Welcome to the
1st European Inspection Workshop
HERCA MedInspector 2015
How to inspect justification and optimization in diagnostic radiology

Local organizing committee
• Katrien Van Slambrouck
• Jolien Berlamont
• Marie-Claire Meerkens
• Jean-Pierre Hallot

Thank you for your excellent work, support and assistance in the preparation of this workshop

Setting the scene
• Justification and optimization – two of the fundamental principles of radiation protection (ICRP)
  − To be carried out for every individual exposure (BSG)
• Regulatory bodies have an important role in promoting and ensuring that justification and optimization is properly implemented at medical imaging facilities
• Inspecting implementation of justification and optimization is an important task for regulatory bodies
  − "Member States shall establish a system of inspection to enforce the provisions adopted pursuant to this Directive…" (Article 104)

Background on Inspector competence
• HERCA survey of inspector competence among MS

RESULTS:
• Regulatory infrastructure differ among MS resulting in different requirements across Europe
• Lack of clinical competence of many inspectors
• Fail to inspect justification and optimization

Goal of HERCA
• Facilitate the development of training
• Provide opportunities to share experience
• Inspectors to gain sufficient competence to advice and influence the justification and optimization processes for medical exposure
• Organize a European Inspection Workshop in 2015
  − Based on experience from Nordic Inspection Workshops

HERCA Inspection Workshop – 2015
Aim:
• Disseminate and harmonize good inspection practice among participating countries
• Identify areas of improvements

Focus:
• Diagnostic radiology NOT NM or RT

Topics:
• Justification and optimization in diagnostic radiology
  − Patient
  − Occupational
HERCA Inspection Workshop – 2015

Learning outcomes (triple A)
• How to:
  − Increase Awareness of justification
  − Verify Appropriateness of radiology procedures
  − Use Auditing as a tool for supervision/inspection
  − Inspect optimization (practical tools/methods)

Target group
• Inspectors with several years experience

Definition of inspection
• On site inspection of verify compliance with regulations and the implementation of requirements
  − Justification and optimization

Working method
• Four topical sessions
  − Regulatory framework
  − Ways to inspect and how effective they are
  − Inspector competence
  − Approaches for inspecting justification and optimization

• Three working group sessions
  − How to inspect justification
  − How to inspect optimisation
  − Presentation of results from working groups

Expected outcome
• Identification of good practises and challenges
• Produce recommendations on the practical inspection of justification and optimization within diagnostic radiology
• Provide participants with a good tool-kit to implement identified good practices at home
• All presentations and results from working groups will be made available on HERCA web-page

Overview of participants
• Participants from 20 European countries
  − Belgium (9), Czech Rep (3), Denmark, England (4), Estonia, Finland (2), France (2), Germany (2), Greece, Hungary, Iceland, Ireland (2), Lithuania, Luxembourg, Netherlands, Norway (3), Slovenia, Spain, Sweden (2), Switzerland (2)

• International delegates
  − 4 from IAEA: Albania, Bosnia/Herzegovina, Croatia, Rep. of Macedonia
  − WHO: Malaysia (MoH)

• Totally: 46

Background of participants
• Inspectors
• Technicians
• Physicists/Medical physicists
• Radiographers
• Clinical scientist
• Chief specialist
• Deputy director
• Pharmacist
• Radiologist
• Medical doctor
• Environmental engineer
• Head of section/MPE
• Senior Adviser
• Scientific collaborator
Evaluation of workshop

- Electronic Quest-Back evaluation form
- Request all participants to give feedback
- Organization of future workshops will be based on the experience and results of evaluation of this workshop

Social program

- Get together at FANC (day 1)
- Workshop dinner at local restaurant (day 2)

Acknowledgement

- Local organizing committee at FANC
- Core group
  - Eva G. Friberg (Norway, Chair)
  - Steve Ebdon-Jackson (UK)
  - Torsten Cederlund (Sweden)
  - Richard Elek (Hungary)
  - Maria Kalathaki (Greece)

THANK YOU ALL!!!