HERCA: Heads of the European Radiological protection Competent Authorities

INSPECTING OPTIMIZATION

HERCA WGMA Inspector Workshop 2015
Brussels

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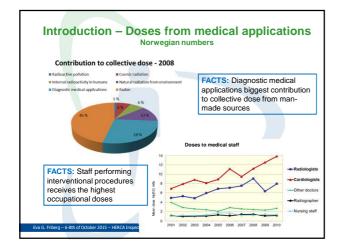
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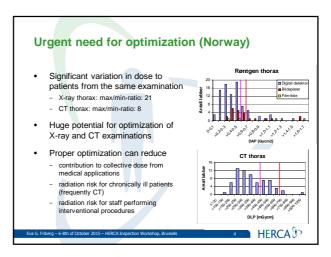
Content

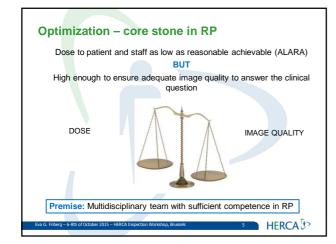
- Introduction
- · Definition of optimization
- · Factors influencing optimization
- Inspections
- How to inspect optimization
- · Summary and conclusions

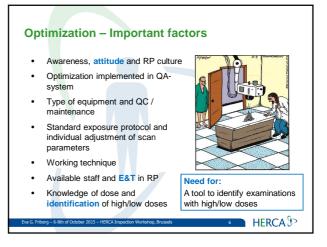
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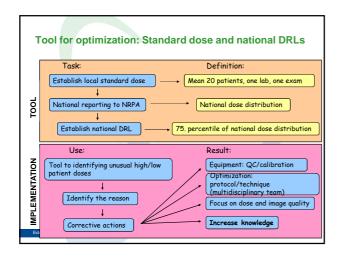


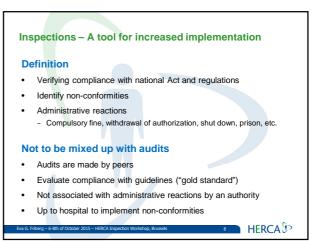


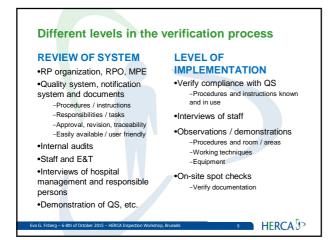


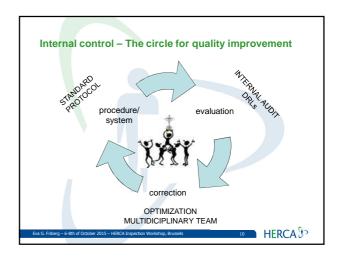


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Inspecting optimization of protocols

- Verify if standard protocols are available at equipment
- Procedure for revision standard protocols, multidisciplinary team, last revised
- Procedure for establishing local standard doses
- Verify if dose parameters on equipment is calibrated, calibration date
- Overview of established local standard doses and comparison with national DRLs and other benchmarking (departments, labs)
- Reason to high/low doses analyzed and corrective actions taken
- Interviews to verify if procedures are known and followed
- · Documentation of optimization activities

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Inspecting equipment and QC (1)

- Observation of equipment intended use?
- Procedure for purchase right staff involved (MP, radiologist, etc.)
- System for maintenance and QC (in QA-system?)
 - Service contracts or maintenance by local medical engineers
 - Responsible staff for QC, MP involved at appropriate level
 - Coordination between maintenance and QC
 - Yearly plan verify if followed
 - Procedure for calibration of measuring instrument
 - Method books for QC, acceptability criteria, action criteria, etc.
 - Actions when deviations from QC

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