




# **HIGHLIGHTS OF IRPA 2010 WHO AND IOMP SESSION**


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# Presentations

- **Human resource for Rad safety (medical physicist)**
  - **Rad exposure assessment**
  - **Imaging guidelines**
  - **Other Scientific papers**
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# The Role of the Medical Physicist (MP) in Radiation Protection: Prof Fridtjof Nüsslin


- **Implementation of BSS (Teamwork)**
  - **As RPO**
  - **Competence safety aspects required eg : dosimetry, QA**
  - **Conversant with principles of RP**
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# The Role of the Medical Physicist in Radiation Protection: focal areas for safety


- Adequate training
- National recognition
- Guidelines development
- Accreditation of practices
- National Rad Exposure database
- Networking agencies/ other stakeholders

# Global assessment of medical radiation exposure: Shannoun Ferid

- **UN (1948):** agency coordinates int. Public health
- **WHO [WHA] (1971)** mandated WHO, IAEA & UNSCEAR to cooperate and consult.
- **BSS**
- **WHO Global Initiative on Radiation Safety in Health Care Settings (2008):** ensure effectiveness of BSS
- **UNSCEAR (1955):** assess Rad levels, effects & risks (with WHO)
- **IAEA (1957):** safety in diagnostic and therapy





# Global assessment of medical radiation exposure: strategy for data collection

- Simple data, e-tools
  - Target specific countries
  - Small expert national gps
  - Others: collaborate with UNSCEAR
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# Challenges faced by MP in Africa: Miss Nakatudde Rebecca

- Insufficient training
  - No professional societies
  - Weak/ absent laws
  - No hospital representation /recognition
  - Lack of tools/resources
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# Challenges faced by MP in Africa: solutions; Creation of FAMPO

- **FAMPO: Federation of African Medical Physicists Organisation**
    - Data base of MPs
    - QA
    - Networking
    - Standards and guidelines
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# Global imaging referral guidelines: Michael Kawooya

- **Definition, justification, objectives, methodology, recipients**
  - **The IRQN guidelines**
  - **WHO facilitation role in IRQN guidelines**
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# IRQN Global imaging referral guidelines: methodology and challenges

- **Credibility and validity**
- **Formation of SIGS, stake holder involvement**
- **Methodology : review, adapt, and expand existing EB guidelines**
- **Challenge of neglected diseases**

**Developments**


**Fist set of guidelines almost complete**

# Other scientific papers

- Mammography: Noise ratios and doses: Tanzania
- Dose in radiography and CT: Tanzania
- Challenges for advancing medical physics globally
- Pediatric CT patient dose : Ghana
- Monitoring of medical workers : Burkina Faso



# Summary

- Implementation of BSS
  - Engaging Global agencies/other stake holders
  - Guidelines
  - Human resource
  - Radiation exposure and risk quantification and communication
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***THANK YOU***