

Challenges in the optimisation of
patient and staff radiation protection
in the medical sector

Working Group 1 B

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What we want (Vision)

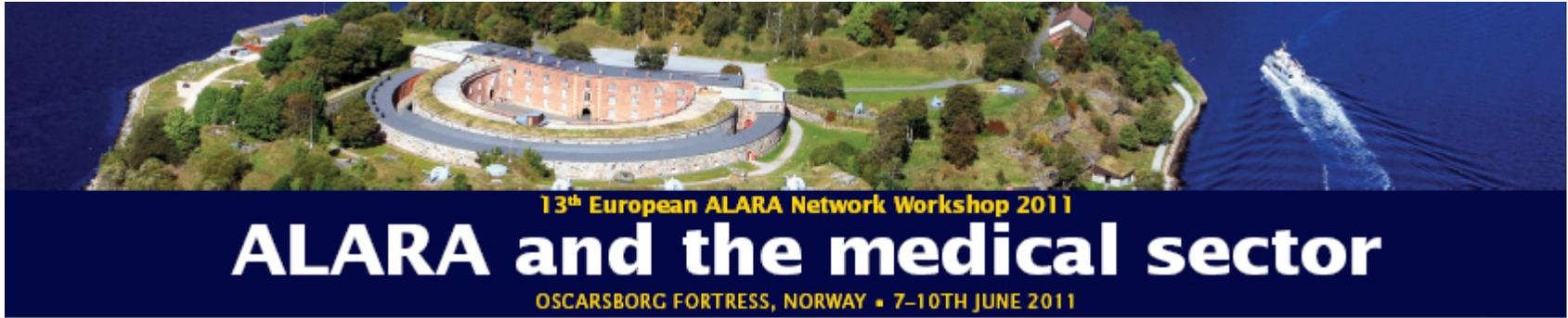
- **Every CT procedure <1 mSv**
- **Minimize inappropriate exams**
- **No deterministic injuries to patients and staff**



Individual patient centered approaches

1. **Intelligent CT software to avoid imparting inappropriate doses:** Comparing with weight based reference values and thresholds
2. **Software approaches to avoid inappropriate referrals:** with reference to referral guidelines & clinical indications, patient exposure history tracking
3. **Monetary solutions:** Building radiation protection into reimbursement system, health packages; separation of re-acquisition & reporting
4. **Confidence of patient in staff & facility:** Include QA/credentialing/ audit

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1. **Accountability of manufacturer- customer & public pressure:** Whom do they listens to!!!!
 2. **Avoid deterministic injuries to staff: online monitoring** with least cooperation of operator



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Thank You

