



13th European ALARA Network Workshop 2011

ALARA and the medical sector

OSCARSBORG FORTRESS, NORWAY • 7-10TH JUNE 2011

WORKING GROUP 4

Technical developments and quality assurance
in the implementation of the ALARA principle in
the medical sector

WG4 Recommendations

- **A Platform is needed for Evaluation of new technology and equipment, using ionising radiation, in Europe.**
- To exchange technical parameters on image quality and dose.
- To exchange performance characteristics.
- Develop and distribute test equipment in collaboration with standardisation organisations.
- Advice for which procedures high dose modalities should be used.
- **EU funding is suggested.**

WG4 Recommendations

- **A need for training of diagnostic physicists is recognised:**
 1. When new technology is introduced on the market,
 2. During the purchasing process hands on like the other professions are offered (e.g. Radiologists and Radiographers).
- The training should be provided by vendors and the site management.

WG4 Recommendations

- **EU Commission and National Authorities** should strengthen the role and increase the number of Medical Physicists in Radiology.
- This should provide a better basis for Quality Assurance for optimising procedures and Radiation Protection of patient and staff taking into account that radiology is the main and increasing source of population exposure.

WG4 Recommendations

- The imaging and documentation system should contain tools to provide information for Quality Assurance.
- Vendors should be asked to include this system in RIS, HIS and PACS.

WG4 Recommendations

- **Collaboration and communication particularly regarding specifications, QA tools, protocols, and results from newer equipment between medical community across Europe should be encouraged.**
- **Could be part of EMAN.**

WG4 Recommendations

Thank you !



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