



ESCR 2015

EUROPEAN SOCIETY OF CARDIAC RADIOLOGY

Vienna / Austria



MEETING GUIDE

OCTOBER 8–10

Organised by ESCR
in cooperation with the
Austrian Society of Radiology (OERG)
www.escr.org



ESCR 2015

EUROPEAN SOCIETY OF CARDIAC RADIOLOGY

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Dear Members,

Dear Friends,

Dear Colleagues,

Welcome to the European Society of Cardiac Radiology.



Image guided diagnostics and therapy has grown over the last decades dramatically, especially in the field of cardiovascular imaging. Furthermore, increasing diversification in that field of cardiovascular imaging demands a high degree of specialization and continuous updating and training. Fully aware of this vital necessity the ESR and the ESCR have jointly reacted with various activities. It is the primary common objective to offer training and professional development as well as research opportunities for all European Radiologists in the field of cardiovascular imaging and image guided therapy.

Additionally, we want to sustainably support an interdisciplinary dialogue of all medical professionals working in the field of cardiovascular imaging. This is a basic requirement to keep the quality of cardiovascular imaging at its present high level. Moreover, all the new fascinating possibilities should be more widely rolled out across the EU.

The Cardiac MRCT-Registry is an additional milestone in this direction, which helps our members and our society to document and finally certify their manifold activities in imaging patients with cardiovascular diseases. With more than 45.000 submitted cases of Cardiac CT and MR examinations after only two years, it is becoming one of the world's largest databases in Cardiac Imaging.

With more than 1.100 active members our relatively young society (founded in the year 2000) is now the third largest subspeciality within the European Society of Radiology (ESR).

We invite you all to become a member of our society and to be an active part of it and the fascinating world of Cardiovascular Imaging.

Be very welcome to the ESCR 2015 Annual Meeting!



Matthias Gutberlet, Leipzig/DE

ESCR Society President

Dear attendees,

For the first time ESCR is visiting Austria for its Annual Meeting, and it is really a great pleasure and honor to welcome you on behalf of ESCR in Vienna!

Most of you might know Vienna already from ECR in March – but be sure: this fantastic city is beautiful even in October! After the very exciting meeting in Paris we promise to do our best to organize another “best-ever” event in Vienna!

Beside the beauty of the city we will provide an innovative scientific and educational state of the art program for all radiologists interested in cardiac radiology to proof our position as THE cardiac imaging society of Europe. Last year, ESCR started with the organization of case-based teaching courses in small groups to prepare for the European Diploma in Cardiac Radiology (EBCR).

Furthermore, we will try to offer intensified service to the young members of the society and the young researchers in Cardiac Radiology. We will open the newly invented “Science Corner” for the growing scientific Cardiac Radiological Community and will provide a platform to share ideas, problems and future projects.

Another new invention will be the organization of Pro-and Con Debate sessions allowing for (inter)active participation of the attendees via smartphone, tablets or other devices.

Main topics of the scientific as well as educational program will include – of course! – myocardial imaging, plaque imaging and valvular diseases. Furthermore, our cooperation with other societies will be intensified. As already introduced during the last meetings, there will be joint sessions with EuroCMR, ESTI, ASCI and NASCI in Vienna and will further underline the importance of our growing society in the European and International Scientific Network.

All the best, take care and thank you for your participation to ESCR 2015, October 8-10, in Vienna – it is my honor to welcome you here!

With my best wishes,



Christian Loewe, Vienna/AT

ESCR Meeting President Vienna 2015





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| E. Di Cesare, L'Aquila/IT | K. Nikolaou, Tübingen/DE |
| A. De Roos, Leiden/NL | L. Natale, Rome/IT |
| F. De Cobelli, Milan/IT | M. Oudkerk, Groningen/NL |
| M. Das, Maastricht/NL | J. F. Paul, Plessis-Robinson/FR |
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Congress Venue

LC Building, Library & Learning Centre of the Economical University of Vienna (WU)

Welthandelsplatz 1
1020 Vienna
Austria

Exhibition

The exhibition is located on the ground floor with the following opening hours:

Thursday, October 8, 2015.....14:00 – 19:00
Friday, October 9, 2015.....08:00 – 19:00
Saturday, October 10, 2015.....08:30 – 18:30

Registration Opening Hours Onsite

Wednesday, October 7, 2015 make appointment via office@escr.org

Thursday, October 8, 2015.....12:00 – 19:00
Friday, October 9, 2015.....07:00 – 19:00
Saturday, October 10, 2015.....07:30 – 17:00

Congress Registration Fees – Onsite Fees

ESCR Member* Fee.....€ 530.00
Non-Member Fee.....€ 590.00

Resident** Member* Fee.....€ 235.00
Resident** Non-Member Fee.....€ 290.00

Nurse, Technologist, Physicist**
Member* Fee.....€ 235.00
Nurse, Technologist, Physicist**
Non-Member Fee.....€ 290.00

Student Onsite Fee***.....€ 20.00

* Reduced Member Fees

Reduced congress fees for ESCR members are available only if the 2015 ESCR Membership fee has been paid by May 1, 2015.

** Resident, Nurse, Technologist, Physicist

Residents, nurses, technologists and physicists have to present a letter from their head of department, written on official hospital letter paper, confirming their status as such. The age limit for a registration as a resident is set at 35 years (incl. the age of 30).

*** Registration as Student

Registrations categorised as student are limited to students without any academic title and must be accompanied by a valid student ID. The general age limit for students as such is set at 30 years.

Badges and Safety

The safety of all congress delegates and participants is of utmost importance to the ESCR/ECR GmbH. Security measures and precautions at the ESCR 2015 venue have been tightened to ensure maximum security for all attendees. Badges must be worn visibly on the congress grounds at all times. The ESCR/ECR GmbH reserves the right for staff to check participants' identification upon admission to and/or inside the congress venue. Participants may at any time be requested to present adequate proof of identity, in the form of a passport, driver's license, national or military identification or student ID. Documents for the proof of identity must include a photograph and signature.

Certificate of Attendance

The Certificate of Attendance can be viewed and printed after the congress upon login into your MyUserArea at the ESCR website (www.escr.org). To enter your MyUserArea please use your last name in combination with your Personal ID from your congress badge

CME Accreditation

ESCR 2015 has been credited with 25 DFP points.

Disclaimer & Liability

The ESCR/ECR GmbH cannot accept any liability for the acts of the suppliers to this meeting or the attendees' safety while travelling to or from the congress. All participants are strongly advised to carry adequate travel and health insurance, as ESCR/ECR GmbH cannot accept liability for accidents or injuries that may occur. ESCR/ECR GmbH is not liable for personal injury and loss or damage of private property. Participants and the accompanying persons should obtain appropriate travel insurance.

Mobile Phones

Please do not forget to switch off your mobile phones before entering any of the lecture rooms.

Name Changes

Name changes will be treated like the cancellation of the registration and a new registration of the other participant.

Organising Secretariat

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AUSTRIA

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Onsite Payment

Onsite payment can only be made by credit card (Visa or Euro/MasterCard) or in cash (Euro). Please understand that no other payment facilities like cheques etc. will be accepted.

Publication

Abstracts of the ESCR Annual Scientific Meeting 2015 will be published online, accessible within the ESCR MyUserArea upon a valid ESCR membership.

Abstracts of Oral Presentations - ESCR Papers
DOI:10.3205/ESCR.2015.AOP

Abstracts of Poster Presentations - EPOS™
DOI:10.3205/ESCR.2015.APP

Recording

Video- or audio-recording of any sessions or presentations is not allowed without the speaker's /organiser's prior written permission.

Smoking

The ESCR Annual Scientific Meeting 2015 is a non-smoking congress. We therefore kindly ask all attendees to smoke outside the congress area only.

EPOS™

ESCR 2015 is using the EPOS™ system, Electronic Presentation Online System, the electronic format of the scientific exhibition developed by the European Congress of Radiology (ECR).

EPOS™ offers a much greater flexibility than traditional scientific exhibits and provides better options for scientific communication.

EPOS™ Area

Several workstations are available in the EPOS™ Area at which the current electronic exhibits can be viewed by the congress participants during the congress. All ESCR electronic posters will be accessible online after the congress in the ESCR MyUserArea.

EPOS™ Highlighted Poster Presentations

Selected electronic exhibits will be presented by their authors within a brief presentation during the EPOS™ Highlighted Poster Presentations Session. In addition, audience questions will be answered.

CI Examination & EBCR Diploma

Cardiac Imaging Examination*

Saturday, October 10, 2015

Group 1: 12:30-13:00

Group 2: 13:00-13:30

Room: Gallery

EBCR Written Examination*

Saturday, October 10, 2015

14:00

Room: Gallery

EBCR Oral Examination*

Saturday, October 10, 2015

15:00

Room: Gallery

In order to participate in the CI examination, please ask at the registration if there are still places available. The examination fee of EUR 20.00 has to be paid at the registration at least 2 hours before the examination.

*All examinations follow a strict time schedule. Please make sure to be present in the room 10 minutes before your scheduled examination starting time. Always double check your examination schedule when picking up your badge at Registration desk.

Wifi

Free wireless LAN access is available throughout the congress venue.

Future Meeting Desk

This area- located in the exhibition area- offers you an overview of future meetings in the field of radiology and related disciplines, from all over the world. Feel free to contribute flyers and posters to promote your own meetings and courses.

Media Center

Speakers are reminded to check in at the Media Center at least two hours prior to their scheduled presentation. Workstations and trained staff will be at the speakers' disposal. Please note that the Media Center should not be used to prepare your entire presentation and that due to the large number of speakers the workstations are only available for minor editing.

Speaker Guidelines

- You are kindly requested to submit your presentation two hours before your session starts at the latest (USB sticks are recommended).
- All presentations have to be uploaded to the conference IT-system. No personal computer will be accepted for presentation.
- Please be at the lecture room at the latest five minutes prior to the start of your session and identify yourself to the chairpersons.
- Kindly observe your presentation time. Exceeding the time limit will not be accepted and the chairpersons are requested to stop presentations in such cases.

ATTENTION TO ALL SATURDAY SPEAKERS:
Due to technical schedules, all speakers with sessions on Saturday must upload their presentations before Saturday, October 10, at 12:00.



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Industry Symposium Attendance

Attendees of any industry symposium agree that their registration details will be forwarded to the company organising that symposium. This agreement may be cancelled at any time by writing to the ESCR Office.

Please, out of respect to the Industry, do not leave the room before the session ends.

List of Congress Sponsors

Bayer Healthcare
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B.E. Imaging
Circle Cardiovascular Imaging
GE Healthcare
Guerbet
Medtronic
Medis Medical Imaging Systems
Menges Medizintechnik
Siemens

Scientific Presentations Awards

The authors of the best presentation, scientific papers and scientific/educational posters will be presented with a certificate on occasion of the ESCR Awards.

Poster Prize: Best scientific/educational poster presentation will get a free ESCR 2016 registration.

Presentation Prize: Best presentation will get a free ESCR 2016 registration.

What to do in Vienna

By Barbara Cação, Vienna Unwrapped

If you visit my home city for three days with limited time for sightseeing, setting up your itinerary is a tough call (unless you are hooked on coral reefs). Start with your personal preferences, mixing and matching some of the 12 experiences below that suit you.

CLASSIC LOVERS

Go big on Baroque

You are heading for a city that is packed with ornate town palaces and squiggly churches, and boasts three excellent baroque gardens. Most of Vienna's top landmarks are baroque. Reserve half a day for Schönbrunn Palace and its gardens, the summer residence of the Habsburg Emperors. Belvedere Palace houses Austria's National Gallery. Insider tip: Prince Eugene of Savoy's almost intimate and recently renovated winter palace in Himmelpfortgasse. As for churches, visit St. Charles Borromeo (Karlskirche), Universitätskirche and Schottenkirche.

Spend a night at the Opera

October nights conjure drama at the Vienna State Opera and popular Wiener Volksoper. During your visit you can watch Puccini's *Madame Butterfly*, Verdi's *Macbeth* and Bizet's *Carmen*. Tip: Join a guided Vienna State Opera tour during the day. Follow a local tradition and have a Vienna sausage at a local stand or Hotel Sacher's Sacher Eck after the opera.

Listen to music (with or without horses)

There are around 30 concerts in Vienna every day. Even if you don't manage to see the Vienna Philharmonic Orchestra in action, there are a few good quality concerts performed by top orchestras taking place during your stay. The most popular venues are Musikverein and Konzerthaus. To get the

full classical experience of old world Vienna, join a Morning Exercise of the Lippizzaners at the Spanish Riding School, and a concert of the Vienna choir boys in their sailor suits. Make sure you don't fall into a tourist-only concert (avoid musicians with Mozart wigs and concert-dinner packages). Click for my shortlist of the best Vienna concerts. (<http://www.vienna-unwrapped.com/vienna-concerts/>).

ART LOVERS AND HEDONISTS

Indulge in art

There are three types of art to see in Vienna that I strongly recommend: The classical renaissance and baroque paintings and objects of the world renowned Museum of Fine Art (Kunsthistorisches Museum). My personal highlight there is *Kunst-kammer*, the Habsburgs' cabinet of curiosities and fine objects. The second is Art Nouveau, such as the Gustav Klimt collection at Belvedere Palace, the largest of its kind world-wide; the Beethoven Frieze at the Vienna Secession; and the Vienna 1900 collections at Leopold Museum and the Museum of Applied Arts / Contemporary Art (MAK). And then there is the fabulous Modernist / Art Nouveau art of Otto Wagner (see his houses at Linke Wienzeile and the Austrian Postal Savings Bank) and the fabulous arts and crafts association of Wiener Werkstätte (see archive at MAK).

Soak up local coffeehouse culture

Our coffeehouse culture needs to be thoroughly inspected. It is recognised as an immaterial UNESCO World Heritage: the coffeehouse furniture, the newspaper holders, the glass of water you receive with your coffee. While the coffee of our top cafés is of consistently good quality, some places distinguish themselves by their offer of cakes, and live piano music.

My personal best for cakes is Café Diglas, best for atmosphere: Café Central and Café Hawelka, best for piano music: Café Diglas (again, can't help it).

Get pampered with chocolate

If you love chocolate but fear the calories of its by-products, wrap yourself in chocolate. Legendary Hotel Sacher offers various chocolate treatments in its wellness area, such as a chocolate body mask and a cacao bean peeling. More info. (<http://www.sacher.com/hotel-sacher-vienna/sacher-spa/time-to-chocolate/>)

SPORT AFICIONADOS

Do sight-jogging

Do you miss your regular jogging during your trips? If you have a full day of sessions ahead you may like the idea of sight jogging before or after your conference. There are qualified running guides who take you on a one-hour private tour past great sights and landmarks. You determine the speed and what you'd like to see. Sight Jogging is available between 6am and 10pm. My tip: Jog along Ringstrasse boulevard and then into the historic centre. Read more. (<http://www.vienna-alacarte.com/Private-Vienna-Sightjogging-Tour>)

Climb 137 metres and 343 steps

St. Stephen's Cathedral (Stephansdom) is Vienna's epicentre and key landmark. Climb up the South Tower in 343 steps for a grand view of the city centre and the cathedral's stunning colourful glazed roof tiles. On clear days, you can even see Schönbrunn Palace. The staircase is quite narrow.

Tour Vienna by bike

Vienna is largely flat and its network of bike paths covers more than 1,050 kilometres. Expect at least two dozen historic sights to cross your way along those paths. You can rent city bikes or premium bikes (with front suspension and 21 gears) from a local bike rental firm and tour operator. Alternatively join a guided bike tour for easy sightseeing.

SHOPPING ENTHUSIASTS

Explore luxury brands in Vienna

Are you from Paris, London or New York? Until a few years ago, you would have laughed about the size and variety of our international luxury brand stores. Not least since the Golden Quarter shopping mall opened last year you can be serious about fashion and jewellery brands, from Armani, Cartier, Hermes and Louis Vuitton to Prada, Tiffany and Vivienne Westwood. Best shopping streets: Graben, Kohlmarkt and Tuchlauben. Best department store: Steffl.

Shop for austrian fashion, jewellery and homeware accessories

Vienna has pushed way beyond its traditional shopping image of 'Gretel style' dirndl dresses and white porcelain horses. Classical souvenir evergreens have become more refined, while traditional brands such as Mühlbauer headwear and Riess enamel cookware have celebrated international success. Best for sophisticated folkwear: Gössl; Best for homeware: Augarten porcelain; Best for jewellery: Frey-Wille and Skrein; Best for design: MAK Design Shop.

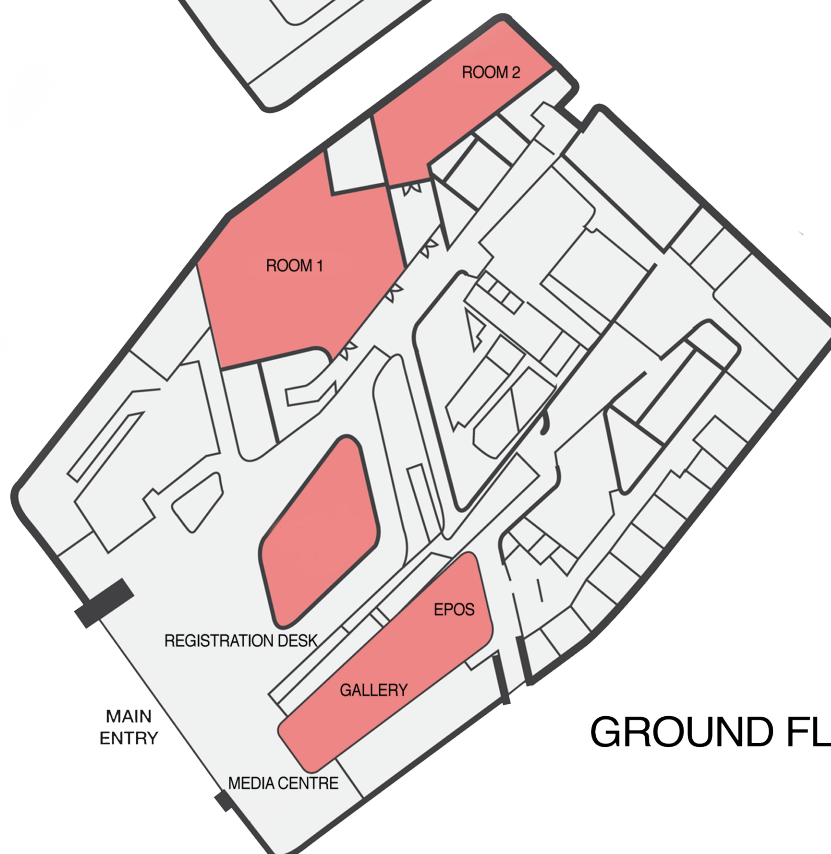
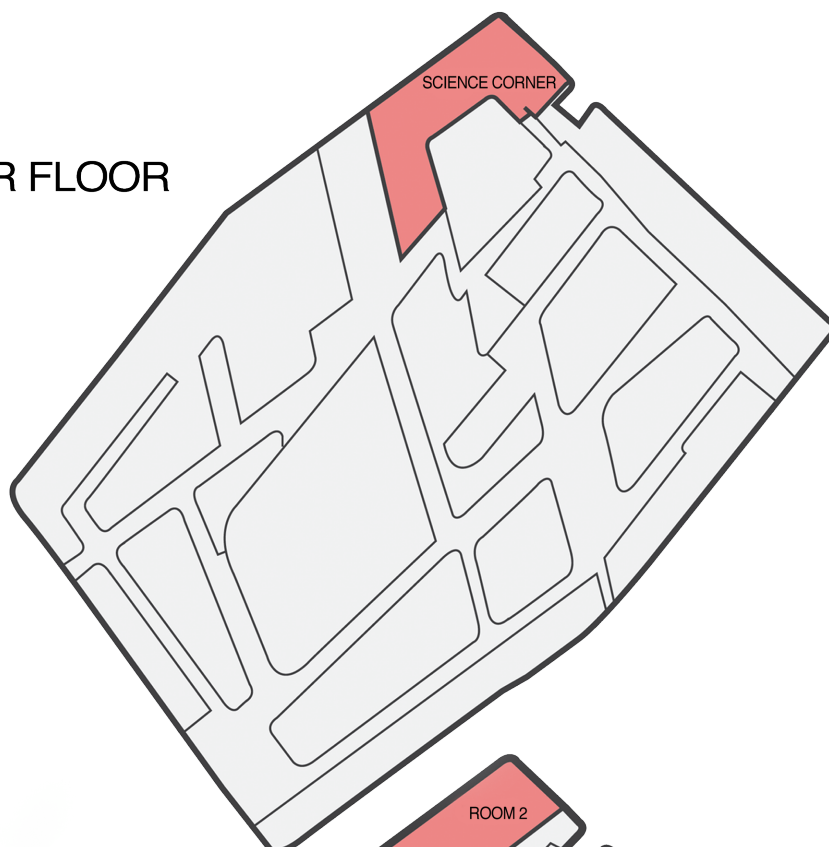
Join an Insider Shopping Tour

If you love vintage shops, little delis, local designer boutiques and quirky gift shops, hire an expert. The best stores are outside the city centre and don't usually jump on you. I went on a shopping tour recently with a local shopping enthusiast – we definitely shared a passion.

Enjoy Vienna!



UPPER FLOOR



GROUND FLOOR

PROGRAMME, THURSDAY, OCTOBER 8, 2015

Time	Room 1	Room 2	Science Corner
14:00	OPENING SESSION T1 and ECV mapping: Problem solving or problem causing?		
15:00	EDUCATIONAL SESSION: ESCR meets ASCI Coronary stenosis quantification and beyond	CONTROVERSIES IN CARDIAC IMAGING MR Late enhancement: What is it and what is it not?	PROFFERED PAPERS SESSION 1 Imaging in valvular disease
16:00	MEDTRONIC AFTERNOON SYMPOSIUM		
17:00	STATE OF THE ART SESSION Imaging in TAVI	EDUCATIONAL SESSION Stress testing: How to?	SCIENCE CORNER How to get published
18:00	GO ACROSS THE (GUIDE)LINES Myocarditis	STATE OF THE ART SESSION Preclinical cardiac imaging	PROFFERED PAPERS SESSION 2 CT in abnormal heart rate and CT contrast
19:00			

SCIENTIFIC SESSIONS

EDUCATIONAL SESSIONS

ABSTRACT SESSIONS

SCIENCE CORNER

INDUSTRY SYMPOSIUM

PROGRAMME, FRIDAY, OCTOBER 9, 2015

Time	Room 1	Room 2	Science Corner
08:00	EDUCATIONAL SESSION: ESCR meets Poland Cardiac imaging in Poland	STATE OF THE ART SESSION T1 and T2 mapping (with EuroCMR)	PROFFERED PAPERS SESSION 3 Myocardial tissue characterisation
09:00	STATE OF THE ART SESSION Cost effectiveness in CAD	EDUCATIONAL SESSION Case readings of MRI and CT in rare and/or specific diseases	PROFFERED PAPERS SESSION 4 New imaging methods for cardiac volume and function
10:30	BRACCO MORNING SYMPOSIUM		
11:30	EDUCATIONAL SESSION Is my imaging practice for CAD up to date?	STATE OF THE ART SESSION Large scale imaging studies in Europe	
12:45	GE HEALTHCARE LUNCH SYMPOSIUM		
14:00	STATE OF THE ART SESSION Acute coronary syndrome: Is there a place for imaging?	EDUCATIONAL SESSION Guidance of electrophysiological procedures	SCIENCE CORNER How to prepare a manuscript: EJR
15:15	EDUCATIONAL SESSION Where the heart meets the lung (with ESTI)	STATE OF THE ART SESSION Myocardial Imaging	SCIENCE CORNER How to Peer review an article
16:30	COFFEE BREAK		
17:00	STATE OF THE ART SESSION Plaque imaging: Still just research field?	QUIZ Diagnosis Live	PROFFERED PAPERS SESSION 5 Myocardial ischemia and infarction
18:30			

PROGRAMME, SATURDAY, OCTOBER 10, 2015

Time	Room 1	Room 2	Science Corner
08:15	GENERAL ASSEMBLY		
08:45	STATE OF THE ART: ESCR meets NASCI Developments in indications of cardiac CT	EDUCATIONAL SESSION Case readings in myocardial ischemia testing	PROFFERED PAPERS SESSION 6 Myocardial mapping techniques
09:45	GO ACROSS THE (GUIDE)LINES Non invasive testing of CAD in women	STATE OF THE ART SESSION Interventions around the left atrium	SCIENCE CORNER How to be the speaker everybody wants you to be
10:45	COFFEE BREAK		
11:15	GO ACROSS THE (GUIDE)LINES Aortic disease	CONTROVERSIES IN CARDIAC IMAGING Valve pathology - indication for CT and/or MR?	EPOS HIGHLIGHTED SESSION
12:40	COFFEE BREAK		
12:45	SIEMENS LUNCH SYMPOSIUM		
13:50	COFFEE BREAK		
14:00	STATE OF THE ART SESSION Hot topics	EDUCATIONAL SESSION CAD Imaging after myocardial infarction intervention	PROFFERED PAPERS SESSION 7 Early detection of coronary artery disease
15:15	EDUCATIONAL SESSION Diastolic heart failure	EDUCATIONAL SESSION Pitfalls in cardiac imaging	SCIENCE CORNER Research data handling: How to deal with big data?
16:30	COFFEE BREAK		
16:45	CONTROVERSIES IN CARDIAC IMAGING Triple rule out	PRACTICE SESSION Cardiac MR Imaging and Safety	SCIENCE CORNER How to be the speaker everybody wants you to be
17:45	CLOSING SESSION		
18:15			

Industry symposium

THURSDAY, OCTOBER 8, 2015

16:00 – 17:00

INDUSTRY SYMPOSIUM

ROOM 1

Medtronic

MEDTRONIC

MRI scanning of patients with an implantable cardiac device

Chair: Ch. Loewe, Vienna/AT
J. Schwitter, Lausanne/CH

MRI conditional devices: Need, design, testing and clinical evidence

G. Pontone, Milan/IT

How to optimize the workflow between device and imaging specialists

G. Berchier, Lausanne/CH

Quality of imaging

T. Sommer, Neuwied/DE

Panel discussion

FRIDAY, OCTOBER 9, 2015

10:30 – 11:30

INDUSTRY SYMPOSIUM

ROOM 1



BRACCO

Reducing radiation exposure in Cardiac CT: The value of High Concentration Contrast Media

Chair: K. Nikolaou/ Tübingen/DE

Integrating highly concentrated contrast media into a 3rd generation dual source cardiovascular CT workflow

H. Haubenreisser, Mannheim/DE

Dose optimization using high concentration contrast media in cardiac CTI

I. Carbone, Rome/IT

FRIDAY, OCTOBER 9, 2015

12:45 – 13:45

INDUSTRY SYMPOSIUM

ROOM 1

GE Healthcare



GE HEALTHCARE

Latest patient centric innovations in cardiac imaging

Chair: G. Pontone, Milan/IT

The value of Visipaque™ (iodixanol) in cardiac CT Angiography

F. Wolf, Vienna/AT

CT cardiac imaging: A revolution in patient management

D. Mandry, Nancy/FR

The growing role of cardiac MR in the patient pathway

L. Macron, Paris/FR

» Industry symposium

SATURDAY, OCTOBER 10, 2015

12:45 – 13:45

INDUSTRY SYMPOSIUM

ROOM 1

SIEMENS

SIEMENS

Cardiac Imaging in the age of value based healthcare – acute chest pain

Acute chest pain – clinical and economic challenges

F. Fuchs, Erlanden/DE

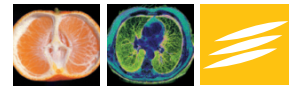
How CT improves differential diagnosis of unclear chest pain

M. Das, Maastricht/NL

How CMR improves differential diagnosis of unclear chest pain

Ch. Peebles, Southampton/UK

Panel discussion



XENETIX®

Iobitridol

Flow
of contrast



Guerbet



Contrast for Life

Xenetix® 350, solution for injection (350 mgI/ml) ; **Xenetix® 300**, solution for injection (300 mgI/ml) ; **Xenetix® 250**, solution for injection (250 mgI/ml) — **Composition per 100 ml** : **Xenetix® 350** : 76.78 g of iobitridol (corresponding to 35 g of iodine), **Xenetix® 300** : 65.81 g of iobitridol (corresponding to 30 g of iodine), **Xenetix® 250**: 54.84 g of iobitridol (corresponding to 25 g of iodine) — **Indications (**)**: this product is for diagnostic use only. **Contrast agent for use in**: **Xenetix® 350** intravenous urography, computed tomography, intravenous digital subtraction angiography, arteriography, angiocardiology — **Xenetix® 300**: intravenous urography, computed tomography, intravenous digital subtraction angiography, arteriography, angiocardiology, endoscopic retrograde cholangiopancreatography, arthrography, hysterosalpingography — **Xenetix® 250**: phlebography, computed tomography, intra-arterial digital subtraction angiography, endoscopic retrograde cholangiopancreatography — **Posology and method of administration (*)**: the doses should be adapted to the examination and the territories intended to be opacified, as well as to the weight and renal function of the subject, particularly in children — **Contraindications(*)**: hypersensitivity to iobitridol or any of the excipients, history of major immediate or delayed skin reaction (see undesirable effects) to Xenetix®, manifest thyrotoxicosis, hysterosalpingography during pregnancy. — **General comments for all iodinated contrast agents (*)**: in the absence of specific studies, myelography is not an indication for Xenetix®. All iodinated contrast media can cause minor or major reactions that can be life-threatening. They may occur immediately (within 60 minutes) or be delayed (within 7 days) and are often unpredictable. Because of the risk of major reactions, emergency resuscitation equipment should be available for immediate use. — **Precautions for use(*)**: intolerance to iodinated contrast agents, renal insufficiency, hepatic insufficiency, asthma, dysthyroidism, cardiovascular diseases, central nervous system disorders, pheochromocytoma, myasthenia: **Interaction with other medicinal products and other forms of interaction(*)** — beta-blocker substances, diuretics, metformin, radiopharmaceuticals, interleukin II — **Fertility, pregnancy and lactation (*)** — **Undesirable effects(*)**: hypersensitivity, anaphylactic reaction, anaphylactoid reaction, anaphylactic shock, angioedema, urticaria, erythema, pruritus, eczema, acute generalized exanthematous pustulosis, Stevens-Johnson syndrome, Lyell's syndrome, maculopapulous exanthema, bronchospasm, laryngospasm, laryngeal oedema, dyspnoea, sneezing, cough, tightness in throat, nausea, vomiting, abdominal pain, agitation, headache, vertigo, hearing impaired, presyncope, tremor, paresthesia, somnolence, convulsions, confusion, visual disorders, amnesia, photophobia, transient blindness, coma, feeling hot, facial oedema, malaise, chills, tachycardia, arrhythmia, ventricular fibrillation, hypotension, circulatory collapse, hypertension, angina pectoris, myocardial infarction, cardiac arrest, torsades de pointes, coronary arteriospasm, respiratory arrest, pulmonary edema, thyroid disorder, acute renal failure, anuria, blood creatinine increased, injection site pain, inflammation, oedema, necrosis following extravasation. — **Overdose (*)** — **Pharmacodynamic properties (*)**: Pharmacotherapeutic group: Water-soluble, contrast medium with low osmolality; ATC code: V08AB11. **Presentation (**)**: **Xenetix 250**: 50 ml, 100 ml, 200 ml or 500 ml glass vials, **Xenetix 300/350**: 20 ml, 50 ml, 60 ml, 75 ml, 100 ml, 150 ml, 200 ml or 500 ml glass vials and 100 ml, 150 ml, 200 ml or 500 ml polypropylene bags. **Marketing authorisation holder (*)**: Guerbet - BP 57400 - F-95943 Roissy CdG cedex — FRANCE. **Information**: tel: 33 (0) 1 45 91 50 00. **Revision**: September 2015.

(*) For complete information please refer to the local Summary of Product Characteristics.

(**) Indications, volumes and presentations may differ from country to country.

Reporting of suspected adverse reactions is important as it helps to continuously assess the benefit-risk balance. Therefore, Guerbet encourages you to report any adverse reactions to your health authorities or to our local Guerbet representative.

THURSDAY, OCTOBER 8, 2015

14:00 – 15:00 OPENING SESSION ROOM 1

T1 and ECV mapping: Problem solving or problem causing?

Chair: M. Gutberlet, Leipzig/DE

Ch. Loewe, Vienna/AT

T1/ECV mapping: The evidence so far

J. Moon, London/UK

T1/ECV mapping: Ready for implementation?

M. Oudkerk, Groningen/NL

Discussion

15:00 – 16:00 EDUCATIONAL SESSION: ESCR meets ASCI ROOM 1

Coronary stenosis quantification and beyond

Chair: J. Bremerich, Basel/CH

Y. H. Choe, Sooncheon/KR

CAG: Still the gold standard for stenosis detection?

S. Cheung, Hong Kong/HK

Stenosis detection and quantification by CT

T. Kido, Toon/JP

How important is stenosis quantification in reality?

A. Zhang, Shanghai/CN

15:00 – 16:00 CONTROVERSIES IN CARDIAC IMAGING ROOM 2

MR Late enhancement: What is it - and what is it not?

Chair: M. Francone, Rome/IT

N. Kachenoura, Paris/FR

Can we trust the images? The technique matters

U. Reiter, Graz/AT

Pitfalls in LGE interpretation

L. Natale, Rome/IT

How to quantify LGE

T. Leiner, Utrecht/NL

15:00 – 16:00

PROFFERED PAPERS SESSION 1

Science Corner

Imaging in valvular disease

Chair: R. Salgado, Edegem/BE
M. Grothoff, Leipzig/DE

15:00 101

The influence of cardiac phases and different measuring methods on the assessment of aortic annulus diameters by computed tomography prior to TAVI
Y. Yang, Mainz/DE

15:10 102

Assessment of prosthetic heart valves by 18F-FDG PET/CT in patients without any suspicion of endocarditis
L. E. Swart, Rotterdam/NL

15:20 103

Medium-term biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: A cardiac magnetic resonance (CMR) evaluation
P. M. Cannao, Milan/IT

15:30 104

Remote CMR 4D Flow Quantification of Pulmonary Valve Regurgitation
R. G. Saru-Chelu, Rotterdam/NL

15:40 105

MRI-based analysis of Mitral Valve morphology and dynamics in normal and degenerative prolapse patients
G. Puppini, Verona/IT

15:50 106

Uniform Four Chamber MDCT Contrast Opacification in Patients with Atrial Septal Defect
M. Ayub, Lahore/PK

16:00 – 17:00

INDUSTRY SYMPOSIUM

ROOM 1

Medtronic

MEDTRONIC

MRI scanning of patients with an implantable cardiac device

Chair: Ch. Loewe, Vienna/AT
J. Schwitter, Lausanne/CH

MRI conditional devices: Need, design, testing and clinical evidence

G. Pontone, Milan/IT

How to optimize the workflow between device and imaging specialists

G. Berchier, Lausanne/CH

Quality of imaging

T. Sommer, Neuwied/DE

Panel discussion

17:00 – 18:00

STATE OF THE ART SESSION

ROOM 1

Imaging in TAVI

Chair: R. Salgado, Edegem/BE
K. Nikolaou, Tübingen/DE

Evidence/Indications

W. Wissner, Vienna/AT

Imaging for TAVI planning

F. Wolf, Vienna/AT

Imaging in normal follow up and in complications

G. Feuchtner, Innsbruck/AT

17:00 – 18:00

EDUCATIONAL SESSION

ROOM 2

Stress testing: How to?

Chair: M. Hacker, Vienna/AT
N. Prakken, Groningen/NL

Physiological and pharmacological principles of stress testing

M. Rees, Gwynedd/UK

MRI stress perfusion

M. Gutberlet, Leipzig/DE

CT stress perfusion

G. Pontone, Milan/IT

17:00 – 18:00

SCIENCE CORNER

Science Corner

How to get published

Chair: J. Blickman, Rochester/US

The american (editorial) perspective

A. De Roos, Leiden/NL

The european (editorial) perspective

M. Reiser, Munich/DE

Audience participation

18:00 – 19:00 **GO ACROSS THE (GUIDE)LINES** **ROOM 1**

Myocarditis

Chair: L. Natale, Rome/IT
A. De Roos, Leiden/NL

Current guidelines

M. Francone, Rome/IT

Challenges in clinical diagnosis of myocarditis

S. Graf, Vienna/AT

Update on role of imaging in myocarditis

M. Grothoff, Leipzig/DE

Discussion: Is it time for (updated) guidelines?

18:00 – 19:00 **STATE OF THE ART SESSION** **ROOM 2**

Preclinical cardiac imaging

Chair: N. Kachenoura, Paris/FR
F. de Cobelli, Milan/IT

Animal imaging using high field MR*

A. Esposito, Milan/IT

High resolution MRI histology of cardiac tissue

S. Kusmia, Paris/FR

CT imaging of phantoms and animals

T. Henzler, Mannheim/DE

18:00 – 19:00 **PROFFERED PAPERS SESSION 2** **Science Corner**

CT in abnormal heart rate and CT contrast

Chair: J. Lotz, Goettingen/DE
Ch. Peebles, Southampton/UK

18:00 107 **How to reduce time of procedure (TOP) in the radiofrequency ablation of ventricular tachycardia (VT): The use of CT merged with electroanatomic mapping (EAM) as ablation guide**
C. Colantoni, Milan/IT

18:10 108 **Submillisievert computed tomography with model-based iterative reconstruction before pulmonary veins radiofrequency catheter ablation of atrial fibrillation**
G. Pontone, Milan/IT



ESCR 2015

EUROPEAN SOCIETY OF CARDIAC RADIOLOGY

EUROPEAN SOCIETY OF CARDIAC RADIOLOGY / VIENNA, AUSTRIA / MEETING GUIDE

- | | | |
|-------|-----|---|
| 18:20 | 109 | Feasibility, Image Quality and Radiation Dose of Coronary CT Angiography (CCTA) in patients with atrial fibrillation using a new generation 256 Multi-Detector CT (MDCT)
L. Macron, Paris/FR |
| 18:30 | 110 | Comparison of Coronary CT Angiography (CCTA) for patients with high heart rates using a new generation 256 Multi-Detector CT (MDCT) and a 64-MDCT: Image quality and radiation dose
L. Macron, Paris/FR |
| 18:40 | 111 | Effects on patient comfort using different iodine concentrations injected with different flow rates during coronary CT angiography
M. Kok, Maastricht/NL |

» Thursday, October 8, 2015

FRIDAY, OCTOBER 9, 2015

08:00 – 09:00 EDUCATIONAL SESSION: ESCR meets Poland ROOM 1

Cardiac imaging in Poland

Chair: M. Gutberlet, Leipzig/DE
K. Gruszczynska, Katowice/PL

Cardiac Imaging in Poland - Something new since Roentgen

K. Gruszczynska, Katowice/PL

Coro CT from the Heart of Poland

M. Furmanek, Warsaw/PL

Little Hearts, big problems: Imaging heart disease in Silesian children

J. Glowacki, Zabrze/PL

The magic heart beat: Cardiac magnetic resonance imaging in Cracow

K. Miszalski-Jamka, Zabrze/PL

08:00 – 09:00 STATE OF THE ART SESSION ROOM 2

T1 and T2 mapping (with EuroCMR)

Chair: J. Moon, London/UK
J. Bremerich, Basle/CH

Technique T1 and ECV mapping

N. Kachenoura, Paris/FR

T2 mapping or T2 weighted imaging for myocardial inflammation?

A. Jacquier, Marseille/FR

How can T1 mapping help in cardiomyopathy?

J. Moon, London/UK

08:00 – 09:00 PROFFERED PAPERS SESSION 3 Science Corner

Myocardial tissue characterisation

Chair: F. De Cobelli, Milan/IT
A. Madureira, Porto/PT

08:00 201

Detection of diffuse myocardial fibrosis in patient with diabetes mellitus type-II (DM-II) by Cardiac Magnetic Resonance T1 mapping technique: Preliminary results

N. Galea, Rome/IT

- 08:10 202 **Magnetic resonance feature tracking derived myocardial strain parameters: A new role for the “forgotten” right ventricle in the diagnosis of acute myocarditis?**
B. Baessler, Cologne/DE
- 08:20 203 **Quantification of LV Global Longitudinal and Circumferential Strain in Cine MRI: Deformable Registration Analysis and Feature Tracking Algorithms in Comparison to Speckle-Tracking**
M. Lamacie, Toronto/CA
- 08:30 204 **CMR in symptomatic patients with Systemic Sclerosis: Correlation with clinical characteristics and arrhythmic burden**
A. Meduri, Rome/IT
- 08:40 205 **Prognostic value of late enhancement in cardiac magnetic resonance in patients with dilated cardiomyopathy**
M. Ali, San Donato Milanese/IT
- 08:50 206 **Correlation between left ventricular insertion points delayed enhancement and right ventricular dilation with cardiac magnetic resonance in patients with congenital heart disease**
P. M. Cannao, Milan/IT

09:00 – 10:15

STATE OF THE ART SESSION

ROOM 1

Cost effectiveness in CAD

Chair: S. Harden, Southampton/UK
S. Elias-Smale, Rotterdam/NL

Diagnostic tests in CAD: How about cost effectiveness?

R. Vliegenthart, Groningen/NL

CT should be the first step in CAD imaging

V. Sinitsyn, Moscow/RU

SPECT should be the first step in CAD imaging

M. Hacker, Vienna/AT

MRI should be the first step in CAD imaging

J. Lotz, Göttingen/NL

Discussion: What knowledge is needed to optimize clinical algorithms?

09:00 – 10:15

EDUCATIONAL SESSION

ROOM 2

Case readings of MRI and CT in rare and/or specific diseases

Chair: A. Kallifatidis, Thessaloniki/GR
K. F. Kreitner, Mainz/DE

Lymphoma

B. Velthuis, Utrecht/NL

Sarcoidosis

A. Madureira, Porto/PT

Amyloidosis

G. Kirova, Sofia/BG

Thalassemia

A. Pepe, Pisa/IT

Fabry

M. Gardarsdottir, Reykjavik/IS

09:00 – 10:15

PROFFERED PAPERS SESSION 4

Science Corner

New imaging methods for cardiac volume and function

Chair: A. Jacquier, Marseille/FR
P. Donato, Coimbra/PT

09:00 207

Utility of three-dimensional steady-state free precession whole-heart MRI in the assessment of coronary artery anatomy with and without contrast application in children

Q. Shen, Shanghai/CN

09:10 208

Simultaneous Assessment of Ventricular Volumes and Coronary Arteries using a parameter optimized Multi-Phase SSFP sequence for Whole-Heart MRI

T. Zitzelsberger, Tübingen/DE

09:20 209

Interventricular septal displacement as a novel marker for the evaluation of the right ventricle in patients with pulmonary arterial hypertension. A CMR study

A. Kallifatidis, Thessaloniki/GR

09:30 210

Accuracy of Cardiac MRI Single- and Non-Breath-Hold Compressed Sensing Data for Right Ventricular Volumetry

H. Haubenreisser, Mannheim/DE

09:40 211

Evaluation of a new simple and reproducible fast method to estimate Left Atrial volume by using Cardiac Computed Tomography

F. Pitocco, Rome/IT

- 09:50 212 **Validation of cardiac magnetic resonance (CMR) volume analysis in single ventricle patients**
F. Secchi, Milan/IT
- 10:00 213 **Free-Breathing 3D T1-weighted fat-saturated contrast-enhanced gradient-echo sequence with radial data sampling in thoracic and cardiovascular MRI**
C. Ruff, Tübingen/DE

10:30 – 11:30 INDUSTRY SYMPOSIUM ROOM 1



BRACCO

Reducing radiation exposure in Cardiac CT: The value of High Concentration Contrast Media

Chair: K Nikolaou, Tübingen/DE

Integrating highly concentrated contrast media into a 3rd generation dual source cardiovascular CT workflow

H. Haubenreisser, Mannheim/DE

Dose optimization using high concentration contrast media in cardiac CTI

I. Carbone, Rome/IT

11:30 – 12:30 EDUCATIONAL SESSION ROOM 1

Is my imaging practice for CAD up to date?

Chair: E. Di Cesare, L'Aquila/IT

K. Nikolaou, Tübingen/DE

Current standards of practice for coronary CTA

S. Harden, Southampton/UK

Coronary CTA: Personalized imaging protocols

F. Bamberg, Tübingen/DE

Nuclear imaging for CAD: When and how?

M. Hacker, Vienna/AT

11:30 – 12:30

STATE OF THE ART SESSION

ROOM 2

Large scale imaging studies in Europe

Chair: M. Oudkerk, Groningen/NL
V. Sinitsyn, Moscow/RU

Recently published “ must know “ trials

T. Leiner, Utrecht/NL

Prospective large-scale imaging studies

M. Dewey, Berlin/DE

Planned / initiated studies

R. Vliegenthart, Groningen/NL

12:45 – 13:45

INDUSTRY SYMPOSIUM

ROOM 1

GE Healthcare



GE HEALTHCARE

Latest patient centric innovations in cardiac imaging

Chair: G. Pontone, Milan/IT

The value of Visipaque™ (iodixanol) in cardiac CT Angiography

F. Wolf, Vienna/AT

CT cardiac imaging: A revolution in patient management

D. Mandry, Nancy/FR

The growing role of cardiac MR in the patient pathway

L. Macron, Paris/FR

14:00 – 15:15

STATE OF THE ART SESSION

ROOM 1

Acute coronary syndrome: Is there a place for imaging?

Chair: V. Sinitsyn, Moscow/RU
A. Stillman, Atlanta/US

Clinical introduction of ACS

M. Rees, Gwynedd/UK

ESCR-NASCI consensus statement on imaging in ACS

M. Oudkerk, Groningen/NL

Role of CT in acute setting

F. Pugliese, London/UK

Role of MR after emergency treatment

R. Manka, Zurich/CH

14:00 – 15:15

EDUCATIONAL SESSION

ROOM 2

Guidance of electrophysiological procedures

Chair: F. Wolf, Vienna/AT
T. Henzler, Heidelberg/DE

EP perspective: Which procedures, and when do we need imaging?

G. Stix, Vienna/AT

Role of CT for planning of EP procedures

G. Feuchtner, Innsbruck/AT

MR guided EP procedure

M. Grothoff, Leipzig/DE

MR fibrosis imaging: More confusion, or higher accuracy?

H. Cochet, Pessac/FR

14:00 – 15:15

SCIENCE CORNER

Science Corner

How to prepare a manuscript: EJR

Chair: J. Blickman, Rochester/US
R. Vliegenthart, Groningen/NL

Preparing, publishing, ethics and other issues writing manuscripts

15:15 – 16:30

EDUCATIONAL SESSION

ROOM 1

Where the heart meets the lung (with ESTI)

Chair: L. Natale, Rome/IT
C. Schaefer-Prokop, Amersfoort/NL

Sarcoidosis

C. Schaefer-Prokop, Amersfoort/NL

COPD/Emphysema

E. Van Beek, Edinburgh/UK

Acute pulmonary embolism

T. Henzler, Mannheim/DE

Pulmonary hypertension

K.F. Kreitner, Mainz/DE

15:15 – 16:30

STATE OF THE ART SESSION

ROOM 2

Myocardial Imaging

Chair: R. Manka, Zurich/CH
E. Mousseaux, Paris/FR

New ECHO techniques for myocardial characterization

TBA

Update in nuclear imaging

A. Scholtens, Amersfoort/NL

Any place for CT?

J-F. Paul, Le Plessis Robinson/FR

MR - the one and only?

J. Bremerich, Basel/CH

15:15 – 16:30

SCIENCE CORNER

Science Corner

How to peer preview a manuscript

Chair: R. Vliegenthart, Groningen/NL
J. Blickman, Rochester/US

17:00 – 18:30

STATE OF THE ART SESSION

ROOM 1

Plaque imaging: Still just research field?

Chair: K. Nikolaou, Tübingen/DE
S. Harden, Southampton/UK

Concept of vulnerable plaque and invasive tools for imaging

T. Benedek, Targu Mures/RO

MR: Promises already fulfilled?

H. J. Lamb, Leiden/NL

CT: Culprit lesion score - ready to go?

M. Dewey, Berlin/DE

A possible role for NaF PET?

E. Van Beek, Edinburgh/UK

Lesion monitoring during treatment

G. Feuchtner, Innsbruck/AT

17:00 – 18:30

QUIZ DIAGNOSIS LIVE

ROOM 2

Chair: Ch. Peebles, Southampton/UK
J. Wildberger, Maastricht/NL

17:00 – 18:30

PROFFERED PAPERS SESSION 5

Science Corner

Myocardial ischemia and infarction

Chair: F. Bamberg, Tübingen/DE
R. Salgado, Edegem/BE

17:00 214

Diagnostic performance of non-invasive fractional flow reserve (FFR) derived from coronary CT angiography in suspected coronary artery disease: Single-center experience

E. Pershina, Moscow/RU

17:10 215

Influence on Coronary Attenuation Using Different Iodine Concentrations

B. Hendriks, Maastricht/NL

17:20 216

Computed tomography coronary angiography versus stress cardiac magnetic resonance for the management of symptomatic revascularized patients: a cost effectiveness study (STRATEGY)

G. Pontone, Milan/IT

17:30 217

Validation of CT myocardial perfusion quantification in an ex-vivo porcine heart model

G. J. Pelgrim, Groningen/NL

17:40 218

Analysis of myocardial blood flow in dynamic CT perfusion imaging: visually-guided and automated methods

A. Rossi, London/UK

17:50 219

Myocardial perfusion values determined with dynamic myocardial perfusion computed tomography in relationship to cardiovascular risk factors

G. J. Pelgrim, Groningen/NL

18:00 220

Effect of postconditioning on myocardial perfusion measured by CMR in primary PCI-treated STEMI patients

A. Bethke, Oslo/NO

18:10 221

Dependency of prevalence and extent of infarct size (IS) and microvascular obstruction (MO) on the timing of imaging and contrast injection after infarction

T. Emrich, Mainz/DE

SATURDAY, OCTOBER 10, 2015

08:45 – 09:45 STATE OF THE ART SESSION: ESCR meets NASCI ROOM 1

Developments in indications of cardiac CT

Chair: R. Vliegenthart, Groningen/NL
J. Jacobs, New York/US

CTA or SPECT for CAD?

A. Stillman, Atlanta/US

Imaging in acute chest pain: Role for CT?

J. Schoepf, Charleston/US

Cardiac CT in atrial fibrillation and other dysrhythmias: When and how?

J. Jacobs, New York/US

08:45 – 09:45 EDUCATIONAL SESSION ROOM 2

Case readings in myocardial ischemia testing

Chair: G. Kirova, Sofia/BG
J. Lotz, Göttingen/DE

SPECT and PET in myocardial ischemia

S. Graf, Vienna/AT

CT for complete CAD evaluation

F. Pugliese, London/UK

MRI in myocardial ischemia

R. Marano, Rome/IT

08:45 – 09:45 PROFFERED PAPERS SESSION 6 Science Corner

Myocardial mapping techniques

Chair: J.F. Deux, Paris/FR
K. F. Kreitner

- | | |
|-----------|--|
| 08:45 301 | Reproducibility of myocardial T1 time measurements: Comparison of two software packages.
E. Pershina, Moscow/RU |
| 08:55 302 | Ability to distinguish infarct area and area-at-risk in patients in acute ST-elevation myocardial infarction using T1 mapping technique?
N. Galea, Rome/IT |
| 09:05 303 | Quantitative edema detection using T2-mapping in acute myocarditis
B. Baessler, Cologne/DE |

- 09:15 304 **Signal decay mapping of myocardial edema using dual-contrast Fast-Spin-Echo MRI**
P. Krumm, Tübingen/DE
- 09:25 305 **Comparison of mean and median pixel-wise myocardial T2* analysis: Segmentation on subjective selected and contrast-optimized composite image.**
P. Triadyaksa, Groningen/NL
- 09:35 306 **Automated myocardial segmentation for bright-blood MRI myocardial T2* quantification**
P. Triadyaksa, Groningen/NL

09:45 – 10:45 **GO ACROSS THE (GUIDE)LINES** **ROOM 1**

Non invasive testing of CAD in women

Chair: J. Lotz, Göttingen/DE
S. Harden, Southampton/UK

Current guidelines

S. Elias-Smale, Rotterdam/NL

Does gender affect imaging procedures and results?

M. Gutberlet, Leipzig/DE

Imaging of microvascular disease

R. Manka, Zurich/CH

09:45 – 10:45 **STATE OF THE ART SESSION** **ROOM 2**

Interventions around the left atrium

Chair: M. Das, Maastricht/NL
P. Apfaltrer, Vienna/AT

Mitraclip and LAA occluder: Indication and technique

G. Stix, Vienna/AT

Imaging pre-clips and occluders

T. Henzler, Mannheim/DE

Imaging prior to ablation

M. Centonze, Trento/IT

09:45 – 10:45 **SCIENCE CORNER** **Science Corner**

How to be the speaker everybody wants you to be

Chair: R. Vliegenthart, Groningen/NL
A. Spies, Nijmegen/NL

How to present with impact

11:15 – 12:30

GO ACROSS THE (GUIDE)LINES

ROOM 1

Aortic disease

Chair: Ch. Peebles, Southampton/UK
K.F. Kreitner, Mainz/DE

Detection and categorization of acute aortic syndromes

R. Marano, Rome/IT

Follow-up of aneurysms: MRI or CT?

Ch. Loewe, Vienna/AT

Post-endovascular treatment: Update in imaging technique

M. Das, Maastricht/NL

How to image and diagnose aortitis?

I. Carbone, Rome/IT

Discussion: Do we need 24/7 availability of ECG-triggered CTA of the aorta?

11:15 – 12:30

CONTROVERSIES IN CARDIAC IMAGING

ROOM 2

Valve pathology - indication for CT and/or MR?

Chair: G. Feuchtnner, Innsbruck/AT
J. Bogaert, Leuven/BE

The surgeons perspective

W. Wisser, Vienna/AT

The Echo perspective

The CT/MR perspective

R. Salgado, Edegem/BE

Discussion: When to use which imaging modality?

11:15 – 12:30

EPOS HIGHLIGHTED SESSION

Science Corner

Myocardial mapping techniques

Chair: S. Harden, Southampton/UK
E. Mousseaux, Paris/FR

11:15 401

High-risk coronary artery plaque on coronary computed tomography is associated with vulnerable carotid plaque by 3T MRI.

P. Burghard, Innsbruck/AT

11:23 402

Myocardial involvement in Anderson Fabry disease can be assessed and quantified using magnetic resonance post-contrast T1 mapping

J. Donhauser, Würzburg/DE

- | | |
|-----------|--|
| 11:31 403 | Assessment of mitral annuloplasty ring by cardiac CT: correlation with echocardiographic parameters and comparison between two different ring types
Y. J. Suh, Seoul/KR |
| 11:39 404 | Clinical role of Cardiac Magnetic Resonance (CMR) in ST-elevation acute myocardial infarction (STEMI): is there a direct clinical impact behind the in-vivo evaluation of pathophysi
G. de Rubeis, Rome/IT |
| 11:47 405 | Gender-specific differences of myocardial triglyceride content assessed with ¹H-Magnetic Resonance Spectroscopy at 3 Tesla
B. Petritsch, Würzburg/DE |
| 11:55 406 | The study of the coronary veins using multidetector computed tomography
M. Shlyappoa, Moscow/RU |
| 12:03 407 | CT with contrast medium in diagnostics of total anomalous pulmonary veins connection
E. Nikolaeva, Astrakhan/RU |
| 12:11 408 | Compact Light Sources: A brake-through for Cardiac imaging? Following the innovation trail towards desk-top monochromatic X-Ray sources
V. Spyropoulos, Athens/GR |
| 12:19 409 | Diffuse left atrial fibrosis according to LGE MRI in patients with atrial fibrillation, patients with hypertension and healthy volunteers
O. Aparina, Moscow/RU |
| 12:27 410 | How to approach fatty images of the heart in cardiac CT
F. Cilia, Ragusa/IT |

12:45 – 13:45

INDUSTRY SYMPOSIUM

ROOM 1

SIEMENS

SIEMENS

Cardiac Imaging in the age of value based healthcare – acute chest pain

Acute chest pain – clinical and economic challenges

F. Fuchs, Erlangen/DE

How CT improves differential diagnosis of unclear chest pain

M. Das, Maastricht/NL

How CMR improves differential diagnosis of unclear chest pain

Ch. Peebles, Southampton/UK

14:00 – 15:15

STATE OF THE ART SESSION

ROOM 1

Hot topics

Chair: S. Harden, Southampton/UK
J. F. Paul, Plessis-Robinson/FR

CT FFR: The clinical future?

V. Sinitsyn, Moscow/RU

MRI 4D flow: Is it clinically useful?

G. Soulat, Paris/FR

CT perfusion

J. Schoepf, Charleston/US

Cardiac innervation by SPECT or PET

TBA

14:00 – 15:15

EDUCATIONAL SESSION: CAD

ROOM 2

Imaging after myocardial infarction/intervention

Chair: O. Duvernoy, Uppsala/SE
M. Centonze, Trento/IT

Evaluation of stents and grafts

Ch. Loewe, Vienna/AT

How to evaluate myocardial injury after ACS?

L. Natale, Rome/IT

Evaluation in case of ACS but nonobstructive coronary arteries

K. F. Kreitner, Mainz/DE

Discussion: What are indications for CT of MRI after intervention?

14:00 – 15:15

PROFFERED PAPERS SESSION 7

Science Corner

Early detection of coronary artery disease

Chair: R. Marano, Rome/IT
B. Velthuis, Utrecht/NL

14:00 307

Vascular age assessment using MRI: Intra-, interobserver and inter-center variability of the aortic strain measurement in a multicenter trial setting

M. Hrabak Paar, Zagreb/HR

14:10 308

Epicardial adipose tissue evaluated with cardiac magnetic resonance in normal, ischemic and dilated heart

F. Secchi, Milan/IT

- 14:20 309** **Epicardial Adipose Tissue in Healthy Athletes and its association with Cardiometabolic Risk and Protective Factors: A prospective study by Computed Tomography.**
C. Schabel, Tübingen/DE
- 14:30 310** **Dual Source Cardiac CT Angiography (CCTA) in the Preparticipation Screening of Competitive Athletes**
C. Rutigliano, Rome/IT
- 14:40 311** **Prognostic role of CCTA in a series of patients without known coronary artery disease**
L. Monti, Rozzano/IT
- 14:50 312** **Detection and progression of subclinical atherosclerosis in a study population of HIV-infected patients receiving highly active antiretroviral therapy (HAART): results at 5-years**
F. Vullo, Rome/IT
- 15:00 313** **Impact of motion and Sn-filter on quantification of coronary artery calcifications at third generation dual-source CT**
M. Vonder, Groningen/NL

15:15 – 16:15

EDUCATIONAL SESSION

ROOM 1

Diastolic heart failure

Chair: H. Lamb, Leiden/NL
E. Di Cesare, L'Aquila/IT

Clinical problem of diastolic heart failure

S. Elias-Smale, Rotterdam/NL

Imaging of diastolic dysfunction: Concepts

B. Graca, Coimbra/PT

MRI in diagnosing diastolic heart failure: Technique and findings

E. Mousseaux, Paris/FR

15:15 – 16:15

EDUCATIONAL SESSION

ROOM 2

Pitfalls in Cardiac Imaging

Chair: L. Natale, Rome/IT
P. Donato, Coimbra/PT

Pitfalls in diagnosis of: ARVD

B. Velthuis, Utrecht/NL

Pitfalls in diagnosis of: Athlete's heart

N. Prakken, Groningen/NL

Pitfalls in diagnosis of: Cardiac tumors

F. De Cobelli, Milan/IT

15:15 – 16:15

SCIENCE CORNER

Science Corner

Research data handling: How to deal with big data?

Chair: P. van Ooijen, Groningen/NL

Data issues in large scale imaging studies

P. van Ooijen, Groningen/NL

Data management in Swedeheart/SCAAR registry

O. Duvernoy, Uppsala/SE

Dealing with big image data in the German trial

F. Bamberg, Munich/DE

16:45 – 17:45

CONTROVERSIES IN CARDIAC IMAGING

ROOM 1

Triple rule out

Chair: J. Schoepf, Charleston/US

Ch. Peebles, Southampton/UK

PRO: When and why to visit the one-stop-shop

J. Wildberger, Maastricht/NL

CON: Dedicated examinations preferred

K. Nikolaou, Tübingen/DE

16:45 – 17:45

PRACTICE SESSION

ROOM 2

Cardiac MR imaging and safety

Chair: M. Francone, Rome/IT

E. Merzhina, Moscow/RU

MR contraindication: Truth and myths

U. Kramer, Tübingen/DE

Active implants: Overview and standard procedure for routine application

L. Natale, Rome/IT

Cardiac imaging and non-active medical devices

M. Gutberlet, Leipzig/DE



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16:45 – 17:45

SCIENCE CORNER

Science Corner

How to be the speaker everybody wants you to be

Chair: A. Spies, Nijmegen/NL
A. Jacquier, Marseille/FR

17:45 – 18:15

CLOSING SESSION

ROOM 1

Chair: M. Gutberlet, Leipzig/DE
Ch. Loewe, Vienna/AT

Oral/poster presentation award

K. Gruszczynska, Katowice/PL

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EPOS™ POSTER PRESENTATIONS

- 411 MRI of the Pericardium: What do we have to know? What do we have to look for?**
C. Saborido Avila, M. Rodriguez, A. M. Afonso Centeno, B. Nieto Baltar, S. Barreiro Villalustre; Vigo/ES
- 412 Diagnostic implications of magnetic resonance feature tracking derived myocardial strain parameters in patients with clinically suspected acute myocarditis but inconspicuous CMR**
B. Baessler¹, G. Michels¹, F. Schaarschmidt², A. Dick¹, D. Maintz¹, A. Bunck¹; ¹Cologne/DE, ²Hannover/DE
- 413 Contribution of left ventricular mass assessed by computed tomography to the development of coronary artery disease in young adults**
D. K. Kang, J. S. Sun, J. Y. Cho, Y. K. Sur, J. S. Park; Suwon/KR
- 414 Relationship between indexed epicardial fat volume and coronary calcium score assessed by cardiac multi-detector CT**
D. K. Kang, S. You, S. Y. Park, Y. Baek; Suwon/KR
- 415 Radiation exposure in paediatric interventional cardiology**
N. Kollaros, C. Plemmenos, G. Liarti, S. Katsilouli, A. Georgakilas, S. Kampanarou, I. Mastorakou; Athens/GR
- 416 Aortic strain evaluated with cine MR imaging in 1,363 patients**
M. Scarabello¹, F. Secchi¹, P. Cannaò¹, M. Petrini¹, G. Di Leo², F. Sardanelli¹; ¹Milan/IT, ²San Donato Milanese/IT
- 417 Clinical silent myocardial infarction detected by cardiac magnetic resonance imaging in patients with coronary artery disease**
B. Klumpp¹, C. Bretschneider², P. Krumm², S. Mangold², M. Gawaz², K. Nikolaou², U. Kramer²; ¹Ostfildern/DE, ²Tübingen/DE
- 418 Sudden cardiac death related to atherosclerotic coronary artery disease in postmortem MDCT-angiography**
K. Michaud, S. Grabherr; Lausanne/CH

- 419 Estimation of pulmonary hemodynamics with high temporal resolution phase-contrast MRI: Can it identify persons with normal hemodynamics?**
A. J. Theruvath, G. M. Wirth, K.-H. Schmidt, C. Düber, K.-F. Kreitner; Mainz/DE
- 420 Post interventional Radiology patient monitoring at home**
V. Spyropoulos, A. Tzavaras, M. Botsivaly; Athens/GR
- 421 Choosing appropriate imaging modalities in pediatric congenital cardiovascular abnormalities**
H. Hamidi, N. Rasouly, S. Maroof, T. Alam; Kabul/AF
- 422 Multidetector computer tomography (MDCT) in diagnostics of partial anomalous pulmonary vein connection (PAPVC) and Scimitar syndrome.**
E. Nikolaeva; Astrakhan/RU
- 423 Cardiac MRI assessment of left ventricle morphology and function in pre clinical stage of hypertrophic cardiomyopathy.**
A. Agahi; Tasmania/AU
- 424 The purpose of using protocol Ca-score for attenuation correction in PET myocardial N13-ammonia in patients with CAD**
A. Chernova, I. Aslanidi, I. Shurupova, E. Derevjanko, I. Ekaeva; Moscow/RU
- 425 Advanced CT acquisition protocol for comprehensive assessment of prosthetic heart valves and the thoracic aorta using dual-source CT and iterative reconstruction**
R. Budde, M. L. Dijkshoorn, J. Bekkers, L. E. Swart, M. Straten, K. Nieman, G. P. Krestin; Rotterdam/NL
- 426 Pulmonary Embolism as a Consequence of Ultrasonographic Examination of Extremities for Suspected Venous Thrombosis: A Systematic Review**
G. Mehdipoor¹, A. Arjmand Shabestari¹, G. Y. Lip², B. Bikdeli³; ¹Tehran/IR, ²Birmingham/UK, ³New Haven/US
- 427 Late Gadolinium Enhancement is useful not only in the heart: a new tool to reveal skeletal muscle involvement in idiopathic inflammatory myopathies**
G. Benedetti, A. Esposito, M. Cava, M. Colombo, G. A. Ramirez, D. Velardo, A. Manfredi, E. Bozzolo, S. Previtali, P. Rovere Querini, A. Del Maschio, F. de Cobelli; Milan/IT

- 428 Renal sympathetic denervation in treatment resistant hypertension improves systolic blood pressure, aortic stiffness and heart function**
T. Hammer¹, P. Hoffmann², P. E. Goa¹, F. Fadl Elmula², K. H. Stensaeth²; ¹Trondheim/NO, ²Oslo/NO
- 429 In vitro comparison of second- and third-generation dual-source CT for coronary stent visualization**
T. Gassenmaier¹, N. Petri¹, T. Allmendinger², T. Flohr², A. Kunz¹, B. Petrutsch¹, W. Voelker¹, T. A. Bley¹; ¹Würzburg/DE, ²Forchheim/DE
- 430 MultispiralComputerTomography Diagnostic Possibilities for Traumatic and Iatrogenic Heart, Aorta and Pulmonary Vessels Injury**
L. Gatova, E. Ziyabova, V. Shtraub; Krasnodar/RU
- 431 Typical cases, complications and difficulties in the diagnosis of non-compact myocardium in children by MRI and CT.**
V. Barskiy, V. E. Sinitsyn, L. A. Yurpolskaya, E. Basargina, Y. Shmeleva, I. Filinov, A. Sugak, I. Silnova, M. Umarova; Moscow/RU
- 432 Dynamic contrast-enhanced magnetic-resonance imaging in non-surgery patients with chronic limb ischemia during 6 months follow up**
N. Sinkevich, E. Butorova, O. Stukalova, M. Maslennikov, O. Bulkina, S. K. Ternovoy, Y. Karpov; Moscow/RU
- 433 The role of myocardial hypoenhancement in patients with non-ST segment elevation acute coronary syndrome**
N. Barysheva, M. Shabanova, D. Ustyuzhanin, T. Sukhinina, I. Merculova; Moscow/RU
- 434 Accidental Findings while Performing Computer Tomography Aortography**
E. Lyubimova, E. Ziyabova; Krasnodar/RU
- 435 Rationale and design of the PERFECTION study**
G. Pontone¹, D. Andreini¹, A. L. Bartorelli¹, M. Guglielmo¹, S. Mushtaq¹, C. Segurini¹, A. Baggiano¹, E. Conte¹, V. Beltrama¹, A. D. Annoni¹, A. Formenti¹, M. Petullà¹, A. I. Guaricci²; ¹Milan/IT, ²Foggia/IT
- 436 Comparison of transthoracic echocardiography versus cardiac magnetic for implantable cardioverter defibrillator therapy in primary prevention strategy dilated cardiomyopathy**
G. Pontone¹, D. Andreini¹, A. Solbiati¹, M. Guglielmo¹, S. Mushtaq¹, A. Baggiano¹, V. Beltrama¹, C. Rota¹, A. I. Guaricci², M. Pepi¹; ¹Milan/IT, ²Foggia/IT

- 437 Contrast-enhanced cine b-SSFP imaging in evaluation of chronic myocardial infarction using 3T cardiac MRI.**
A. Cazacu; Chisinau/MD
- 438 Spectrum of Findings of Sinus Venosus Atrial Septal Defect: CT and MR Findings**
J. M. Madrid¹, P. J. Mergo², P. Bartolomé¹, J. Phelan², P. Parikh², A. Bowman², B. Shapiro²;
¹Pamplona/ES, ²Jacksonville, FL/US
- 439 Cardiac MR or Delayed Enhanced CT in patients with sudden occurrence of ventricular arrhythmias and normal coronary arteries: comparison with endomyocardial biopsy**
A. Palmisano, A. Esposito, C. Colantoni, M. Cava, F. de Cobelli, A. Del Maschio; Milan/IT
- 440 Influence of upper airways section area on oxygen blood saturation level in patients with obesity and sleep apnea syndrome**
E. Butorova, D. Ustyuzhanin, M. Shariya, A. Litvin; Moscow/RU
- 441 The morphological evaluation of coronary plaques in non-ST elevation acute coronary syndrome by coronary CT angiography.**
M. Shabanova, S. Gaman, M. Shariya, I. Merculova, N. Barysheva, N. S. Serova; Moscow/RU
- 442 Heart rate response that prevents or reduces quality of coronary CT angiography during rapid non-ionic iodine contrast application**
T. Koković, V. Munteanu, M. Karac, A. Pfau, D. Ilic, S. Stojanovic; Novi Sad/RS
- 443 Features of coronary CT angiography in evaluation of coronary plaques: Comparison with intravascular ultrasound.**
M. Shabanova, S. K. Ternovoy, S. Gaman, V. Mironov, I. Merculova, M. Shariya, T. N. Veselova; Moscow/RU



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