholars and fellows will be awarded certificates for successfully completing the 2015 ESOR Scholarship and Fellowship Programmes.

3
March

Thursday, March 3, 16:00-17:30, Room K

ACR Session *(American College of Radiology)***Delivering higher value care in radiology:
how to make it work in clinical practice -
perspectives from the American College
of Radiology**

LEVEL III

Chairpersons: B. Allen, Jr.; Birmingham, AL/US
H.-U. Kauczor; Heidelberg/DE

- » **Awareness to accountability: coping with the mandates for documenting higher-value care**
B. Allen, Jr.; Birmingham, AL/US
- » **Radiologists' role in delivering higher-value care through population health management**
W.T. Thorwarth; Reston, VA/US
- » **Involving patients in their radiological care: radiologist visibility, personalised care and improving outcomes**
D.C. Kushner; Norfolk, VA/US
- » **Questions and answers**

3
March

Thursday, March 3, 16:00-17:30, Room O

**ESR Working Group on Ultrasound
Minimising the risk of transmitting
infections through ultrasound:
is current practice sufficient?**

LEVEL II

- » **Chairman's introduction**
L.E. Derchi; Genoa/IT
- » **Why is it important to consider infection control issues in ultrasound? Low- vs high-risk examinations**
C. Nyhsen; Sunderland/UK
- » **Current accepted practice of ultrasound probe decontamination in endocavitary and interventional radiology**
N. Grenier; Bordeaux/FR
M. Claudon; Vandoeuvre-les-Nancy/FR
- » **Why current practice may not be safe: main risks of infection transmission and published evidence**
H. Humphreys; Dublin/IE
- » **Panel discussion: Safer practice vs considerable cost implications: are changes needed and feasible?**

JOINT SESSIONS

4
March

Friday, March 4, 08:30-10:00, Room K


EFOMP Workshop:
Radiation protection for the female patient and female medical staff
(European Federation of Organisations for Medical Physics)

EF 1 Breast imaging modalities and radiation dose **LEVEL I**

Moderators: J. Damilakis; Iraklion/GR
T. Beyer; Vienna/AT

- » **Chairman's introduction**
J. Damilakis; Iraklion/GR
- » **Breast CT: technology and patient dose**
I. Sechopoulos; Nijmegen/NL
- » **Digital mammography for screening and diagnosis of breast cancer: breast doses and radiogenic risks**
O. Morrish; Cambridge/UK
- » **Digital breast tomosynthesis: physical principles and radiation dose levels**
G. Gennaro; Padua/IT

This session is part of the EuroSafe Imaging campaign.



4
March

Friday, March 4, 10:30-12:00, Room K

EFOMP Workshop:
Radiation protection for the female patient and female medical staff
(European Federation of Organisations for Medical Physics)

EF 2 Pregnancy and lactation **LEVEL II**

Moderators: P. Sharp; Aberdeen/UK
V. Tspaki; Athens/GR

- » **Chairman's introduction**
P. Sharp; Aberdeen/UK
- » **Radiation protection of pregnant and lactating patients in nuclear medicine**
S. Mattsson; Malmö/SE
- » **Dose management of pregnant patients in x-ray imaging**
J. Damilakis; Iraklion/GR
- » **Occupational radiation protection: protecting pregnant or potentially pregnant workers in interventional radiology**
A. Trianni; Udine/IT

This session is part of the EuroSafe Imaging campaign.



4
March

Friday, March 4, 12:15-13:45, Room D2

MIR Session (Management in Radiology)

MIR 1 Communication in radiology **LEVEL I**

Moderators: S. Morozov; Moscow/RU
B. Hamm; Berlin/DE


- A. Communication and conflict resolution in radiology: how to recruit and retain the best team**
P.R. Ros; Cleveland; OH/US
- B. Impact of structured reporting on communication with referring physicians**
D.P. dos Santos; Mainz/DE
- C. Informed consent in the radiology department: when and how?**
L.H.R. Mendoza; Zaragoza/ES
- D. Patients' expectations in communication with radiologists**
E. Briers; Hasselt/BE

» **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.

4
March

Friday, March 4, 14:00-15:30, Room M 4

Joint Session of the ESR and ESMRMB 
(European Society for Magnetic Resonance in Medicine and Biology)

Cardiac MRI **LEVEL II**

Moderators: E.R. Danielsen; Copenhagen/DK
J. Bremerich; Basle/CH

- » **Overview of cardiac MR methods**
S. Kozerke; Zurich/CH
- » **Clinical use of MR in congenital cardiac disease**
V. Muthurangu; London/UK
- » **Clinical use of MR in acquired cardiac disease**
T. Leiner; Utrecht/NL

 = Interactive session with electronic voting/self assessment

4
March

Friday, March 4, 14:00-15:30, Room L8

EIBIR Session 2

(European Institute for Biomedical Imaging Research)

MITIGATE: What does it take to perform clinical trials in interventional radiology? **LEVEL III**

- » **Introduction**
S.O. Schönberg; Mannheim/DE
W.R. Jaschke; Innsbruck/AT
- » **Overview on clinical trials in interventional radiology in Europe**
A. Gangi; Strasbourg/FR
- » **How to implement investigator-initiated or industry-sponsored trials in interventional oncology: SORAMIC vs SIRFLOX**
J. Ricke; Magdeburg/DE
- » **Design of a clinical trial in oligometastatic GIST: results from the MITIGATE consortium**
C. Decristoforo; Innsbruck/AT
- » **Discussion**

4
March

Friday, March 4, 14:00-15:30, Room D2

MIR Session (Management in Radiology)

MIR 2 Improving quality and safety in radiology **LEVEL II**

Moderators: D.A. Koff; Hamilton, ON/CA
E.J. Adam; London/UK

- A. How to run a safe department?**
P. Cavanagh; Taunton/UK
- B. Patient satisfaction with radiology departments: are we doing our best?**
G. Paulo; Coimbra/PT
- C. Is there any evidence for decision support?**
G. Boland; Boston, MA/US
- D. Dose monitoring and benchmarking: opportunities to improve radiation protection**
D. Caramella; Pisa/IT
- » **Discussion**

This session is part of the EuroSafe Imaging campaign.



4
March

Friday, March 4, 14:00-15:30, Room A

Image Interpretation Quiz (IIQ) Imaging with the stars

Moderator: A.G. Rockall; London/UK

- » **Team 1:**
N. Grenier; Bordeaux/FR
M. Vernooij; Rotterdam/NL
M. Gardarsdottir; Reykjavik/IS
S.A. Taylor; London/UK
- » **Team 2:**
I. Thomassin-Naggara; Paris/FR
H.R. Jäger; London/UK
A.R. Larici; Rome/IT
T.K. Helmberger; Munich/DE



4
March

Friday, March 4, 16:00-17:30, Room M 1

EuroSafe Imaging Session 3 Joint Session of the ESR and HERCA

LEVEL III

(Heads of the European Radiological protection Competent Authorities):

the new EU-BSS Directive - a step forward to patient safety

- » **Chairmen's introduction**
G. Frija; Paris/FR
S. Ebdon-Jackson; Didcot/UK
- » **Overview of EU radiation protection legislation**
J. Griebel; Neuherberg/DE
- » **Regulators' expectations**
S. Ebdon-Jackson; Didcot/UK
- » **Tools to support implementation of the BSS Directive: ESR perspective**
G. Frija; Paris/FR
- » **Tools to support implementation of the BSS Directive: medical physicists' perspective**
J. Damilakis; Iraklion/GR
- » **Tools to support implementation of the BSS Directive: radiographers' perspective**
C. Vandulek; Kaposvar/HU
- » **Discussion: Regulators' vs practitioners' perspective: two sides of the same coin**

Chairs: G. Frija; Paris/FR (ESR)
S. Ebdon-Jackson; Didcot/UK (HERCA)

Panellists: J. Griebel; Neuherberg/DE (HERCA)
J. Damilakis; Iraklion/GR (EFOMP)
C. Vandulek; Kaposvar/HU (EFRS)
N. Denjoy; Belgium/BE (COCIR)

This session is part of the EuroSafe Imaging campaign.



= Interactive session with electronic voting/self assessment

JOINT SESSIONS

4 March Friday, March 4, 16:00-17:30, Room Z

EDiR Talk

(European Diploma in Radiology)

What you should know about the EDiR

LEVEL II

- » **Chairmen's introduction:
The story of the European Diploma
in Radiology (EDiR)**

J. Vilar; Valencia/ES
Y. Menu; Paris/FR

- » **Evolution of EDiR**

J. Vilar; Valencia/ES
P.C. Maly Sundgren; Lund/SE
L. McKnight; Langland/UK
V. Iranzo; Barcelona/ES
H.T. Sarisoy; Kocaeli/TR

- » **EDiR**

O. Dicle; Izmir/TR
E. Jordan; Barcelona/ES



4 March Friday, March 4, 16:00-17:30, Room D2

MIR Session (Management in Radiology)

MIR 3 Improving radiology departments

LEVEL III

Moderators: J.K. Bell; Manchester/UK
P. Mildenberger; Mainz/DE

A. Health and wellbeing in the workplace

C.L. Cooper; Manchester/UK

B. The role of radiology departments in patient-centred care: requirements for improvement

R. Arenson; San Francisco, CA/US

C. Key features for organisational and financial sustainability

E. Schouman-Claeys; Paris/FR

D. Clinically relevant reporting in the era of precision medicine

H. Hricak; New York, NY/US

- » **Discussion**

4 March Friday, March 4, 16:00-17:30, Room B

Joint Session of the ESR and the EANM

(European Association of Nuclear Medicine)

Hybrid imaging: radiology and nuclear medicine

LEVEL II

Chairpersons: K. Riklund; Umea/SE
V. Lewington; London/UK

- » **Introduction**

K. Riklund; Umea/SE
V. Lewington; London/UK

- » **Dementia: the role of radiology**

S. Haller; Geneva/CH

- » **Dementia: the role of nuclear medicine**

V. Garibotto; Geneva/CH

- » **Prostate cancer: PET/CT in early biochemical relapse**

E. Lopci; Rozzano/IT

- » **Prostate cancer: multiparametric MR in the diagnosis and clinical management of prostate cancer**

F. Mrakic Sposta; Milan/IT

- » **Panel discussion: How can collaboration between radiology and nuclear medicine develop imaging and research in hybrid imaging?**

4 March Friday, March 4, 16:00-17:30, Room L8

EIBIR Session 3

(European Institute for Biomedical Imaging Research)

Gateway to European funding for research projects

LEVEL I

- » **Introduction**

G.P. Krestin; Rotterdam/NL

- » **Maximising your chances to obtain European research funding: opportunities, strategies, services**

P. Zolda; Vienna/AT

- » **An evaluator's perspective**

M. Dewey; Berlin/DE

- » **Success story of a maximum score project in Horizon 2020**

C.K. Kuhl; Aachen/DE

- » **Questions and answers**

5
March

Saturday, March 5, 08:30-10:00, Room L8

ESR Patient Advisory Group**ESR-PAG 1 Patient-centred care in clinical radiology: do we really put our patients first?** **LEVEL II**

- » **Chairmen's introduction**
N. Bedlington; Vienna/AT
P. Cavanagh; Taunton/UK
- » **Implementing the 'driver diagram' on patient-centred care**
P. Cavanagh; Taunton/UK
- » **View of a patient representative from the neurological disease area**
D. Walsh; Dublin/IE
- » **View of a patient with prostate cancer**
E. Briers; Hasselt/BE
- » **Satisfaction assessment of patient users of an imaging department: an example from the south of France**
D.-G. Carrié; Toulouse/FR
- » **Panel discussion: Question to the audience: does your department perform well in patient-centred care? Is it really all about the patient?**

5
March

Saturday, March 5, 10:30-12:00, Room L8

ESR Patient Advisory Group**ESR-PAG 2 Mind the gap - data-sharing for better patient outcomes - the key issues for patients and the radiology community** **LEVEL II**

- » **Chairmen's introduction**
N. Bedlington; Vienna/AT
B. Brkljačić; Zagreb/HR
- » **eHealth, EHR and data protection: friend or foe?**
P. Mildenerger; Mainz/DE
- » **View of a patient representative from the Pelvic Pain Support Network**
J. Birch; Poole/UK
- » **View of a patient with prostate cancer**
E. Briers; Hasselt/BE
- » **Big data in radiology: how will it enhance personalised medicine?**
H.-U. Kauczor; Heidelberg/DE
- » **Panel discussion: Big data = big issues?**

5
March

Saturday, March 5, 12:55-13:55, Room A

Junior Image Interpretation Quiz (JIIQ) Millennials showdown: the next generation of radiology**Moderator:** F. Arnberg; Stockholm/SE

- » **Team 1:**
C. Toxopeus; Amsterdam/NL
A. Gupta; London/UK
- » **Team 2:**
F.G. Meinel; Munich/DE
D. Penha; Lisbon/PT
- » **Team 3:**
J.A. Prat-Matifoll; Barcelona/ES
O. Urbán; Szeged/HU
- » **Team 4:**
B. Fejér; Budapest/HU
S. Belkacem; Monaco/MC

5
March

Saturday, March 5, 13:30-15:30, Room Z

EIBIR Session 4*(European Institute for Biomedical Imaging Research)***The VPH-DARE@IT Project: delivering a clinical decision support platform for earlier dementia diagnosis** **LEVEL III****Moderator:** A. Frangi; Sheffield/UK

- » **VPH-DARE@IT: towards early, differential diagnosis of dementia**
A. Frangi; Sheffield/UK
- » **Clinical platform for data-driven differential diagnostics of cognitive disorders**
M. van Gils; Tampere/FI
- » **Shared research as a service platform for translating research into clinical practice for dementia**
S. Varma; Sheffield/UK
- » **In silico characterisation of white matter microstructure using diffusion MRI**
L. Beltrachini; Sheffield/UK
- » **Fluid transport in the ageing brain: an integrative modelling approach**
Y. Ventikos; London/UK
- » **Phenomenological modelling and the RSS**
W.J. Niessen; Rotterdam/NL
- » **Discussion**



= Interactive session with electronic voting/self assessment

JOINT SESSIONS

5 March **Saturday, March 5, 14:00-15:30, Studio 2016**

Joint Session of the ESR and ERS

(European Respiratory Society)

Imaging of airways:

what the respirologist needs to know

LEVEL II

Moderators: N. Karabulut; Denizli/TR
S. Ley; Munich/DE

- » **Classification and impact of bronchiectasis**
S. Aliberti; Milan/IT
- » **How to image and report airway disease?**
P.A. Grenier; Paris/FR
- » **Role of airway obstruction and remodeling in the progression of COPD**
I. Adcock; London/UK
- » **Imaging of mucus, inflammation and remodeling in COPD and CF**
H.-U. Kauczor; Heidelberg/DE

5 March **Saturday, March 5, 16:00-17:30, Room L8**

EuroSafe Imaging Session 4

You too can definitely do audits

LEVEL II

- » **Chairman's introduction**
E.J. Adam; London/UK
- » **Experience from an established national programme**
D. Remedios; Harrow/UK
- » **The challenges of introducing a national audit programme**
A. Vargha; Hidegség/HU
- » **How to make audit easy: the ESR Audit Tool**
P. Cavanagh; Taunton/UK
- » **Panel discussion**



This session is part of the EuroSafe Imaging campaign.

5 March **Saturday, March 5, 16:00-17:30, Room Z**

Joint Session of the ESR and ESTRO

(European Society for Radiotherapy and Oncology)

MRI and MR/PET in radiation treatment planning - challenges and opportunities

LEVEL III

- » **Chairmen's introduction**
K. Riklund; Umeå/SE
V. Valentini; Rome/IT
- » **The benefit of high tesla MRI for radiation oncology planning**
U. van der Heide; Amsterdam/NL
- » **The challenge of in room MRI for treatment delivery**
N. Dinapoli; Rome/IT
- » **The benefit of MR/PET in radiation oncology**
U. Nestle; Freiburg/DE
- » **The challenge of using MR/PET in radiation oncology**
E.-M.B. Larsson; Uppsala/SE
- » **Discussion**

5 March **Saturday, March 5, 16:00-17:30, Room O**

Joint Session of the ESR, EFSUMB

(European Federation of Societies for Ultrasound in Medicine and Biology)

and ESPR (European Society of Paediatric Radiology)

Contrast enhanced ultrasound (CEUS) in paediatrics

LEVEL II

Moderators: M. Claudon; Vandoeuvre-les-Nancy/FR
C. Owens; London/UK

- » **Legal issues with CEUS in children**
P.S. Sidhu; London/UK
- » **CEUS of focal liver lesions in children**
M. Sellars; London/UK
- » **CEUS in blunt abdominal trauma in children**
A. Deganello; London/UK
- » **CEUS in vesical reflux in children**
C. Duran; Sabadell/ES
- » **CEUS in non-liver indications in paediatric patients**
C.F. Dietrich; Bad Mergentheim/DE

6 March **Sunday, March 6, 08:30-10:00, Room C**

Joint Session of the ESR and ESHI

(European Society for Hybrid Medical Imaging)

Medical hybrid imaging

LEVEL II

Chairpersons: K. Riklund; Umea/SE
L. Donoso Bach; Barcelona/ES

- » **Introduction**
L. Donoso Bach; Barcelona/ES
- » **The aims of the new society**
K. Riklund; Umea/SE
- » **Training of hybrid physicians**
G. Antoch; Düsseldorf/DE
- » **The beauty of physics in hybrid imaging**
T. Beyer; Vienna/AT
- » **Functional hybrid imaging: 1+1 = 3?**
O. Clément; Paris/FR
- » **Practical challenges of hybrid imaging in clinical practice**
O. Ratib; Geneva/CH
- » **Discussion**

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.

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Bayer HealthCare, Bayer Pharma, Bracco, GE Healthcare, Guerbet, HIMSS (Healthcare Information and Management Systems Society), Hologic, Mindray, Mint Medical, Philips, Samsung, Siemens Healthcare, SuperSonic Imagine, Toshiba Medical Systems

SATELLITE SYMPOSIA

BREAST CARE DAY

ORGANISED BY SIEMENS HEALTHCARE IN COOPERATION WITH BAYER HEALTHCARE

2 March Wednesday, March 2, 10:30–12:00, Studio 2016

Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

SY 1a Breast MRI: today and tomorrow

Moderator: G.M. Newstead; Chicago, IL/US

- » **Breast MRI: practical tips on performing, reading and reporting**
L. Umutlu; Essen/DE
- » **Abbreviated breast MRI: first post-contrast subtracted images and maximum-intensity projection - a novel approach to breast cancer screening with MRI**
C.K. Kuhl; Aachen/DE
- » **Perspectives in diffusion weighted breast imaging**
S. Bickelhaupt; Heidelberg/DE
- » **Optimising breast MRI using novel imaging strategies, dedicated reading protocols and computer aided diagnosis**
R.M. Mann; Nijmegen/NL

2 March Wednesday, March 2, 14:00–15:30, Studio 2016

Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

SY 1c Digital breast tomosynthesis out of the daily routine

Moderator: S. Zackrisson; Malmö/SE

- » **The role of the synthetic mammogram?**
C. Van Ongeval; Leuven/BE
- » **The challenge of reading breast tomosynthesis images**
K. Lang; Malmö/SE
- » **Influence of digital breast tomosynthesis on BI-RADS classification**
J. Barkhausen; Lübeck/DE
- » **Diagnostic performance of digital breast tomosynthesis in the detection and characterisation of microcalcifications**
M. Bernathova; Vienna/AT
- » **Evaluation of different approaches of tomosynthesis examinations**
L.J. Pina Insausti; Pamplona/ES

2 March Wednesday, March 2, 12:15–13:45, Studio 2016

Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

SY 1b Multimodality lunch symposium: breast screening controversies

Moderator: S.H. Heywang-Köbrunner; Munich/DE

- » **Breast screening controversies: viewpoint of the IARC**
S.H. Heywang-Köbrunner; Munich/DE
- » **Evaluation of virtual touch tissue imaging quantification (VTIQ - 2D-SWE) in the assessment of BI-RADS* 3 and 4 lesions: can patient selection for biopsy be improved?**
M. Golatta; Heidelberg/DE
- » **Is digital breast tomosynthesis ready for mammoscreening?**
S. Zackrisson; Malmö/SE
- » **Modern methods for MRI screening**
G.M. Newstead; Chicago, IL/US

2 March Wednesday, March 2, 16:00–17:00, Studio 2016

Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

SY 1d Multimodality discussion of clinical cases: breast imaging for therapy control

Moderator: C. Van Ongeval; Leuven/BE

- » **Breast MRI perspective**
E. Wenkel; Erlangen/DE
- » **Mammography/tomosynthesis perspective**
M. Bernathova; Vienna/AT
- » **Ultrasound perspective**
M. Golatta; Heidelberg/DE

SATELLITE SYMPOSIA

2
March

Wednesday, March 2, 12:30-13:30, Room O

Satellite Symposium organised by MINT Medical

SY 2 Structured reporting of tumour staging and response evaluation in clinical routine and research

Moderator: A.G. Rockall; London/UK

Programme to be announced

2
March

Wednesday, March 2, 12:30-13:30, Room N

Satellite Symposium organised by SuperSonic Imagine

SY 3 UltraFast™ imaging: a new paradigm for ultrasound diagnosis

Moderator: J. Souquet; Aix-en-Provence/FR

- » **Real-time ShearWave™ elastography: the high-end technique for non-invasive assessment and monitoring of chronic liver diseases**
M. Thiele; Odense/DK
- » **Clinical innovations improving breast cancer diagnosis**
F.K.W. Schäfer; Kiel/DE
- » **Advancements in ShearWave™ elastography for diagnosing prostate cancer**
V.V. Mitkov; Moscow/RU
- » **ANGIO PL.U.S PlaneWave UltraSensitive™ imaging, a significant advancement in microvascular imaging: clinical potential and future developments**
M. Tanter; Paris/FR

2
March

Wednesday, March 2, 12:30-13:30, Room L8

Satellite Symposium organised by Mindray

SY 4 New waves of ultrasound

Moderator: W. Luiten; Hoevelaken/NL

- » **The new generation of zone sonography technology**
N. Qiu; Shenzhen/CN
- » **Improved characterisation of focal liver lesions, the EFSUMB guidelines on contrast enhanced ultrasound**
C.F. Dietrich; Bad Mergentheim/DE
- » **Clinical impact of high resolution technologies in everyday ultrasound clinical practice**
F. Calliada; Pavia/IT

3
March

Thursday, March 3, 12:30-13:30, Room O

Satellite Symposium organised by Siemens Healthcare

SY 5

Programme to be announced

3
March

Thursday, March 3, 12:30-13:30, Room N

Satellite Symposium organised by Siemens Healthcare

SY 6 First clinical experiences with new Twin Robotic X-ray imaging

Moderator: A. Hebecker; Erlangen/DE

- » **The Multitom Rax - the new versatility in diagnostic imaging: experiences from the first installed system**
W. Wüst; Erlangen/DE
- » **Back to the future with 3D roentgenography: a travelogue of a journey into the third dimension and an outlook of what may lie ahead**
R.M. Benz; Basle/CH
- » **First experience with the Multitom Rax**
F. Jensen; Malmö/SE

3
March

Thursday, March 3, 12:30-13:30, Studio 2016

Satellite Symposium organised by GE Healthcare

SY 7 MRI takes a step forward in diagnostic confidence

- » **Keys to the future of MR**
I. Panagiotelis; Waukesha, WI/US
- » **4D flow MRI: from research to clinical application**
J.-F. Paul; Le Plessis Robinson/FR
- » **Emergent applications of MRI in oncology**
C. Dromain; Paris/FR

3
March

Thursday, March 3, 12:30-13:30, Room E1

Satellite Symposium organised by Bracco

SY 8 When efficacy meets efficiency and compliance

Moderator: M. Prokop; Nijmegen/NL

- » **High quality CT with minimal dose: how to achieve it**
A.J. Aschoff; Kempten/DE
- » **ALARA in a compliant world**
A. Torresin; Milan/IT
- » **Patient-centered CT protocols: clinical aspects and practical tips**
T. Albrecht; Berlin/DE

SATELLITE SYMPOSIA

3
March

Thursday, March 3, 12:30-13:30, Room K

Satellite Symposium organised by Toshiba

SY 9 Advanced neuro and vascular imaging at 1.5 and 3.0 Tesla

- » **Susceptibility weighted imaging: neuro, spine, retina, and sciatic nerve applications**
V. Citton; Belluno/IT
- » **Neuro MRI: clinical experience on the Toshiba Vantage Titan 3T iS Edition**
F. Barkhof; Amsterdam/NL
- » **Experiences with Titan 3T in neuro and vascular imaging**
A. Schilling; Frankfurt/DE

3
March

Thursday, March 3, 12:30-13:30, Room G

Satellite Symposium organised by Samsung

SY 10 Cutting-edge technology of SAMSUNG for diagnostic challenges

Moderator: J. Sunwoo; Seoul/KR

- » **Introduction to SAMSUNG's new technologies**
W. Spittle; Seoul/KR
- » **Clinical experience of new technologies in ultrasound**
V. Cantisani; Rome/IT
- » **New diagnostic tools for breast ultrasound: S-Detect and E-Breast**
S.M. Kim; Sungnam/KR

3
March

Thursday, March 3, 12:30-13:30, Room M 2

Satellite Symposium organised by Bayer Pharma

SY 11 Update and understanding on Gd deposits

Moderator: V. Runge; Berne/CH

- » **Gd deposits in preclinical perspective**
H. Pietsch; Berlin/DE
- » **What do we know from the clinical research?**
A. Radbruch; Heidelberg/DE

3
March

Thursday, March 3, 12:30-13:30, Room M 5

Satellite Symposium organised by Bayer HealthCare

SY 12 Dose registries: strength in numbers for quality management, DRLs and research

Moderator: M. Forsting; Essen/DE

- » **Concept and goals for the 1st patient-dose-register in Germany**
M. Forsting; Essen/DE
- » **Setting the course for practical DRLs: a regional dose registry in Switzerland**
S.T. Schindera; Basle/CH

4
March

Friday, March 4, 12:30-13:30, Room O

Satellite Symposium organised by Philips

SY 13

Programme to be announced

4
March

Friday, March 4, 12:30-13:30, Room N

Satellite Symposium organised by Siemens Healthcare

SY 14 Extending the boundaries of ultrasound

Moderator: C.F. Dietrich; Bad Mergentheim/DE

- » **The fortuitously discovered focal liver lesion**
C.F. Dietrich; Bad Mergentheim/DE
- » **Normal, fibrosis or cirrhosis? NICE guidelines on VTq assessment and cost-effectiveness**
P.S. Sidhu; London/UK
- » **The role of a new tissue strain analytics technology VTIQ together with contrast enhanced ultrasound in testicular lesions**
D.-A. Clevert; Munich/DE

4
March

Friday, March 4, 12:30-13:30, Studio 2016

Satellite Symposium organised by GE Healthcare

SY 15 Women's health imaging: advances in screening and diagnostic procedures

Moderator: L. Katz; Buc/FR

- » **DBT vs mammography in a randomised population-based screening trial: initial results**
P. Pattacini; Reggio Emilia/IT
- » **3D automated breast-ultrasound (ABUS) combined with digital mammography: a responsible approach for screening women with dense breasts**
L. Tabar; Falun/SE
- » **MRI for women with a high risk of breast cancer**
L. Martincich; Candiolo/IT

SATELLITE SYMPOSIA

4
March**Friday, March 4, 12:30-13:30, Room E1**

Satellite Symposium organised by Bracco

SY 16 Gadolinium contrast agent safety: facts and myths**Moderator:** R.C. Semelka; Chapel Hill, NC/US

- » **Acute adverse reactions: what accumulated evidence shows**
R.C. Semelka; Chapel Hill, NC/US
- » **Nephrogenic systemic fibrosis 10 years on: what conclusions can we draw?**
J.T. Heverhagen; Berne/CH
- » **Gadolinium deposition: what do we know and should we be concerned?**
C. Colosimo; Rome/IT
- » **GBCA Risk vs. Benefit: where do we stand?**
R.C. Semelka; Chapel Hill, NC/US

4
March**Friday, March 4, 12:30-13:30, Room F2**

Satellite Symposium jointly organised by Siemens Healthcare and Bayer HealthCare

SY 17 Synergies in CT for better patient care**Moderator:** J.E. Wildberger; Maastricht/NL

- » **Individualised contrast enhanced CT scans in clinical practice - challenges and solutions**
J.E. Wildberger; Maastricht/NL
- » **TwinBeam dual energy - clinical relevance in daily routine**
B. Jankharia; Mumbai/IN
- » **Latest news on dual source CT - imaging without compromises**
T.G. Flohr; Forchheim/DE

4
March**Friday, March 4, 12:30-13:30, Room K**

Satellite Symposium organised by Toshiba

SY 18 New tools for new horizons in ultrasound**Moderator:** D.O. Cosgrove; London/UK

- » **Advances in SMI and Shear Wave applications**
A.K.P. Lim; London/UK
- » **Interdisciplinary ultrasound: opening a comprehensive toolbox**
T. Fischer; Berlin/DE
- » **Fusion and navigation: where to go in interventional radiology**
J. Garnon; Strasbourg/FR

4
March**Friday, March 4, 12:30-13:30, Room G**

Satellite Symposium organised by Guerbet

SY 19 Brain gadolinium retention related to whole body multiple injections in MRI**Moderator:** A.J. van der Molen; Leiden/NL

Experts: M.M. Thurnher; Vienna/AT
T.H. Helbich; Vienna/AT
T. Leiner; Utrecht/NL

*This session will be in the form of a debate.*4
March**Friday, March 4, 12:30-13:30, Room M 3**

Satellite Symposium organised by HIMSS (Healthcare Information and Management Systems Society)

SY 20 Are you ready for digitisation? A maturity model for digital imaging**Moderators:** P. Mildemberger; Mainz/DE
J. Studzinski; Leipzig/DE

- » **Strategic relevance of IT support in radiology: new directions and developments**
E. Neri; Pisa/IT
- » **The digital imaging maturity model: an approach to measure and benchmark imaging departments and centers**
J. Studzinski; Leipzig/DE
- » **Lessons learned from using the digital imaging maturity model**
P. Mildemberger; Mainz/DE
- » **The digital maturity model in the context of enterprise-wide and regional strategy development**
A. Khelifa; Paris/FR

4
March**Friday, March 4, 14:00-15:30, Room C**

Satellite Symposium organised by Hologic

SY 21 High volume screening with 3D mammography**Moderators:** B. Martins; Brussels/BE
P. Skaane; Oslo/NO*Programme to be announced*

SATELLITE SYMPOSIA

4
March

Friday, March 4, 14:00-15:30, Room Z

Satellite Symposium organised by
Bayer HealthCare Russia

SY 22 Standards, guidelines and protocols improving diagnostic results in CT and MRI neuroimaging

Moderators: I.N. Pronin; Moscow/RU
I.E. Tyurin; Moscow/RU

- » **Introduction**
I.E. Tyurin; Moscow/RU
- » **Advances in contrast-enhanced MRI and CT of
the brain and spine including advanced imaging
techniques**
M. Essig; Winnipeg, MB/CA
- » **Recommendations, protocols and modern
technologies in neurooncology and neurotrauma**
I.N. Pronin; Moscow/RU
N. Zakharova; Moscow/RU
- » **Non-oncologic neuroimaging: standards, protocols
and recommendations**
V. Fokin; St. Petersburg/RU
- » **Remarks and conclusions**
I.N. Pronin; Moscow/RU
I.E. Tyurin; Moscow/RU

4
March

Friday, March 4, 14:00-15:30, Room O

Satellite Symposium organised by
GE Healthcare Russia

SY 23

Programme to be announced

4
March

Friday, March 4, 14:00-15:30, Room G

Satellite Symposium jointly organised by
Bracco and Bayer HealthCare

SY 24

Programme to be announced

4
March

Friday, March 4, 14:00-15:30, Room M 3

Satellite Symposium organised by HIMSS
(Healthcare Information and Management
Systems Society)

SY 25 Into the future: how deep learning technology will revolutionise radiology

Moderators: M. Forsting; Essen/DE
J. Studzinski; Leipzig/DE

- » **Machine learning in medical imaging:
the role of big data**
G. Langs; Vienna/AT
- » **Artificial intelligence**
B. van Ginneken; Nijmegen/NL
- » **The EU project "Cardio-Proof" - visual data science:
advancing science through visual reasoning**
N.N.

SATELLITE SYMPOSIA

5
March**Saturday, March 5, 12:30-13:30, Room C**

Satellite Symposium organised by GE Healthcare

SY 26 Latest patient centric innovations in CT imaging**Moderator:** O. Adda; Waukesha, WI/US

- » **Uncompromised emergency CT**
K.H. Nieboer; Brussels/BE
- » **Addressing challenging patients in cardiac imaging**
D. Andreini; Milan/IT
- » **Risk of AKI post contrast media injection: myth or reality?**
J.Å. Jakobsen; Oslo/NO

5
March**Saturday, March 5, 12:30-13:30, Room O**

Satellite Symposium organised by Philips

SY 27 Advances in mammography and tomosynthesis* through photon counting technology**Moderator:** C. Varian; Guildford/UK

- » **Photon counting technology for spectral mammography and tomosynthesis**
J. Rehn; Solna/SE
- » **Spectral tissue characterisation in mammography and tomosynthesis***
M.G. Wallis; Cambridge/UK
- » **Initial clinical experiences** using photon counting spectral tomosynthesis***
N.N.

* *Spectral tomosynthesis is work in progress*** *Clinical experiences are results of an ongoing clinical study and not yet from regular clinical use*5
March**Saturday, March 5, 12:30-13:30, Room N**

Satellite Symposium organised by Philips

SY 28 Exploring the diagnostic power of quantitative spectral CT in every patient**Moderator:** A. Vlassenbroek; Brussels/BE

- » **t.b.a.**
S. Abbara; Dallas, TX/US
- » **t.b.a.**
T. Leiner; Utrecht/NL

5
March**Saturday, March 5, 12:30-13:30, Studio 2016**

Satellite Symposium organised by Bracco

SY 29 The role of CEUS in liver imaging and patient monitoring**Moderator:** D.A. Clevert; Munich/DE

- » **CEUS in liver imaging: does it provide added value over CT and MRI?**
D.A. Clevert; Munich/DE
- » **Monitoring of imaging guided intervention**
F. Meloni; Milan/IT
- » **Monitoring of targeted chemotherapy with dynamic CEUS**
N. Lassau; Villejuif/FR

5
March**Saturday, March 5, 12:30-13:30, Room K**

Satellite Symposium organised by Toshiba

SY 30 Iterative reconstruction in daily clinical use**Moderator:** A. de Roos; Leiden/NL

- » **Various methods of iterative reconstruction**
H. Grundin
- » **How we use iterative reconstruction in daily routine**
K. Clough; West Yorkshire/UK
- » **The clinical benefits of iterative reconstruction**
O. Ghekiere; Liege/BE
- » **FIRST, the latest in iterative reconstruction**
A. Blum; Nancy/FR

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Programmes to be announced.

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