Preliminary Programme

Vienna
Austria
2005

EUROPEAN CONGRESS OF RADIOLOGY
March 4-8

2005
Vienna
Austria
## Content

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### Refresher Courses / Workshops

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### E³ - European Excellence in Education

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### "Hands-on" Workshops

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For further information, please refer to [www.ecr.org](http://www.ecr.org)
Dear Colleagues,

It is a great honour for me to welcome you to the 17th European Congress of Radiology, ECR 2005. You will see from the preliminary programme that ECR continues its tradition of excellence and offers yet another exciting mixture of lectures that hold something for everyone.

One of the highlights of the scientific programme will be a new categorical course on the essentials of neuroradiology, two “New Horizons” sessions on nanotechnology and drug-eluting stents as well as a foundation course on chest radiology. A new feature of the congress will be a primer course on the fast growing field of molecular imaging.

I am proud that Hungary and Japan have accepted our invitation to join Italy as guest countries of the “ECR meets” project, which is particularly close to my heart, as it promotes co-operation and friendship among radiologists from all over the globe.

Of course, EPOS™ will again be an integral, enriching part of the congress offering delegates access to the ever growing database of educational and scientific electronic presentations.

The social programme will have a notably Italian theme and I am sure that it will create a cosy atmosphere to foster personal relationships and informal exchange.

I look forward to welcoming many of you to Vienna in March 2005!

Prof. Antonio Chiesa
ECR 2005 President
# Time Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Friday, March 4</th>
<th>Saturday, March 5</th>
<th>Sunday, March 6</th>
<th>Monday, March 7</th>
<th>Tuesday, March 8</th>
</tr>
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<tbody>
<tr>
<td>08:30</td>
<td>Opening Ceremony</td>
<td>Opening Ceremony</td>
<td>ECR meets Italy</td>
<td>Special Focus Session</td>
<td>Special Focus Session</td>
</tr>
<tr>
<td>09:00</td>
<td>Inauguration Lecture</td>
<td>Honorary Lecture</td>
<td>New Horizons Session</td>
<td>SF 1</td>
<td>SF 9a, SF 9b</td>
</tr>
<tr>
<td>09:30</td>
<td>Presentation of Honorary Members</td>
<td>Research and Education Fund Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>Categorical Courses</td>
<td>Categorical Courses</td>
</tr>
<tr>
<td>10:00</td>
<td>Scientific Exhibition Awards</td>
<td>Gold Medal Awards</td>
<td>Hands-on Workshops, Scientific Sessions</td>
<td>Refresher Courses, Workshops, E3 Session, Hands-on Workshops</td>
<td>Refresher Courses, Workshops, E3 Session, Hands-on Workshops</td>
</tr>
<tr>
<td>10:30</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(100)</td>
<td>(900)</td>
</tr>
<tr>
<td>11:00</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(1300)</td>
<td>(1800)</td>
</tr>
<tr>
<td>11:30</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(1400)</td>
<td>(1700)</td>
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<tr>
<td>12:15</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(500)</td>
<td>(900)</td>
</tr>
<tr>
<td>13:00</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(1000)</td>
<td>(1000)</td>
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<tr>
<td>13:30</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(1700)</td>
<td>(1700)</td>
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<tr>
<td>14:00</td>
<td>Scientific Exhibition Awards</td>
<td>Scientific Exhibition Awards</td>
<td>E3 Sessions, Hands-on Workshops, Scientific Sessions</td>
<td>(1800)</td>
<td>(1800)</td>
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**Note:** The schedule includes various sessions such as special focus sessions, state-of-the-art symposiums, hands-on workshops, scientific sessions, and other events. The exact times and locations for each event are not specified in the provided text.
<table>
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<th>Time</th>
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<tr>
<td></td>
<td>Special Focus Sessions SF 4a, SF 4b, SF 4c</td>
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<tr>
<td></td>
<td>Categorical Courses CC 416, CC 417</td>
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<td>Primer PR 419</td>
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<td></td>
<td>Refresher Courses, Workshops, E³ Session (400)</td>
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<tr>
<td>Saturday, March 5</td>
<td>E³ Session, Hands-on Workshops, Scientific Sessions (700)</td>
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<tr>
<td></td>
<td>Special Focus Sessions SF 8a, SF 8b</td>
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<td></td>
<td>Categorical Courses CC 816, CC 817</td>
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<tr>
<td></td>
<td>Primer PR 819</td>
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<td></td>
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<td>Image Interpretation Session</td>
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<td>Special Focus Session SF 12, State-of-the-Art Symposium SA 12</td>
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<td></td>
<td>Categorical Course CC 1217</td>
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<td></td>
<td>Primer PR 1219</td>
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<td></td>
<td>Refresher Courses, Workshops, E³ Session (1200)</td>
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<td>Monday, March 7</td>
<td>ECR meets Japan</td>
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<td></td>
<td>E³ Session, Hands-on Workshops, Scientific Sessions (1500)</td>
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<td></td>
<td>Special Focus Session SF 16</td>
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<td></td>
<td>Categorical Course CC 1517</td>
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<td>Refresher Courses, Workshops, Hands-on Workshops (1600)</td>
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<td>14:00 14:30 15:00 16:00 16:30 17:00 17:30</td>
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Executive Committee
Chairman:
H.M.L. Carty; Liverpool/UK

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Second Congress Vice President:
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V.E. Sinitsyn; Moscow/RU

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J.F.M. Meaney; Dublin/IE

Categorical Courses
Co-ordinators:
S.J. Golding; Oxford/UK
P.M. Parizel; Antwerp/BE
J. Ruscallada; Barcelona/ES

Cases-of-the-Day
M.-F. Bellin; Villejuif/FR

Information Technologies (IT)
D. Caramella; Pisa/IT
L. Donoso; Sabadell/ES
J. Kettenbach; Vienna/AT
B.M. ter Haar Romeny; Eindhoven/NL
B.B. Wein; Aachen/DE

Physics Programme
K.A. Jessen; Århus/DK

Image Interpretation Session
P. Schnyder; Lausanne/CH

Junior Image Interpretation Session
D. Farina; Brescia/IT

Evaluation
Y. Menu; Le Kremlin-Bicêtre/FR

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A.L. Baert; Leuven/BE

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L. Bonomo; Rome/IT

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L. Gorospe; Madrid/ES

"ECR Today 2005"
R. Fotter; Graz/AT
I.W. McCall; Oswestry/UK

Technical Exhibition
A. Adam; London/UK

Technical Exhibition Committee
Chairman:
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Members:
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H.M.L. Carty; Liverpool/UK
A. Adam; London/UK
A. Chiesa; Brescia/IT
P. Baierl; Vienna/AT
Abdominal and Gastrointestinal (1)
Chairman: A.H. Freeman; Cambridge/UK
J.S. Laméris; Amsterdam/NL
Members: C. Catalano; Rome/IT
A. Denys; Lausanne/CH
H. Fenlon; Dublin/IE
A.R. Gillams; London/UK
A.Z. Ginai; Rotterdam/NL
L. Grazioli; Brescia/IT
P. Huppert; Darmstadt/DE
B. Jamar; Ljubljana/SI
P. Pokieser; Vienna/AT
S. Rafaelsen; Vejle/DK
L.H. Ros Mendoza; Zaragoza/ES
Z. Tarján; Budapest/HU
V. Valek; Brno/CZ
D. Vanbeekvoort; Leuven/BE
V. Vilgrain; Clichy/FR
S.D. Yarmenitis; Iraklion/GR

Breast (2)
Chairman: T.H. Helbich; Vienna/AT
Members: R. Chersevani; Gorizia/IT
J. Danes; Prague/CZ
G. Forrai; Budapest/HU
R. Salvador; Barcelona/ES
J. Stines; Vandoeuvre les Nancy/FR
J. Teubner; Mannheim/DE
M.G. Wallis; Coventry/UK
H. Zonderland; Leiden/NL

Cardiac (3)
Chairman: E. Di Cesare; L’Aquila/IT
Members: J. Bremerich; Basle/CH
M. Gutberlet; Berlin/DE
I.W. Mastorakou; Athens/GR
M. Pasowicz; Krakow/PL
O. Stukalova; Moscow/RU
S. Tuma; Prague/CZ
E.J.R. van Beek; Sheffield/UK
T.P. Willems; Groningen/NL

Chest (4)
Chairman: S. Diederich; Düsseldorf/DE
Members: L. Bakon; Warsaw/PL
A.A. Bankier; Vienna/AT
B. Ghaye; Liège/BE
M. Maftessanti; Trieste/IT
K. Malagari; Athens/GR
S.P.G. Padley; London/UK
M. Prokop; Utrecht/NL
M. Rémy-Jardin; Lille/FR

Computer Applications (5)
Chairman: J. Chabrias; Paris/FR
Members: E. Bellon; Leuven/BE
A.T. Carty; Liverpool/UK
K.-J. Klose; Marburg/DE
W. Leodolter; Graz/AT
J. Stermer; Tromsø/NO
P.S. Zoumpoulis; Athens/GR

Genitourinary (7)
Chairman: L.E. Derchi; Genoa/IT

Head and Neck (8)
Chairman: M. Becker; Geneva/CH

Interventional Radiology (9)
Chairman: M. Maynar; Santa Cruz de Tenerife/ES

Musculoskeletal (10)
Chairman: A. Mester; Budapest/HU

Neuro (11)
Chairman: E.-M.B. Larsson; Lund/SE

Molecular Imaging and Contrast Media (6)
Chairman: C.A. Cuénod; Paris/FR
Members: T. Albrecht; Berlin/DE
H.E. Daldrup-Link; Munich/DE
J.A. Jakobsen; Oslo/NO
D. Laroche; Caen/FR
G. Morana; Verona/IT
A.R. Padhani; Northwood/UK
H.C. Steinert; Zürich/CH
P. Wunderbaldinger; Vienna/AT

Subcommittees
## Subcommittees

### Pediatric (12)

**Chairman:** C.M. Hall; London/UK  
**Members:**  
- T. Berrocal; Madrid/ES  
- K. Darge; Würzburg/DE  
- E. Kis; Budapest/HU  
- M.L. Lobo; Lisbon/PT  
- P. Rajszys; Warsaw/PL  
- G.-H. Sebag; Paris/FR

### Physics in Radiology (13)

**Chairman:** J. Damilakis; Iraklion/GR  
**Members:**  
- A. Bifone; Verona/IT  
- J. Geleijns; Leiden/NL  
- A. Lisbona; Saint-Herblain/FR  
- L.G. Månsson; Gothenburg/SE  
- F. Schick; Tübingen/DE  
- W. van der Putten; Galway/IE  
- F.R. Verdun; Lausanne/CH

### Radiographers (14)

**Chairmen:** S. Huber; Munich/DE  
C. Roche; Galway/IE

**Members:**  
- K. Eklund; Lund/SE  
- S. Geers-van Gemeren; Haarlem/NL  
- A. Hembise; Rhode-Saint-Genese/BE  
- M. Jaronen; Tampere/FI  
- D. Koumarianos; Athens/GR  
- S. Taylor; Liverpool/UK

### Vascular (15)

**Chairman:** G.M. Bongartz; Basle/CH  
**Members:**  
- M. Cejna; Vienna/AT  
- V. Hadjidekov; Sofia/BG  
- K.Y.J.A.M. Ho; Groningen/NL  
- K. Ivancev; Malmö/SE  
- J.H. Peregrin; Prague/CZ  
- C. Rabbia; Turin/IT  
- M. Sapoval; Paris/FR  
- A. Watkinson; Exeter/UK

## Topic Co-ordinators

### Categorical Courses:

**Infection in the Adult Today (16)**  
S.J. Golding; Oxford/UK

**Essentials of Neuroradiology (17)**  
P.M. Parizel; Antwerp/BE  
J. Ruscallera; Barcelona/ES

### Workshops:

**Interventional Radiology (18)**  
J.-I. Bilbao Jaureguizar; Pamplona/ES

"Hands-on" Workshops:

**Musculoskeletal US (21)**  
L.E. Derchi; Genoa/IT  
N. Grenier; Bordeaux/FR

**Vertebroplasty (22)**  
A. Gangi; Strasbourg/FR  
T. Sabharwal; London/UK

**Screening Mammography Interpretation Test (23)**  
J.H.C.L. Hendriks; Nijmegen/NL  
R. Holland; Nijmegen/NL  
H.J.T.M. Rijken; Nijmegen/NL

**Basic Life Support for Radiologists (24)**  
O. Clément; Paris/FR  
W. Schima; Vienna/AT

**Tips and Tricks in Radiofrequency Ablation (25)**  
R. Lencioni; Pisa/IT

### Primer:

**Molecular Imaging (19)**  
C. Bremer; Münster/DE

**E³ - European Excellence in Education (20):**

**Interactive Image Teaching Sessions**  
J. Cáceres; Barcelona/ES

**Foundation Course: Chest Radiology**  
C.J. Herold; Vienna/AT
"ECR meets" Italy

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

EM 1 Imaging of focal lesions

Presiding: A. Chiesa; Brescia/IT
F. Dalla Palma; Trento/IT

- Introduction
  L. Bonomo; Rome/IT
- Brain
  G. Polonara; Ancona/IT
- Chest
  M.L. Storto; Chieti/IT
- Liver
  L. Grazioi; Brescia/IT
- Kidney
  M. Bertolotto; Trieste/IT
- Muscles and tendons
  C. Martinoli; Genoa/IT

"ECR meets" Hungary

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

EM 2 The present and future of Hungarian radiology: Contribution of a new generation

Presiding: A. Chiesa; Brescia/IT
B. Lombay; Miskolc/HU

- Introduction
  A. Palkó; Szeged/HU, B. Lombay; Miskolc/HU
- What do we see on diffusion MR images? A lesson learned from model experiments
  P. Bogner; Kaposvár/HU
- Epilepsy patient: The complex neuroradiological approach
  P. Barsi; Budapest/HU
- Radiological diagnosis and treatment of carotid artery stenosis
  R. Szentgyörgyi; Szeged/HU
- Interventional radiology in portal hypertension
  I. Lázár; Miskolc/HU
- Results of the virtual colonoscopy CAD project
  Z. Tarján; Budapest/HU

"ECR meets" Japan

Monday, March 7, 14:00-15:30, Room A

EM 3 "Oriental Pearls" in oncology imaging: Imaging-pathologic correlation of early cancer in gastrointestinal tracts

Presiding: A. Chiesa; Brescia/IT
T. Ishigaki; Nagoya/JP

- Introduction
  T. Ishigaki; Nagoya/JP
- Early gastric and colonic cancers
  Y. Imai; Ishihara/JP
- Early hepatocellular carcinoma: Imaging of multi-step hepatocarcinogenesis
  O. Matsui; Kanazawa/JP
- Early-stage pancreatic cancer
  H. Mori; Oita/JP
- Early cancer in biliary tract
  S. Hirohashi; Nara/JP

Image Interpretation Session (IIS)

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

Moderator: P. Schnyder, Lausanne/CH
Panellists: F. E. Avni; Brussels/BE
C. Cognard; Toulouse/FR
B. Jamar; Ljubljana/SI
A. G. Junk; Århus/DK
K. Malagari; Athens/GR

Junior Image Interpretation Session (JIIS)

Tuesday, March 8, 12:15-13:15, Room A

Moderator: D. Farina; Brescia/IT
Panellists: T. Laswed; Lausanne/CH
S. Morozov; Moscow/RU
A. Séllei; Szeged/HU
D.J. Tuite; Dublin/IE
M. Vernooij; Rotterdam/NL

New Horizons Sessions

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

NH 6 Nanotechnology

- Introduction
  M.J. Lee; Dublin/IE
- Basic tools and concepts
  D. Fitzmaurice; Dublin/IE
- Implications for medicine and health
  D. Kelleher; Dublin/IE
- Nanotechnology and diagnostic imaging
  M. Harisinghani; Boston, MA/US

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

NH 10 Drug-eluting stents

- Introduction
  J.A. Reekers; Amsterdam/NL
- General introduction drug-eluting stents
  J. Rose; Newcastle Upon Tyne/UK
- Drug-eluting stents in renal arteries
  M. Zähringer; Cologne/DE
- Drug-eluting stents in SFA
  J. Lammer; Vienna/AT
- The future perspective of drug-eluting stents
  Panel discussion

State-of-the-Art Symposia

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

SA 2 Whole-body imaging

- Introduction
  M.F. Reiser; Munich/DE
- Modalities
  H.-P. Schlemmer; Tübingen/DE
- Metastases
  A. Baur; Munich/DE
- Vascular imaging
  S.G. Ruehm; Essen/DE
Sunday, March 6, 16:00-17:30, Room B
SA 12 Multi-dimensional imaging for guiding therapy
- Introduction
  C. Bartolozzi; Pisa/IT
- 3D imaging in therapy planning
  A. Laghi; Rome/IT
- Real-time monitoring of interventional procedures
  A.R. Gillams; London/UK
- Image-guided therapy and robotic applications
  E. Sorantin; Graz/AT

Monday, March 7, 10:30-12:00, Room A
SA 14 Imaging of prostate cancer: Present and future
- Introduction
  J.O. Barentsz; Nijmegen/NL
- Clinical questions
  F. Witjes; Nijmegen/NL
- Ultrasound
  F. Frauscher; Innsbruck/AT
- MRI
  J.O. Barentsz; Nijmegen/NL

Special Focus Sessions

Friday, March 4, 08:30-10:00, Room C
SF 1 Computer assisted diagnosis
- Introduction
  K.-J. Klose; Marburg/DE
- CAD of the breast
  N. Karssemeijer; Nijmegen/NL
- CAD and interventional planning of the liver
  H.O. Peitgen; Bremen/DE
- CAD of the chest
  P. Herzog; Munich/DE

Friday, March 4, 16:00-17:30, Room C
SF 4a Rectal carcinoma
- Introduction
  S. Rafaelsen; Vejile/DK
- Diagnosis
  F.-T. Fork; Malmö/SE
- Staging
  C.I. Bartram; Harrow/UK
- Post-treatment follow-up
  T.J. Vogl; Frankfurt a. Main/DE

Friday, March 4, 16:00-17:30, Room E2
SF 4b Imaging of the lymphatic system
- Introduction
  S.C. Efremidis; Ioannina/GR
- The lymphatics: Clinical considerations
  M. Belloni; Milan/IT
- Normal lymphatic drainage
  S.C. Efremidis; Ioannina/GR
- Imaging of lymph vessel disease
  S.G. Ruehm; Essen/DE

Friday, March 4, 16:00-17:30, Room H
SF 4c History of contrast media
- Introduction
  G. Livadas; Athens/GR
- The early years of contrast media
  A.M.K. Thomas; Orpington/UK
- The classical ionic contrast media
  C. de Haën; Milan/IT
- The development of the non-ionic contrast agents
  T. Almén; Malmö/SE
- MRI contrast agents
  H.-J. Weinmann; Berlin/DE

Saturday, March 5, 08:30-10:00, Room C
SF 5 High-field body MRI: The new standard?
- Introduction
  G.P. Krestin; Rotterdam/NL
- Cardiovascular
  S. Dymarkowski; Leuven/BE
- Abdomen
  S.M. Hussain; Rotterdam/NL
- Musculoskeletal
  D. Weishaupt; Zürich/CH

Saturday, March 5, 16:00-17:30, Room C
SF 8a Imaging ICU patients
- Introduction
  L. Gattinoni; Milan/IT
- Structure-function correlations in acute lung injury
  L. Gattinoni; Milan/IT
- Clinical correlation in the imaging of ARDS
  L.R. Goodman; Milwaukee, WI/US
- Imaging sequelae of acute lung injury
  S.R. Desai; London/UK

Saturday, March 5, 16:00-17:30, Room G
SF 8b Diagnostic and interventional radiology of transplants
- Introduction
  M. Galanski; Hannover/DE
- Liver
  J.B. Karani; London/UK
- Kidney and pancreas
  J. Klempnauer, A. Chavan; Hannover/DE
- Lung (heart and lung)
  A.A. Bankier; Vienna/AT, M. Estenne; Brussels/BE

Sunday, March 6, 08:30-10:00, Room C
SF 9a Radiology of the elderly
- Introduction
  J. Cáceres; Barcelona/ES
- Aging and dementia
  F. Barkhof; Amsterdam/NL
- Dyspnea
  J. Andreu; Barcelona/ES
- Abdominal pain
  W. Curati-Alasonatti; Stanmore/UK
Sunday, March 6, 08:30-10:00, Room G
SF 9b PACS pitfalls
- Introduction
  N.H. Strickland; London/UK
- A typical PACS implementation: More than just the image! Organisational and infrastructural considerations
  L. Sutton; Halifax/UK
- Pitfalls when integrating HIS with PACS
  W. Leodolter; Graz/AT
- PACS implementation pitfalls: How to avoid a staff revolt!
  T. Andersson; Örebro/SE

Sunday, March 6, 16:00-17:30, Room C
SF 12 Assessment of myocardial perfusion and viability
- Introduction
  A. de Roos; Leiden/NL
- Ultrasound and nuclear medicine
  J.J. Bax; Leiden/NL
- Role of multidetector CT
  J. Barkhausen; Essen/DE
- Role of MRI
  H.J. Lamb; Leiden/NL

Monday, March 7, 08:30-10:00, Room C
SF 13 MR imaging of the small intestine
- Introduction
  N. Gourtsoyiannis; Iraklion/GR
- Functional studies
  D.J. Lomas; Cambridge/UK
- Clinical results in Crohn’s disease
  N. Papanikolaou; Iraklion/GR
- Clinical results in non-inflammatory small intestinal disorders
  H.-W. Umschaden; Wolfsberg/AT
- Clinical results in pediatric disorders
  A. Laghi; Rome/IT

Monday, March 7, 16:00-17:30, Room C
SF 16 Pulmonary hypertension: All that the radiologist needs to know
- Introduction
  D. Musset; Clamart/FR
- Pulmonary hypertension: Classification, clinical data
  G. Simonneau; Clamart/FR
- Chronic thromboembolic disease
  M. Rémy-Jardin; Lille/FR
- Primary pulmonary hypertension
  A. Resten; Clamart/FR

Tuesday, March 8, 08:30-10:00, Room C
SF 17 Fetal MR imaging
- Introduction
  I.M. Björkman-Burtscher; Lund/SE
- Technical considerations
  P.A. Gowland; Nottingham/UK
- CNS malformations
  C. Garet; Paris/FR
- Body MRI
  D. Prayer; Vienna/AT
Categorical Course:
**Essentials of Neuroradiology**

**Friday, March 4, 08:30-10:00, Room A**
CC 117 Ischemic stroke
- A. Imaging in acute stroke
  M. Thurnher; Vienna/AT
- B. Cerebrovascular distribution territories
  A. Rovira-Carcellas; Barcelona/ES
- C. Carotid and vertebral artery disease
  A. Goulão; Almada/PT

**Friday, March 4, 16:00-17:30, Room B**
CC 417 Hemorrhagic stroke
- A. Intracranial hemorrhage
  T.A.G.M. Huisman; Zürich/CH
- B. Intracranial aneurysms
  R. Gasparotti; Brescia/IT
- C. Cerebrovascular malformations
  J.V. Byrne; Oxford/UK

**Saturday, March 5, 08:30-10:00, Room A**
CC 517 Cerebral tumors and infections
- A. Extra-axial brain tumors
  A. Drevelegas; Thessaloniki/GR
- B. Intra-axial brain tumors
  G. Wilms; Leuven/BE
- C. Cerebral infections
  S. Karampekios; Iraklion/GR

**Saturday, March 5, 16:00-17:30, Room A**
CC 817 Epilepsy, white matter diseases and ageing
- A. Epilepsy
  H. Urbach; Bonn/DE
- B. White matter diseases
  E.-W. Radü; Basle/CH
- C. Normal ageing and neurodegenerative diseases
  M.A. van Buchem; Leiden/NL

**Sunday, March 6, 08:30-10:00, Room A**
CC 917 Three common neurological problems: Loss of vision, hearing loss, trigeminal and facial nerve palsy
- A. Loss of vision: Imaging the visual pathways
  H.R. Jäger; London/UK
- B. Sensorineural hearing loss
  F. Veillon; Strasbourg/FR
- C. Facial nerve paralysis and trigeminal neuralgia
  A. Borges; Lisbon/PT

**Sunday, March 6, 16:00-17:30, Room A**
CC 1217 Base of the skull, hypophysis, supra- and parasellar region
- A. The skull base
  J.W. Casselman; Bruges/BE
- B. Pituitary lesions
  J.-F. Bonneville; Besançon/FR
- C. Supra- and parasellar lesions
  J. Ruscaleda; Barcelona/ES

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Categorical Course:
**Infection in the Adult Today**

**Monday, March 7, 08:30-10:00, Room A**
CC 1317 Craniocerebral and spinal trauma
- A. Craniocerebral trauma (1): General principles and maxillofacial trauma
  B.F. Schuknecht; Zürich/CH
- B. Craniocerebral trauma (2): Intra- and extra-axial lesions, secondary lesions
  P.M. Parizel; Antwerp/BE
- C. Spine trauma
  J.W. van Goethem; Antwerp/BE

**Monday, March 7, 16:00-17:30, Room A**
CC 1617 Degenerative disorders, tumors and infection of the spine
- A. Degenerative disorders of the spine
  M. Gallucci; L’Aquila/IT
- B. Tumors of the spinal canal
  D. Balériaux; Brussels/BE
- C. Infectious disease of the spine
  E.T. Tali; Ankara/TR

**Tuesday, March 8, 08:30-10:00, Room A**
CC 1717 Metastatic disease of the brain and spine
- A. Metastases in the brain parenchyma
  G. Krumina; Riga/LV
- B. Extra-axial metastases (skull, dura, leptomeningeal) and tumor spread
  R. Maroldi; Brescia/IT
- C. Metastatic disease of the spine
  C.F. Andreula; Bari/IT

**Friday, March 4, 08:30-10:00, Room L/M**
CC 116 Spino-cranial infection
- A. Cranial viral infection
  C.F. Andreula; Bari/IT
- B. Cranial bacterial infection
  P.L. Anslow; Oxford/UK
- C. Spinal and spinal cord infection
  D. Balériaux; Brussels/BE

**Friday, March 4, 16:00-17:30, Room L/M**
CC 416 Chest
- A. Community-acquired and nosocomial infections
  C.J. Herold; Vienna/AT
- B. Infection in AIDS and the immunocompromised patient
  T. Franquet; Barcelona/ES
- C. The spectrum of tuberculosis and non-mycobacterial tuberculosis infection
  S.M. Ellis; London/UK

**Saturday, March 5, 08:30-10:00, Room L/M**
CC 516 Gastrointestinal infection: A changing scene
- A. Gastrointestinal infection in the immunocompromised patient
  J.W.A.J. Reeder; Curacao/AN
- B. Gastrointestinal and abdominal tuberculosis
  F.M.H.M. Vanhoenacker; Antwerp/BE
- C. Gastrointestinal parasite infestation
  M.A. El Bagi; Riyadh/SA

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ECR 2005
Saturday, March 5, 16:00-17:30, Room L/M
CC 816 Musculoskeletal infection
- A. Vertebral infection
  V. Jevtic; Ljubljana/SI
- B. Infection in the appendicular skeleton
  K. Bohndorf; Augsburg/DE
- C. Soft tissue infections
  D.J. Wilson; Oxford/UK

Sunday, March 6, 08:30-10:00, Room L/M
CC 916 Modern imaging of infective disease in the face and pelvis
- A. Cervicofacial infection in the immunocompromised patient
  K. Marsot-Dupuch; Le Kremlin-Bicêtre/FR
- B. Urinary infection
  W. Torreggiani; Dublin/IE
- C. The spectrum of pelvic infection
  A.A. Ghiatas; Athens/GR

Abdominal and Gastrointestinal

Friday, March 4, 08:30-10:00, Room E2
RC 101 MR of the colon and rectum
A. Contrast agents and sequences in MR colonography
  N. Papanikolaou; Iraklion/GR
- B. Clinical applications and results of MR colonography
  T.C. Lauenstein; Essen/DE
- C. MR staging of rectal tumors, problems and pitfalls
  R.G.H. Beets-Tan; Maastricht/NL

Friday, March 4, 16:00-17:30, Room E2
RC 401 Abdominal trauma
- A. The radiologist's role in the trauma team (organisation and triage)
  P. Huppert; Darmstadt/DE
- B. How to image the trauma patient
  O. Chan; London/UK
- C. The role of intervention
  P. Goffette; Brussels/BE

Saturday, March 5, 08:30-10:00, Room E2
RC 501 Liver imaging: Characterisation and pitfalls
- A. Calcifications
  C. Stoupis; Berne/CH
- B. Fat
  C. Valls; Barcelona/ES
- C. Vascular abnormalities
  Y. Menu; Le Kremlin-Bicêtre/FR

Saturday, March 5, 16:00-17:30, Room E2
RC 801 Crohn’s disease of the intestinal tract: Advances in imaging
- A. US and Doppler
  C. Bru; Barcelona/ES
- B. CT and CT enteroclysis
  E.K. Makó; Budapest/HU
- C. MR imaging
  D.J. Lomas; Cambridge/UK

Sunday, March 6, 08:30-10:00, Room E2
RC 901 Impact of multislice CT on imaging of the upper abdomen
- A. Technical advances
  M. Prokop; Utrecht/NL
- B. Bile ducts and pancreatic ducts
  C.D. Becker; Geneva/CH
- C. Liver
  C. Catalano; Rome/IT

Monday, March 7, 08:30-10:00, Room E2
RC 1301 Imaging of the pancreas: Key questions
- A. The choice: US/EUS, CT, MRI
  D. Vanbeekvoort; Leuven/BE
- B. What lesions are difficult at CT?
  R.W. Prokesch; Vienna/AT
- C. Uncommon pancreatic tumors
  T.K. Heimberger; Munich/DE

Tuesday, March 8, 08:30-10:00, Room E2
RC 1701 CT colonography and colon cancer
- A. Epidemiology and evidence for screening
  S.A. Taylor; Harrow/UK
- B. Performance and technique of CT colonography
  A. Laghi; Rome/IT
- C. The practical application of CT colonography
  J. Stoker; Amsterdam/NL

Breast

Friday, March 4, 08:30-10:00, Room E1
RC 102 Breast MR imaging
- A. When and how
  J. Danes; Prague/CZ
- B. MR guided interventional procedures
  T.H. Helbich; Vienna/AT
- C. Future trends: Technique, indications, contrast media
  A. Tardivon; Paris/FR

Saturday, March 5, 08:30-10:00, Room E1
RC 502 Open questions
- A. Technology assessment
  E. Azavedo; Stockholm/SE
- B. Reporting standards
  H. Zonderland; Leiden/NL
- C. Screening planning
  A. Evans; Nottingham/UK

Sunday, March 6, 08:30-10:00, Room E1
RC 902 Diagnostic highlights
- A. Increased lifetime risk
  I. Saarenmaa; Tampere/FI
- B. HRT and other hormone risk markers
  M.G. Wallis; Coventry/UK
- C. Physician-patient relationship
  R. Cherevani; Gorizia/IT
Refresher Courses / Workshops

Monday, March 7, 08:30-10:00, Room E1
**RC 1302 Digital mammography**
- A. Technical aspects and future trends  
  R. Salvador; Barcelona/ES
- B. Logistics and workflow  
  F. Diekmann; Berlin/DE
- C. Screening with digital mammography  
  P. Skaane; Oslo/NO

Monday, March 7, 16:00-17:30, Room E1
**RC 1602 Radiopathological correlation**
- A. Tumoral growth  
  T. Tot; Falun/SE
- B. Size and vascularity  
  J. Teubner; Mannheim/DE
- C. Nodal invasion  
  G. Rizzatto; Gorizia/IT

Friday, March 4, 08:30-10:00, Room F1
**RC 403 Cardiomyopathies**
- A. Hypertrophic cardiomyopathy  
  J. Bogaert; Leuven/BE
- B. Restrictive cardiomyopathy  
  O. Vignaux; Paris/FR
- C. Arrhythmogenic right ventricular cardiomyopathy  
  E. Di Cesare; L'Aquila/IT

Saturday, March 5, 08:30-10:00, Room F1
**RC 504 CT angiography of the chest**
- A. Technique for imaging the great vessels  
  M. Rémy-Jardin; Lille/FR
- B. Normal and variant anatomy  
  M.L. Storto; Chieti/IT
- C. Current role of CT in the evaluation of aortic diseases  
  M. Prokop; Utrecht/NL

Friday, March 4, 16:00-17:30, Room F1
**RC 104 Smoking-related diseases**
- A. Emphysema: State-of-the-art  
  A.A. Bankier; Vienna/AT
- B. Smoking-related interstitial diseases  
  K. Marten; Munich/DE
- C. Sites of airflow obstruction in cigarette smokers  
  A. Oikonomou; Alexandroupolis/GR

Saturday, March 5, 16:00-17:30, Room F1
**RC 804 Imaging of lung cancer**
- A. Screening for lung cancer: Update on results of current trials  
  F. Laurent; Pessac/FR
- B. Staging and follow-up with CT and MRI  
  M. Zompatori; Parma/IT
- C. Staging and follow-up with PET/PET-CT  
  G.K. von Schulthess; Zürich/CH

Sunday, March 6, 16:00-17:30, Room F1
**RC 1204 Multislice CT of the thorax**
- A. Evidence-based optimisation of standard protocols  
  S.M. Ellis; London/UK
- B. Dose reduction in thoracic CT  
  D. Tack; Baudour/BE
- C. The application of post-processing  
  J. Rémy; Lille/FR

Monday, March 7, 16:00-17:30, Room F1
**RC 1604 Thoracic manifestations of extra-thoracic disease**
- A. Lung nodules in patients with extra-thoracic neoplasia  
  S.R. Desai; London/UK
- B. Collagen vascular disease  
  T. Franquet; Barcelona/ES
- C. Multisystem vasculitides  
  K. Malagari; Athens/GR

Tuesday, March 8, 08:30-10:00, Room E1
**RC 1703 Morphological and functional assessment of the heart**
- A. Morphological assessment of the heart  
  V.E. Sinitsyn; Moscow/RU
- B. Assessment of the left heart function  
  N.L. Kelekis; Athens/GR
- C. Assessment of the right heart function  
  M. Gutberlet; Berlin/DE

Tuesday, March 8, 08:30-10:00, Room F1
**RC 1704 HRCT in diffuse lung disease**
- A. Nodular pattern  
  S.P.G. Padley; London/UK
- B. Reticular pattern  
  N.J. Screaton; Cambridge/UK
- C. Ground glass opacities  
  S. Diederich; Düsseldorf/DE
Computer Applications

Friday, March 4, 16:00-17:30, Room P
RC 405 Tele-imaging in Europe today
- A. Introductory lecture on teleradiology
  L. Donoso; Sabadell/ES
- B. The mobile teleradiology
  J. Reponen; Raahe/FI
- C. Results in practice: The Norwegian experience
  J. Størmer; Tromsø/NO

Sunday, March 6, 16:00-17:30, Room P
RC 1205 Building an electronic patient record system
- A. Computer generated reports: A solution
  P. Mildenerger; Mainz/DE
- B. Speech recognition
  J.H. Thrall; Boston, MA/US
- C. Image distribution within the hospital and beyond
  N.H. Strickland; London/UK

Molecular Imaging and Contrast Media

Friday, March 4, 08:30-10:00, Room N/O
RC 106 Contrast media for MRI and US liver imaging
- A. Non-specific and liver-specific paramagnetic contrast media
  G. Morana; Verona/IT
- B. Superparamagnetic contrast media for liver imaging
  P.J.A. Robinson; Leeds/UK
- C. Bubbles for US liver imaging
  T. Albrecht; Berlin/DE

Monday, March 7, 08:30-10:00, Room F1
RC 1306 Molecular imaging
- A. Molecular imaging with PET
  G.K. von Schulthess; Zürich/CH
- B. Cell targeting and cell tracking with MR imaging
  H.E. Daldrup-Link; Munich/DE
- C. Optical imaging
  P. Wunderbaldinger; Vienna/AT

Head and Neck

Friday, March 4, 08:30-10:00, Room G
RC 108 Salivary glands
- A. Choice of imaging technique in patients presenting with salivary gland problems
  A. Borges; Lisbon/PT
- B. The value of MR sialography today
  M. Becker; Geneva/CH
- C. Differential diagnosis in major and minor salivary gland tumors
  N.J.M. Freling; Amsterdam/NL

Friday, March 4, 16:00-17:30, Room K
RC 407 Imaging problem lesions (tumors)
- A. Adrenal imaging
  G.P. Krestin; Rotterdam/NL
- B. Renal imaging
  R. Pozi-Mucelli; Trieste/IT

Saturday, March 5, 08:30-10:00, Room G
RC 508 Imaging in cochlear implant candidates
- A. What the clinician needs to know and why
  F.E. Offeciers; Antwerp/BE
- B. Pre-implant imaging
  J.W. Casselman; Bruges/BE
- C. Post-implant imaging
  C. Zczerney; Vienna/AT

Genitourinary

Friday, March 4, 08:30-10:00, Room K
RC 107 Imaging of the female pelvis
- A. Infertility
  A.J.M. Maubon; Limoges/FR
- B. Endometriosis
  K. Kinkel; Chêne-Bougeries/CH
- C. Adnexal lesions characterization and staging
  C.S. Balleyguier; Paris/FR

Friday, March 4, 16:00-17:30, Room K
RC 407 Imaging problem lesions (tumors)
- A. Adrenal imaging
  G.P. Krestin; Rotterdam/NL
- B. Renal imaging
  R. Pozi-Mucelli; Trieste/IT

Saturday, March 5, 08:30-10:00, Room K
RC 507 Imaging of the uterus
- A. Ultrasound imaging techniques
  G. Seraren; Pietra Ligure/IT
- B. Abnormal gynecological bleeding: What the gynecologist wants to know
  R. Forstner; Salzburg/AT
- C. Staging and follow-up of cervical cancer
  P. Petrov; Geneva/CH

Saturday, March 5, 16:00-17:30, Room K
RC 807 Imaging of stones
- A. Plain film, IVU and ultrasound
  G. Heinz-Peer; Vienna/AT
- B. CT(U) and MRU
  C.C.A. Nolte-Ernsting; Hamburg/DE
- C. Radiation issues and economic aspects
  F. Stacul; Trieste/IT

Monday, March 7, 08:30-10:00, Room G
RC 1307 Multislice CT of the urinary tract
- A. Multislice CT of urothelial tumors
  N.C. Cowan; Oxford/UK
- B. Multislice CT of renal cancer
  U. Müller-Lisse; Munich/DE
- C. Multislice CT in trauma of urinary tract
  M. Hellström; Gothenburg/SE

Saturday, March 5, 08:30-10:00, Room K
RC 507 Imaging of the cervix
- A. Ultrasound imaging techniques
  G. Seraren; Pietra Ligure/IT
- B. Abnormal gynecological bleeding: What the gynecologist wants to know
  R. Forstner; Salzburg/AT
- C. Staging and follow-up of cervical cancer
  P. Petrov; Geneva/CH
Refresher Courses / Workshops

Monday, March 7, 16:00-17:30, Room G
RC 1608 Imaging of skull base tumors: A practical approach for your daily practice
- A. Anterior skull base
  R. Maroldi; Brescia/IT
- B. Central skull base
  S. Köslng; Halle a.d. Saale/DE
- C. Temporal bone
  F. Veillon; Strasbourg/FR

Tuesday, March 8, 08:30-10:00, Room G
RC 1708 How to investigate facial pain
- A. Neuralgia and uncommon causes
  T.J. Vogl; Frankfurt a. Main/DE
- B. Pain of dental origin
  A. Gahleitner; Vienna/AT
- C. Pain related to the temporomandibular joint and muscles of mastication
  S. Robinson; Helsinki/FI

Interventional Radiology

Saturday, March 5, 08:30-10:00, Room H
RC 509 Endovascular treatment in female pelvis
- A. Leiomyomata
  I. Pinto Pabón; Madrid/ES
- B. Ovarian varicocele
  A. Nicholson; Leeds/UK
- C. Post-partum haemorrhage
  J.-P. Pelage; Boulogne/FR

Sunday, March 6, 08:30-10:00, Room H
RC 909 Endovascular treatment of lower limb vascular occlusion
- A. Thrombolysis
  J.A. Reekers; Amsterdam/NL
- B. Uncovered stents vs covered stents
  M. Sapoval; Paris/FR
- C. Infrapopliteal lesions
  A. Bolla; Leicester/UK

Monday, March 7, 08:30-10:00, Room H
RC 1309 Percutaneous tumor ablation
- A. Liver
  P.L. Pereira; Tübingen/DE
- B. Kidney
  P.R. Mueller; Boston, MA/US
- C. Lung
  R. Lencioni; Pisa/IT

Monday, March 7, 16:00-17:30, Room H
WS 1609 Percutaneous access to the abdomen
- A. Abscesses drainage
  M. Bezzi; Rome/IT
- B. Biliary drainage
  A. Adam; London/UK
- C. Interventions in the renal pelvis and ureter
  C. Allen; London/UK

Tuesday, March 8, 08:30-10:00, Room H
RC 1709 Venous occlusion
- A. Deep venous thrombosis
  H. Bjarnason; Rochester, MN/US
- B. Vena cava management
  C.L. Zollikofer; Winterthur/CH
- C. Pulmonary embolism: Protection and treatment
  T. Schmitz-Rode; Aachen/DE

Workshops on Interventional Radiology

Friday, March 4, 08:30-10:00, Room I
WS 118 Abdominal intervention
- A. Thermal ablation of liver tumors
  P. Cabassa; Brescia/IT
- B. Management of gastrointestinal bleeding
  A. Denys; Lausanne/CH
- C. Percutaneous gastrostomy/Gastrojejunostomy
  J. Seitz; Regensburg/DE

Friday, March 4, 16:00-17:30, Room I
WS 418 Arterial and venous liver intervention
- A. Portal venous embolization
  A.J. Roche; Villejuif/FR
- B. Chemoembolization
  I. Battany; Pécs/HU
- C. Budd Chiari syndrome
  J.-I. Bilbao Jaureguizar; Pamplona/ES

Saturday, March 5, 16:00-17:30, Room I
WS 818 Pediatric intervention
- A. Oesophageal interventions in children
  D. Roebuck; London/UK
- B. Treatment of vascular malformations outside the central nervous system
  F. Brunelle; Paris/FR
- C. Angioplasty and arterial stenting in children
  C. McLaren; London/UK

Sunday, March 6, 08:30-10:00, Room I
WS 918 Urological intervention
- A. Nephrostomy and ureteric stenting
  F. Cornud; Paris/FR
- B. Thermal ablation of renal tumors
  P.R. Mueller; Boston, MA/US
- C. Renal arterial intervention
  P.M.T. Pattynama; Rotterdam/NL
Tuesday, March 8, 08:30-10:00, Room N/O
WS 1718 Chest intervention
- A. Tracheobronchial stenting
  T. Sabharwal; London/UK
- B. Pulmonary vascular intervention
  J.E. Jackson; London/UK
- C. Thermal ablation of lung tumors
  T.K. Helmberger; Munich/DE

Musculoskeletal

Friday, March 4, 08:30-10:00, Room B
RC 110 Sports injuries
- A. Ligamentous injuries of the knee revisited
  O. Papakonstantinou; Iraklion/GR
- B. How to measure and monitor it
  S. Grampp; Vienna/AT
- C. Trauma of the appendicular skeleton
  N. Boutry; Lille/FR

Saturday, March 5, 08:30-10:00, Room B
RC 510 Osteoporosis and osteopenia
- A. Acquired osteoporosis
  J.E. Adams; Manchester/UK
- B. How to measure and monitor it
  S. Grampp; Vienna/AT
- C. Juvenile osteopenia
  T.M. Link; San Francisco, CA/US

Saturday, March 5, 16:00-17:30, Room B
RC 810 Bone marrow disorders as a manifestation of disease
- A. How to image bone marrow
  A. Stäbler; Munich/DE
- B. Tumors
  F. Lecouvet; Brussels/BE
- C. Non-neoplastic marrow disorders
  A.H. Karantanas; Larissa/GR

Sunday, March 6, 08:30-10:00, Room B
RC 910 Wrist
- A. Plain films revisited with MSCT and MRI
  A. Blum; Nancy/FR
- B. MRI and US of chronic pain
  M. Zanetti; Zürich/CH
- C. Dynamic studies: MR and US clinical applications
  M. Mastantuono; Rome/IT

Monday, March 7, 08:30-10:00, Room B
RC 1310 Shoulder joint
- A. Acute and chronic shoulder injuries: US and MRI
  F. Kainberger; Vienna/AT
- B. Soft tissue mass in the shoulder region: US and MRI
  P.W.P. Bearcroft; Cambridge/UK
- C. Postoperative shoulder US and MRI
  C. Faletti; Turin/IT

Monday, March 7, 16:00-17:30, Room F2
RC 1610 Inflammatory joint disease
- A. Plain film analysis
  M. Cobby; Bristol/UK
- B. What's new in sero negative joint disease?
  A.G. Jurik; Århus/DK
- C. What's new in rheumatoid arthritis?
  P. O'Connor; Leeds/UK

Tuesday, March 8, 08:30-10:00, Room B
RC 1710 Knee joint
- A. Soft tissue structures of the knee with US and MRI
  E.G. McNally; Oxford/UK
- B. MR-based cartilage imaging in the knee prior and after transplantation
  C. Glaser; Munich/DE
- C. Postoperative knee
  V.N. Cassar-Pullicino; Oswestry/UK

Neuro

Friday, March 4, 08:30-10:00, Room F2
RC 111 Imaging of normal anatomy and function
- A. Brain morphology and function
  F. Di Salle; Naples/IT
- B. Brain stem and cranial nerves
  J.W. Casselman; Bruges/BE
- C. Spine, spinal cord and circulation of cerebrospinal fluid
  M. Schumacher; Freiburg/DE

Friday, March 4, 16:00-17:30, Room F2
RC 411 Functional MRI
- A. Technique, protocols and stimulation equipment
  S. Sunaert; Leuven/BE
- B. Clinical applications of fMRI for intracranial tumors and epilepsy
  C. Stippich; Heidelberg/DE
- C. fMRI for evaluation of brain plasticity in multiple sclerosis, stroke and trauma
  A. Bizzi; Milan/IT

Saturday, March 5, 16:00-17:30, Room F2
RC 811 Orbit and visual system
- A. Imaging of orbital pathology
  P. Sosnowski; Poznan/PL
- B. Imaging of optic chiasm and visual tract diseases
  W. Müller-Forelli; Mainz/DE

Sunday, March 6, 08:30-10:00, Room F2
RC 911 Radiological vascular interventions
- A. Aneurysms and vascular malformations
  I. Szikora; Budapest/HU
- B. Acute stroke and transarterial treatment
  G. Wikholm; Gothenburg/SE
- C. Carotid stenting
  C. Cognard; Toulouse/FR
Sunday, March 6, 16:00-17:30, Room F2
RC 1211 Diffusion and perfusion MR imaging of the brain
  • A. Imaging technique and protocols, post-processing
    L. Østergaard; Århus/DK
  • B. Clinical applications of diffusion and perfusion MR of the brain
    P. Reimer; Karlsruhe/DE
  • C. Diffusion tensor imaging and fibre tracking
    C. Oppenheim; Paris/FR

Monday, March 7, 08:30-10:00, Room F2
RC 1311 MR spectroscopy of the brain in clinical practice
  • A. Technique and protocols
    E. Rubæk Danielsen; Copenhagen/DK
  • B. Clinical applications of MRS: Focal lesions
    I.M. Björkman-Burtscher; Lund/SE
  • C. Clinical applications of MRS: Diffuse lesions
    P.J.W. Pouwels; Amsterdam/NL

Tuesday, March 8, 08:30-10:00, Room F2
RC 1711 Pediatric neuroradiology
  • A. Congenital lesions of the brain
    N. Girard; Marseille/FR
  • B. Non-accidental head injury/child abuse
    O. Flodmark; Stockholm/SE
  • C. Hydrocephalus
    S. Cakirer; Istanbul/TR

Monday, March 7, 16:00-17:30, Room K
RC 1612 Emergencies in pediatrics
  • A. Abdominal distension in the neonate
    T. Berrocal; Madrid/ES
  • B. Imaging in neonatal distress
    B. Smievik; Oslo/NO
  • C. The asphyxiated newborn: Role of new MRI techniques
    E. Whitby; Sheffield/UK

Tuesday, March 8, 08:30-10:00, Room K
RC 1712 Musculoskeletal imaging
  • A. Imaging in juvenile idiopathic arthritis
    K.J. Johnson; Birmingham/UK
  • B. Avascular necrosis of the capital femoral epiphysis in children
    G. Remsei; Winterthur/CH
  • C. Imaging of malignant tumors of the long bones in children: What to do or not to do
    H. Brisse; Paris/FR

Physics in Radiology
Saturday, March 5, 08:30-12:00, Room F2
EFOMP Workshop
  • New techniques in diagnostic radiology: The inescapable growth of information technology
    *Programme to be announced

Saturday, March 5, 16:00-17:30, Room H
RC 813 Special issues of radiation exposure in diagnostic radiology
  • A. Minimizing radiation doses to pediatric patients
    M. Raissaki; Iraklion/GR
  • B. Topics in radiation protection to be learned by radiologists
    K. Perisinakis; Iraklion/GR
  • C. Pregnant employees working in diagnostic radiology
    J. Damilakis; Iraklion/GR

Sunday, March 6, 08:30-10:00, Room N/O
RC 913 Medical image registration: Methods, applications and validation
  • A. A tutorial on algorithms and methods
    D. Rueckert; London/UK
  • B. Applications
    D. Hawkes; London/UK
  • C. Strategies for validation
    A. Todd-Pokropek; London/UK

Sunday, March 6, 16:00-17:30, Room G
RC 1213 Safety considerations in MR
  • A. Biophysical effects and MR safety
    J.M.L. Engels; Best/NL
  • B. Clinical safety practice
    J. de Wilde; London/UK
  • C. Interventional MRI: Safety considerations for patients and personnel
    A. Böcker; Aachen/DE
Monday, March 7, 08:30-10:00, Room N/O
RC 1313 Quality control and dose reduction in digital radiology
- A. Principles of flat panel X-ray detectors and photostimulable plates
  B. Geiger; Forchheim/DE
- B. Managing patient dose in digital radiology
  E. Vano; Madrid/ES
- C. Quality assurance in digital radiology: How we do it
  C. Schilz; Trier/DE

Monday, March 7, 16:00-17:30, Room N/O
RC 1613 Justification and optimization of multislice CT (MSCT) examinations
- A. Justification of MSCT examinations
  J. Geleijns; Leiden/NL
- B. MSCT: Balancing image quality and dose
  W.A. Kalender; Erlangen/DE
- C. Optimization of pediatric MSCT examinations
  S. Puig; Vienna/AT

Radiographers

Saturday, March 5, 08:30-10:00, Room N/O
RC 514 MRI/Neuroimaging
- A. MR 3 Tesla body
  B. Hansson; Lund/SE
- B. Neuroimaging and analysis techniques for research into brain structure and function
  V. Sluming; Liverpool/UK

Sunday, March 6, 16:00-17:30, Room L/M
RC 1214 Pediatrics/Radiography
- A. Radiographer’s role in optimisation of child’s radiation doses
  A. Kettunen; Oulu/FI
- B. Radiographer reporting
  D. Keane; South Tyneside/UK
- C. Pros and cons of radiographer reporting: A radiologist’s viewpoint
  P.A. Dubbins; Plymouth/UK

Monday, March 7, 08:30-10:00, Room L/M
RC 1314 Professional matters
- A. Recruitment and retention of radiographic staff
  T. O’Connor; Galway/IE
- B. HENRE (Higher Education Network for Radiography in Europe):
  Education - A. Kettunen; Oulu/FI
  Learning methods - J.J.J.M. Peeters; Eindhoven/NL
  Continuous professional development (CPD) - G. Marshall; Lancaster/UK

Monday, March 7, 16:00-17:30, Room L/M
RC 1614 CT
- A. CT multitrauma protocol
  A. Hartvig Sode, P. Beyer-Jørgensen; Odense/DK
- B. Multislice CT: Introduction and application
  A. Riemer; Neuss/DE

Tuesday, March 8, 08:30-10:00, Room L/M
RC 1714 Breast imaging
- A. Breast cancer and imaging
  D. Scott; Liverpool/UK
- B. Softcopy display of mammograms
  L. Costaridou; Patras/GR

Vascular

Saturday, March 5, 08:30-10:00, Room I
RC 515 Venous imaging and intervention
- A. CT of thromboembolic disease
  E.J.R. van Beek; Sheffield/UK
- B. MR venography
  J.F.M. Meaney; Dublin/IE
- C. DVT and interventional therapy: Fact or fiction
  M.J. Sharafuddin; Iowa City, IA/US

Sunday, March 6, 16:00-17:30, Room I
RC 1215 Vascular imaging
- A. MRA: Basic principles and clinical applications
  G.M. Bongartz; Basle/CH
- B. CTA: Basic principles and clinical applications
  M. Prokop; Utrecht/NL
- C. Sonography: New directions
  P. Landwehr; Hannover/DE

Monday, March 7, 16:00-17:30, Room I
WS 1615 Imaging of atherosclerotic plaques
- A. CT and EBT for coronary plaque detection
  F. Cademartiri; Rotterdam/NL
- B. MRI of the vessel wall
  R.H. Mohiaddin; London/UK
- C. Molecular imaging of vulnerable plaques
  I. Carrió; Barcelona/ES

Tuesday, March 8, 08:30-10:00, Room I
WS 1715 Planning issues in vascular radiological intervention
- A. How to set up an endovascular centre
  L.A. Jacob; Basle/CH
- B. Mapping peripheral vascular disease
  M. Cowling; Stoke-on-Trent/UK
## Interactive Image Teaching Sessions

**Friday, March 4, 14:00-15:30**
E³ 320  
**Acute abdomen**
- G.P. Krestin; Rotterdam/NL
- B. Marincek; Zürich/CH

**Saturday, March 5, 16:00-17:30**
E³ 820  
**Mediastinal masses**
- J. Cáceres; Barcelona/ES
- J. Vilar; Valencia/ES

**Monday, March 7, 08:30-10:00**
E³ 1320  
**Paranasal sinuses**
- T.J. Vogl; Frankfurt a. Main/DE
- M. Mack; Frankfurt a. Main/DE

**Monday, March 7, 14:00-15:30**
E³ 1520  
**Cervical spine trauma**
- D.J. Wilson; Oxford/UK
- C. van Kuik; Amsterdam/NL

## Foundation Course: Chest Radiology

**Friday, March 4, 08:30-10:00**
E³ 120  
**Anatomy and basic signs in imaging**
- A. Normal anatomy
  - J. Cáceres; Barcelona/ES
- B. Basic findings and signs in imaging
  - T. Franquet; Barcelona/ES

**Friday, March 4, 16:00-17:30**
E³ 420  
**Interstitial and alveolar disorders**
- A. Diffuse infiltrative lung disease
  - D.M. Hansell; London/UK
- B. Alveolar lung disease and atelectasis
  - P.A. Grenier; Paris/FR

**Saturday, March 5, 08:30-10:00**
E³ 520  
**Airways and infection**
- A. Airway disorders and hypolucen lungs
  - J.A. Verschakelen; Leuven/BE
- B. Pneumonia and disorders in the immunoincompetent host
  - C.J. Herold; Vienna/AT

**Saturday, March 5, 14:00-15:30**
E³ 720  
**Vascular, emergency and ICU imaging**
- A. Vascular disease and lung edema
  - M. Prokop; Utrecht/NL
- B. Trauma, emergency and ICU imaging
  - P. Schnyder; Lausanne/CH

**Sunday, March 6, 08:30-10:00**
E³ 920  
**Nodules and neoplasms**
- A. Solitary and multiple pulmonary nodules
  - A.A. Bankier; Vienna/AT
- B. Staging of non-small cell and small cell lung cancer
  - P. Armstrong; London/UK

**Sunday, March 6, 16:00-17:30**
E³ 1220  
**Wrapping it up ...**
- A. The pleura and diaphragm
  - M. Maffessanti; Trieste/IT
- B. Mediastinal disease
  - K. Malagari; Athens/GR

## Further E³ Sessions in "La Scala"

**Friday, March 4, 10:30-11:15**
E³ 220a  
**Radiology on the web**
- D. Caramella; Pisa/IT

**Friday, March 4, 11:15-12:00**
E³ 220b  
**E-mail for the radiologist**
- E.R. Ranschaert; s'-Hertogenbosch/NL

**Saturday, March 5, 10:30-11:15**
E³ 620a  
**Logistic implications of MSCT**
- A.K. Dixon; Cambridge/UK
- B. Housden; Cambridge/UK

**Saturday, March 5, 11:15-12:00**
E³ 620b  
**How to write a successful grant proposal**
- L. Everse; Rotterdam/NL

**Sunday, March 6, 10:30-12:00**
E³ 1020  
**Error in radiology**
- A. Uncertainty, discrepancy and error in radiology
  - R. FitzGerald; Wolverhampton/UK
- B. Pitfalls in emergency radiology
  - O. Chan; London/UK
- C. Pitfalls in musculoskeletal MR imaging
  - W.C.G. Peh; Singapore/SG

... more to be announced
"Hands-on" Workshops

**Musculoskeletal US**

*Co-ordination:*  
L. Derchi; Genoa/IT  
N. Grenier; Bordeaux/FR

Continued from ECR 2004, this “hands-on” workshop is organized to provide participants with an introduction to the most important applications of US in the musculoskeletal system. The use of US for the study of the muscles, tendons and joints is rapidly increasing, and is becoming the first approach to a large variety of clinical situations. However, these studies are quite demanding in terms of technical expertise, and their results are strongly dependent on the examiner’s anatomical knowledge, experience and clinical skills.

Participants will have the opportunity to attend a series of lectures on the most important and most requested US examinations of the musculoskeletal system. Then, during practical sessions, they will be instructed how to perform US examinations of the shoulder, the elbow, the hand and wrist, the knee and the ankle, guided by well known experts in this field. State-of-the-art equipment will be available and sessions will be arranged to allow time for each participant to perform examinations under supervision.

It is recommended that participants attend the complete course.

**Learning objectives:**

- To know how to perform the US studies of the shoulder and of the upper and lower limbs.
- To know the normal anatomy of the examined regions, as well as the most important pathological findings.
- To know the most important clinical indications to these examinations.

**Registration:**

The number of participants of each session is restricted. No pre-registration will be available. Attendance for the theoretical introduction and lectures will be allocated on a first-come, first-served basis. Attendees of the lectures will receive a voucher for the “hands-on” session of the same day.

**Vertebroplasty**

*Co-ordination:*  
A. Gangi; Strasbourg/FR  
T. Sabharwal; London/UK

Percutaneous vertebroplasty has become an established procedure for bone stability and pain relief in selected patients who have diseased (metastasis, osteoporosis, haemangioma) vertebral bodies. There are more than 200 publications in the literature, some with large series and favourable mid-long term follow-up results.

Continued from ECR 2004, this workshop will give an insight in the principles and technique for the procedure. The workshop will start with a 30-minute introduction and brief review of the principle and indications for percutaneous vertebroplasty. This will be followed by hands-on demonstration and practice for participants in needle placement, cement preparation and injection. Work will be carried out on plastic spine models under fluoroscopic guidance. During this period there should be opportunities for answering direct questions.

**Learning objectives:**

- To understand the basic principle and literature update on the procedure.
- To practice and learn needle placement using fluoroscopic guidance into spinal vertebral body model.
- To learn and practice cement preparation and injection under fluoroscopic guidance.

**Registration:**

The number of participants at each session is restricted. Participants need to register in advance (www.ecr.org) from November 1, 2004 to February 1, 2005 and have to pay a fee of € 70.-.

**Target group:**

This workshop is targeted at radiologists who perform bone biopsies and are likely to start percutaneous vertebroplasty procedures as well as those who have some experience and wish to consolidate their knowledge and practice. Each workshop can be attended by 12 participants.

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**Time Schedule:**

**Sunday, March 6**

*WS 921 08:30-10:00*

**Theoretical introduction**

A. Basic US for anatomy and pathological findings of the musculoskeletal system  
B. US of the shoulder: Examination techniques, normal anatomy, clinical indications and pathological findings

*WS 1021 10:30-12:00*

**“Hands on”: US of the shoulder**

**Monday, March 7**

*WS 1321 08:30-10:00*

**Lectures**

A. US of the elbow  
B. US of the wrist and hand

*WS 1421 10:30-12:00*

**“Hands on”: US of the upper limb**

**Tuesday, March 8**

*WS 1721 08:30-10:00*

**Lectures**

A. US of the knee  
B. US of the ankle

*WS 1821 10:30-12:00*

**“Hands on”: US of the lower limb**

**Friday, March 4**

*WS 222 10:30-12:00*

**Saturday, March 5**

*WS 622 10:30-12:00*

**Sunday, March 6**

*WS 1022 10:30-12:00*
"Hands-on" Workshops

**Screening Mammography Interpretation Test**

*Co-ordination: J.H.C.L. Hendriks, R. Holland, H.J.T.M. Rijken; Nijmegen/NL*

Continued for a fifth time after ECR 2000, 2001, 2003 and 2004, but this time in 2005 with a fully digital set-up. This practical, interactive training session enables participants to test their skills and improve their performance on everyday mammographic screening. Each of the ten PCs will be loaded with 30 different screening cases, of which 3 to 5 cases are positive. The participant must decide for each case whether the woman has to be sent for further assessment or not. 40 minutes are allowed to screen the 30 cases of one PC. A maximum of two persons at the same time will perform the screening test per work station. Therefore, 20 participants will carry out the test in each 40 minutes. On a test form the participant marks the referred and non-referred cases. By comparing the test form with the master sheet the participant can evaluate his/her test results including sensitivity and specificity. In the last 20 minutes the cases will be discussed with the expert team, using the original mammograms, ultrasound and specimen X-rays and will be correlated with the pathological outcome.

18 workshops will take place from Saturday, March 5 to Monday, March 7. Each workshop is scheduled for 60 minutes. The PCs contain different sets of cases, therefore, it is possible to attend ten workshops without testing the same cases.

The number of participants at each session is restricted to 20. Attendance places will be allocated on a first-come, first-served basis.

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**Basic Life Support for Radiologists**

*Co-ordination: O. Clément; Paris/FR W. Schima; Vienna/AT*

This workshop is organised by the European Working Group on Contrast Agents and supported by the Department of Emergency Medicine, University Hospital of Vienna, Austria.

Basic life support (BLS) including the use of an automated external defibrillator (AED) is expected to be performed adequately from every person involved in patient care (health care professional). Advances and new developments are updated and published by international and national societies about every 4 years. Training based on current guidelines is rational for continuous quality control. Case-oriented training will be provided in this workshop, which is organised for small groups of 10 people and will be performed 8 times during ECR 2005.

A first theoretical part of 30 minutes covers the fundamental aspects of adverse reactions to contrast media, in particular cardiovascular and allergic or pseudo-allergic ones. Since non-ionic contrast agents are becoming more and more widely used, the incidence of mild adverse events has decreased, but the event of a serious adverse reaction, in particular an anaphylactic shock remains possible. Hence, every radiologist should be prepared to manage mild to severe complications due to anaphylactic reactions. Alertness of radiographer and physician for any kind of patient discomfort during the examination is necessary and in case of unexpected events, treatment should follow standardised algorithms. Therefore evidence-based guidelines should be provided in every examining unit. Constant training should warrant the management of any kind of emergency.

The second part of the workshop (60 minutes) includes practical training on manikins based on current international guidelines for cardiopulmonary resuscitation and emergency cardiac care. It covers the assessment and management of an unconscious casualty, airway management and cardiopulmonary resuscitation, including principles of basic and advanced life support. Training with automated external defibrillators (AED’s) is included and the use of appropriate drugs is reviewed.

**Learning objectives:**

- To know the basis of allergic or pseudo-allergic reaction to contrast media.
- To know how to differentiate allergic from non-allergic cardiovascular reactions.
- To know how to handle an anaphylactic shock, a bronchospasm, a cardiac arrest.

Each attendee will receive a multiple choice questionnaire for self evaluation as well as a certificate of attendance.

**Registration:**

The number of participants at each session is restricted. Participants need to register in advance (www.ecr.org) from November 1, 2004 to February 1, 2005 and have to pay a fee of € 30.-.
The workshop will be held in two sessions of 90 minutes each and is limited to a maximum of 30 participants per session. A theoretical introduction of 15 minutes covers techniques, indications and contraindications, results and complications of RFA in different tumours. This will be followed by 15 minutes “Tips and tricks” including case presentations to teach how to improve outcome or decrease the chance of complications. The “hands-on” part of 60 minutes includes ultrasound-guided ablations in cow livers by using different RF generators and electrodes.

Learning objectives:
- To assess indications and contraindications for RFA in different tumour entities.
- To discuss approaches and methods that can improve outcome or decrease the chance of complications.
- To learn how to handle different equipment and electrodes available for RFA.
- By the end of the workshop the participants should have a good understanding of the spectrum of clinical indications of RFA and be familiar with the different techniques.

Registration:
The number of participants at each session is restricted. Participants need to register in advance (www.ecr.org) from November 1, 2004 to February 1, 2005 and have to pay a fee of € 70.-.