



RADIOGRAPHER SESSIONS

THURSDAY

Scientific Sessions

Thursday, March 7, 2013, 10:30–12:00, Room Q

SS 114: Importance of education in practice

Moderators:

R. Ribeiro; Lisbon/PT, T. Roding; Haarlem/NL

10:30

B-0131 Risk management in radiology: applying failure mode effects and criticality analysis in computer tomography

M. Antoniutti, C. Maso, N. Vecchiato, S. Doratiotto; Treviso/IT

10:39

B-0132 How important is the experience in breast imaging for radiographers performing breast-MRI?

P. Clauser, V. Londero, C. Molinari, R. Girometti, S. Da Dalt, C. Zuiani, M. Bazzocchi; Udine/IT

10:48

B-0133 Radiography authorship: a European and international review

B. Snaith; Wakefield/UK

10:57

B-0134 The influence of clinical placement setting on academic achievement within an undergraduate diagnostic radiography programme

E. Lewis, M. Hardy; Bradford/UK

11:06

B-0135 Use of radiation in operating theatres in Finland

P. Heikkilä¹, A. Henner¹, P. Tenkanen-Rautakoski², M. Pirinen², S.-M. Ahonen¹; ¹Oulu/FI, ²Helsinki/FI

11:15

B-0136 Information-seeking behaviour of radiographers

L. Sancho¹, A.F.C.L. Abrantes¹, L.P.V. Ribeiro¹, R.P.P. Almeida¹, S.I. Rodrigues¹, C.A. Silva²; ¹Faro/PT, ²Evora/PT

11:24

B-0137 Dose reduction in computer tomography, the effects of technologist training on the number of extra anatomic images

T.W.F. Pappot, M.E.J. Pijl; Arnhem/NL

11:33

B-0138 Evidence-based practice in radiology

M. Dias¹, A.F.C.L. Abrantes¹, C.A. Silva², R.P.P. Almeida¹, L.P.V. Ribeiro¹, J. Pinheiro¹, K.B. Azevedo¹;
¹Faro/PT, ²Evora/PT

11:42

B-0139 Radiographers quality assurance work: resistance and cooperation

R. Gullien, J.G. Andersen, A.E. Haakull; Oslo/NO

11:51

B-0140 Radiographers' knowledge about adverse reactions to iodinated contrast media

A. Santos, L. Capitolina, I. Silva, A. Saraiva; Coimbra/PT

Thursday, March 7, 2013, 14:00–15:30, Room Q

SS 214: Managing quality and dose in CT

Moderators:

E. Agadakos; Athens/GR, A. Yule; Cardiff/UK

14:00

B-0270 Personalised low dose chest CT applying adaptive iterative dose reduction algorithm (AIDR 3D) integrated automatic exposure control techniques with 320-slice MDCT: initial clinical trial

X. Chen; Guangzhou/CN

14:09

B-0271 Feasibility of low dose protocol at 640-slice dynamic volume CT for diagnosing central airways narrowing

Z.-X. Ding, Z. Wang; Hangzhou/CN

14:18

B-0272 Conducting a national diagnostic reference level survey for computed tomography examinations: the Portuguese experience

J. Santos¹, S. Foley², G. Paulo¹, M.F. McEntee³, L. Rainford²; ¹Coimbra/PT, ²Dublin/IE, ³Sydney/AU

14:27

B-0273 Comparison of image quality between left and right arm injection of contrast agent in computed tomography of carotid arteries

D. Hribar, N. Djuric, S. Sterzaj, T. Holc, M. Kovacic, A. Janezic; Ljubljana/SI

14:36

B-0274 Dose assessment in paediatric head computed tomography examinations

C.L.D.C. Fernandes, S.I. Rodrigues, A.F.C.L. Abrantes, L.P.V. Ribeiro, R.P.P. Almeida, C.A. Silva, K.B. Azevedo; Faro/PT

14:45

B-0275 Dose values in eye lens in paediatric brain computed tomography: influence of different protocols

C. Carrico¹, M. Inacio¹, A. Kristiansen², M. Larsen², J. Santos¹, S. Holm², G. Paulo¹; ¹Coimbra/PT, ²Odense/DK

14:54

B-0276 Influence of different arm positioning of MSCT of chest by apply automatic tube current modulation technique

Z.-X. Ding, Z. Wang; Hangzhou/CN

15:03

B-0277 The effectiveness of lead apron for radiation protection in CT

N. Weber, P. Monnin, C. Elandoy, S. Ding; Lausanne/CH

15:12

B-0278 Optimisation of local diagnostic reference levels in head computed tomography

M. Monteiro, A. Carvalho, J. Matias, J. Santos; Coimbra/PT

15:21

B-0279 Comparison of radiation dose and image quality between sequential and spiral and spiral brain CT

I. Pace, F. Zarb; Msida/MT

FRIDAY

Scientific Session

Friday, March 8, 2013, 10:30–12:00, Room Q

SS 514: The radiographer's role as health care team member

Moderators:

V. Syrgiamiotis; Athens/GR, C. Vandulek; Kaposvár/HU

10:30

B-0380 How do radiographers interact with children in the radiographic examination?

B. Bjorkman¹, K. Enskar¹, M. Golsater¹, R.J. Simeonsson²; ¹Jonkoping/SE, ²Chapel Hill, NC/US

10:39

B-0381 Requesting x-rays at the right time to utilise the capacity of the radiology department: an everyday challenge

M. Mowinckel-Nilsen; Os/NO

10:48

B-0382 Risk management in computed tomography using an incident reporting system

M. Antoniutti, S. Doratiotto; Treviso/IT

10:57

B-0383 Is a radiographer-led immediate reporting service for emergency department referrals a cost-effective initiative?

M. Hardy¹, B. Snaith²; ¹Bradford/UK, ²Wakefield/UK

11:06

B-0384 An investigation into the ability of Irish radiographers: in the identification of wrist and scaphoid fractures

A.P. Tyrrell¹, L. Rainford²; ¹Kilkenny/IE, ²Dublin/IE

11:15

B-0385 Workloads of reporting radiographers and sonographers: cost-effectiveness compared with consultant radiologist

W.P. Hedges¹, S.H. Khan²; ¹Lancaster/UK, ²Blackburn/UK

11:24

B-0386 Radiographer's expectations for role development: a national survey in view of radiography students in final year of graduation

C.M. Mendes, A.F.C.L. Abrantes, R.P.P. Almeida, L.P.V. Ribeiro, S.I. Rodrigues; Faro/PT

11:33

B-0387 Job satisfaction among radiographers in Switzerland: a national survey

N. Richli Meystre, P. Lehmann, N. Mamboury; Lausanne/CH

11:42

B-0388 Progression of quality improvement works in radiography by radiographers

R. Gullien, J.G. Andersen, A.E. Haakull; Oslo/NO

11:51

B-0389 Radiographer contribution to the interpretation of trauma radiographs: a survey of UK practice

B. Snaith¹, M. Hardy², E. Lewis¹; ¹Wakefield/UK, ²Bradford/UK

Refresher Course

Friday, March 8, 16:00–17:30, Room P

RC 714: Clinical audit: from EURATOM to the clinical environment

Moderators:

E.J. Adam; London/UK, D. Pronk-Larive; Middelburg/NL

A. Clinical audit: from the EURATOM treaty to EU guidelines: clinical audit RP 159

P. Wood; Helsinki/FI

B. Implementation in practice: a comparison of different models

S. Geers-van Gemeren; Utrecht/NL

C. A perspective on the impact and benefits of clinical audit

S. O'Connor; Dublin/IE

Special Focus Session

Friday, March 8, 16:00–17:30, Room F1

SF 7a: Radiographers and ultra sonography in Europe

● **Chairmen's introduction**

D. Pekarovic; Ljubljana/SI, V. Vilgrain; Clichy/FR

● **Levels of training and competencies across Europe**

M. Stanton; Dublin/IE

● **The role and impact of the radiographer conducted US in Portugal**

R. Ribeiro; Lisbon/PT

● **Evolution of radiography education for US in the Netherlands since 1990, and its influence on their role**

G. Plug; Haarlem/NL

- **Panel discussion:**
What are the challenges and barriers facing role extension?

SATURDAY

Scientific Session

Saturday, March 9, 2013, 10:30–12:00, Room Q
SS 914: Dose optimisation as daily challenge

Moderators:

P. Blackburn Andersen; Kolding/DK, A. Petakovic; Novo Mesto/SI

10:30

B-0600 Estimating organs cancer incidence related to patient radiation exposure following PCI for acute and chronic coronary total occlusion

D. Maccagni; Milan/IT

10:39

B-0601 Project retake: quality assurance of radiation hygiene by maintaining image quality

S.M. Khan; Oslo/NO

10:48

B-0602 Implementation of a quality control program in a radiology department

M. Leao, L.P.V. Ribeiro, A.F.C.L. Abrantes, J. Pinheiro, R.P.P. Almeida, K.B. Azevedo, S.I. Rodrigues; Faro/PT

10:57

B-0603 Assessment of radiological imaging conformities based in quality control charts

S. Candido, A.M. Ribeiro, L.P.V. Ribeiro, A.F.C.L. Abrantes, J. Pinheiro, K.B. Azevedo, R.P.P. Almeida; Faro/PT

11:06

B-0604 A review of diagnostic imaging frequency to aid research exploring the issue of consent for higher dose paediatric examinations

J.L. Portelli¹, J. McNulty², S. Mohan², P. Bezzina¹, L. Rainford²; ¹Msida/MT, ²Dublin/IE

11:15

B-0605 An approach for Portuguese diagnostic reference levels for bedside chest radiography

A. Sousa, S. Serem, J. Santos, G. Paulo; Coimbra/PT

11:24

B-0606 An investigation into the relationship between the exposure index value and image quality

M.-L. Butler, L. Rainford; Dublin/IE

11:33

B-0607 Attenuation of anode heel effect with an aluminum filter and their influence on patient dose in lumbar spine radiography

J. Soares, R. Dores, P. Sousa, S.I. Rodrigues, L.P.V. Ribeiro, A.F.C.L. Abrantes, R.P.P. Almeida;
Faro/PT

11:42

B-0608 Antero-posterior (AP) pelvic radiography: collimator errors and their effects on radiation dose

H. Brookfield¹, A.S. Manning-Stanley², A. England¹; ¹Liverpool/UK, ²Salford/UK

11:51

B-0609 Breast shielding significantly reduces breast dose during lumbar spine radiography

N. Mekiš, D. Žontar, D. Škrk; Ljubljana/SI

EFRS meets Spain

Saturday, March 9, 14:00–15:30, Room B

EFRS meets Spain

(European Federation of Radiographer Societies)

EM 5: Knowledge development as a tool for radiographers' professional improvement

Presiding:

G. Paulo; Coimbra/PT

C. Ruiz Blanco; Madrid/ES

● **Introduction**

G. Paulo; Coimbra/PT

C. Ruiz Blanco; Madrid/ES

● **The Spanish radiographer's role in advanced MRI research**

E. Alfayate Sáez; Madrid/ES

● **The radiographer's specialisation in ultrasound: two decades of experience in a public hospital**

M.P. Peña Fernández; Madrid/ES

● **Interlude: Radiology and Spanish art**

C. Ruiz Blanco; Madrid/ES

● **The radiographer as the interface between patient and technology in promoting safety in radiation protection**

J.A. Sória Jerez; Madrid/ES

● **Educational status of radiographers in Spain: comparison with the EU**

M.R. Soto García; Barcelona/ES

● **Panel discussion:**

Could a transnational and multi-professional combined statement contribute to professional development?

Refresher Course

Saturday, March 9, 16:00–17:30, Room P

RC 1114: Hot topics in magnetic resonance imaging

Moderators:

K. Haller; Wiener Neustadt/AT, L. Martí-Bonmatí; Valencia/ES

A. New trends in MR safety

P. Bauer; Vienna/AT

B. MR spectroscopy: the role of radiographers in data optimisation

J. McNulty; Dublin/IE

C. Challenges and opportunities in paediatric MR

V. Syrgiamiotis; Athens/GR

SUNDAY

Refresher Courses

Sunday, March 10, 08:30–10:00, Room P

RC 1214: Dose optimisation in computed tomography

Moderators:

G. Frija; Paris/FR, D. Pekarovic; Ljubljana/SI

A. Innovations in dose optimisation

S. Foley; Dublin/IE

B. Developing patient specific examination protocols

H. Precht; Odense/DK

Sunday, March 10, 14:00–15:30, Room P

RC 1414: Towards advancing and developing the role of radiographers

● **Chairmen's introduction**

S. Mathers; Aberdeen/UK, J.-F. Meder; Paris/FR

A. The current status: a clinical perspective

C. McLaren; London/UK

B. The importance of evidence-based practice for the future of advanced practice in radiography

A. England; Liverpool/UK

C. The view from the European level

G. Paulo; Coimbra/PT

● **Panel discussion:**

How to use the EFRS guidance document on role development

Sunday, March 10, 16:00–17:30, Room P
RC 1514: Hybrid imaging technologies

Moderators:

C.D. Claussen; Tübingen/DE, C. Malamateniou; London/UK

A. Recent developments

S. Rep; Ljubljana/SI

B. Clinical applications

T. Lindner; Ternitz/AT

C. Trends in radiography education

P. Hogg; Manchester/UK

MONDAY

Scientific Sessions

Monday, March 11, 2013, 10:30–12:00, Room Q
SS 1714: Mammography

Moderators:

S.J. Foley; Dublin/IE, P. Vahtramae; Pärnu/EE

10:30

B-0869 Online portfolio for radiographers attending the breast cancer screening mammography certificate in Switzerland

N. Richli Meystre, L. Flaction, R. Le Coultre; Lausanne/CH

10:39

B-0870 Inter-observer agreement among PGMI radiographer in Cambridge/UK and Oslo/NO in assessing each other's and their own mammography screening exams

R. Gullien¹, E. Rostad¹, A.E. Haakull¹, R.L. Hammond¹, M. Hauge¹, K. Taylor², J.G. Andersen¹;
¹Oslo/NO, ²Cambridge/UK

10:48

B-0871 Radiation dose levels assessment in mammography

C. Lourenco, P. Sousa, S.I. Rodrigues, A.F.C.L. Abrantes, L.P.V. Ribeiro, K.B. Azevedo, R.P.P. Almeida; Faro/PT

10:57

B-0872 Quality control in digital mammography: radiographers practice at 5 hospitals of Lisbon

C. Tomas, C. Goncalves, C.I.S. Reis; Lisbon/PT

11:06

B-0873 An investigation into the psychological anxiety of Maltese women before and after a mammogram

C. Falzon; Sta Lucija/MT

11:15

B-0874 Ergonomic and environmental assessment in digital mammography room: impact on radiographers' activity

S. Costa, E. Oliveira, F. Serranheira, S. Viegas, C.I.S. Reis; Lisbon/PT

11:24

B-0875 Accuracy of students, and radiographers, with and without, mammography post-graduation in interpretation of mammography images

R.B.J. Copio¹, K.B. Azevedo¹, A.F.C.L. Abrantes¹, L.P.V. Ribeiro¹, R.P.P. Almeida¹, C.A. Silva²; ¹Faro/PT, ²Evora/PT

11:33

B-0876 Patient satisfaction assessment in mammography exams

L. Borralho, L.P.V. Ribeiro, C.A. Silva, A.F.C.L. Abrantes, J. Pinheiro, R.P.P. Almeida; Faro/PT

11:42

B-0877 Impacts of digital mammography in radiographers practice

L. Painho, T. Fernandes, C.I.S. Reis; Lisbon/PT

11:51

B-0878 Imaging ethics

B. Hofmann; Oslo/NO

Monday, March 11, 2013, 14:00–15:30, Room Q

SS 1814: Challenges of different imaging techniques

Moderators:

H.H. Hjemly; Oslo/NO, J. McNulty; Dublin/I

14:00

B-1019 Occupational exposition to electromagnetic fields in MR: understanding the discussion around the directive 2004/40/EC

C.S.L. Santos, D.P. Rocha, M.M.C.P. Ribeiro; Lisbon/PT

14:09

B-1020 Radiographers perceptions of magnetic resonance imaging: a study of the causes that lead to the repetition of exams

T.R. Filipe¹, L.P.V. Ribeiro¹, R.P.P. Almeida¹, S.I. Rodrigues¹, K.B. Azevedo¹, C.A. Silva², A.F.L. Abrantes¹; ¹Faro/PT, ²Évora/PT

14:18

B-1021 Functional mapping of the visual word form area with frequent words of the Portuguese lexicon: an fMRI study

C. Ferreira¹, P. Martins², G. Cunha¹, N. Canário¹, C. Nunes¹, A.C. Miranda², J. Ribeiro², S. Afonso², M. Castelo-Branco¹; ¹Coimbra/PT, ²Aveiro/PT

14:27

B-1022 A survey of the various methods and techniques employed in myocardial stress testing

K. Borg Grima¹, L. Rainford², P. Bezzina¹, D. O'Leary²; ¹Msida/MT, ²Dublin/IE

14:36

B-1023 Importance of scout imaging in neuroradiologic studies

D.C. Martin, S.H. Erbay, M. Hakky, K.D. Erbay, N. Erbay, D. Marrero; Burlington, MA/US

14:45

B-1024 Comparison of a 12-channel- with a 32-channel head coil using SNR measurements

C. Vandulek, D. Kaczur, E. Vinczen, I. Repa; Kaposvár/HU

14:54

B-1025 Psychological effect of chronic exposure to high magnetic field on MRI technologists

N.M. Mishah, W. Hamed; Jeddah/SA

15:03

B-1026 Development and implementation of a synthetic data evaluation scenario for image fusion algorithms based on discrete wavelet transform and principal component analysis

V. Weiss; Wiener Neustadt/AT

15:12

B-1027 Image registration and fusion of CT and micro-CT of a sheep's cochlea

S. Leitner; Berndorf/AT

15:21

B-1028 Evaluation of image quality optimisation using VGC and ordinal regression analysis

F. Zarb¹, M.F. McEntee², S. Foley³, L. Rainford³; ¹Msida/MT, ²Sydney/AU, ³Dublin/IE

Link to the Rising Star Sessions, where several radiographer students are presenting:

https://www.myesr.org/facebook-tabs/RS2013_Programme/index.html