



European
ALARA
Network

**13th EAN Workshop - “ALARA and the medical sector”
7-10 June 2011 - Oscarsborg Fortress, Norway**

Final programme (20 May)

Tuesday 7 June 2011

14.00 Departure of the boat to Oscarsborg from the Oslo harbour

17.15 Welcome address at Oscarsborg

Wednesday 8 June 2011

Session 1 - Introduction and scene setting - International organisations

Chair: Gunnar Saxebøl, *Norwegian Radiation Protection Authority (NRPA)*

09.00 (20 minutes presentations)

UNSCEAR - Data on medical exposures from a global point of view

Wolfgang Weiss, *UNSCEAR*

ICRP and As Low As Reasonably Achievable in the medical sector

Madan M. Rehani, *ICRP Committee 3*

WHO Global Initiative on Radiation Safety in Health Care Settings

Maria del Rosario Pérez, *WHO*

Medical exposure in the European Commission's proposal for revised Euratom radiation protection directive

Georgi Simeonov, *European Commission*

Discussions

10.30 Coffee break

Session 1 (continued) - Introduction and scene setting - European societies and networks

Chairs: Maria del Rosario Pérez, *WHO* and Jürgen Kopp, *Central Clinic Augsburg, Germany*

11.00 (15 minutes presentations)

Justification and Optimization of Chest CT in children

Catherine Owens, *European Society of Radiology (ESR), European Society of Paediatric Radiology (ESPR)*

European Association of Nuclear Medicine (EANM) - Overview of actions and initiatives on radiation protection, with emphasis on ALARA

Wolfgang Eschner, *EANM*

Radiation protection and the implementation of the ALARA principle in radiation oncology – the perspective of European Society for Therapeutic Radiology and Oncology (ESTRO)

Dag Rune Olsen, *ESTRO*

European Federation of Organizations for Medical Physics (EFOMP) - Overview of actions and initiatives on radiation protection, with emphasis on ALARA

Stelios Christophides, *EFOMP*

European Federation of Radiographer Societies - EFRS actions, initiatives and challenges on ALARA/radiation protection

Graciano Paulo, *EFRS*

European Radiation Dosimetry Group (EURADOS) - Overview of actions and initiatives on radiation protection

Filip Vanhavere, *SCK-CEN Mol, Belgium*

The European Medical ALARA Network (EMAN) - Overview of actions and initiatives on radiation protection, with emphasis on ALARA

Anja Almén, *Swedish Radiation Safety Authority (SSM)*

Discussions

13.00 Lunch

Session 2 - Tools for ALARA implementation in the medical sector

Chairs: Caroline Schieber, *Nuclear Protection Evaluation Center (CEPN), France* and Wolfgang Eschner, *European Association of Nuclear Medicine (EANM)*

14.00 (15 minutes presentations)

Challenge to justification and optimization - Individual health assessment using CT

Jürgen Griebel, *Federal Office of Radiation Protection (BfS), Germany et al.*

Setting referral criteria for diagnostic imaging – The French guidelines for the clinical use of medical imaging

Philippe A. Grenier, *Pitié-Salpêtrière Hospital, University Pierre & Marie Curie, France*

The Swiss system for collecting population dose data and establishing DRLs: A web-based solution

Abbas Aroua, *University Institute for Radiation Physics, CHUV - UNIL, Switzerland et al.*

Clinical auditing and quality assurance as tools in the implementation of ALARA in the medical sector

Hannu Järvinen, *Radiation and Nuclear Safety Authority (STUK), Finland*

Discussions

15.15 Introduction to Working Group sessions

Peter Shaw (*EAN secretary*)

15.30 Working Group session

18.00 End of Day

Thursday 9 June 2011

Session 3 - Practical ALARA implementation in the medical sector

Chairs: Annemarie Schmitt-Hannig, *Federal Office of Radiation Protection (BfS), Germany* and Hilde M. Olerud, *Norwegian Radiation Protection Authority (NRPA)*

09.00 (15 minutes presentations)

Endovascular brachytherapy with Re-188 after PTA in the peripheral blood stream - ALARA in handling beta-emitters

Jürgen Kopp, *Central Clinic Augsburg, Germany et al.*

ALARA in handling beta-emitters - measurement techniques and optimisation

Ilona Barth, *Federal Office of Radiation Protection (BfS), Germany et al.*

The use of resolution recovery software in nuclear medicine from an ALARA perspective

Steve Ebdon-Jackson, *Health Protection Agency (HPA), UK*

International project on individual monitoring and radiation exposure levels in interventional cardiology

Renato Padovani, *Udine University Hospital, Italy*

The ORAMED project: Staff dosimetry in interventional radiology and nuclear medicine

Laurent Donadille, *Institute of Radiation Protection and Nuclear Safety (IRSN), France et al.*

Discussions

10.30 Coffee Break

Session 4 - ALARA culture in the medical sector

Chairs: Fernand Vermeersch, *SCK-CEN Mol, Belgium* and Madan M. Rehani (*ICRP*)

11.00 (20 minutes presentations)

Stakeholder involvement in medical practices: Report on HERCA WG medical application action plan with the CT manufacturers

Philipp Trueb, *Federal Office of Public Health, Switzerland*

QA and optimization in diagnostic radiology - a multi-disciplinary task: How to build a regional service to implement ALARA

Anne Catrine Traegde Martinsen, *Oslo University Hospital, Norway*

The Norwegian Program on Quality Assurance in Radiotherapy (KVIST) - organisation, benefits and experiences

T.P. Hellebust, *Norwegian Radiation Protection Authority (NRPA), Norway* et al.

The work in IEC, DICOM and IHE in continuous development of standards to improve radiation safety and performance of radiological equipment, and exchange of information between imaging modalities

Bernard Aubert, *Institute of Radiation Protection and Nuclear Safety (IRSN), France*

Discussions

12.30 Lunch

Session 5 - ALARA competence and skills in the medical sector

Chairs: Anja Almén, *Swedish Radiation Safety Authority (SSM)* and Renato Padovani, *Udine University Hospital, Italy*

13.30 (15 minutes presentations)

Clinicians' justification of imaging: do radiation issues play a role?

Lars Borgen, *Buskerud Hospital and Buskerud University College, Norway* et al.

Medical physics expert European guidelines

Stelios Christophides, *European Federation of Organizations for Medical Physics (EFOMP)* on behalf of Eduardo Guibelalde, *University Complutense of Madrid, Spain*

German recommendations on self-referred asymptomatic patients

Birgit Keller, *Federal Ministry for the Environment (BMU), Germany*

German situation on clinical audits

Jürgen Kopp, *Central Clinic Augsburg, Germany* et al.

Experiences with focus on the medical sector from the IAEA IRRS mission to Spain
Manuel Rodriguez-Marti, *Nuclear Safety Council (CSN), Spain*

Discussions

15.00 Working Group session

18.00 End of the day

Friday 10 June 2011

Session 6 - Feedback and conclusions

Chairs: Peter Shaw, *Health Protection Agency (HPA), UK* and Pascal Croüail, *Nuclear Protection Evaluation Center (CEPN), France*

09.00 Working Group presentations (rapporteurs of the WG's)

10.30 Coffee break

11.00 Workshop conclusions and recommendations

12.00 Lunch.