

HTTG Workshop on Digital Imaging X-ray Detectors: Historical Perspectives, Current Capabilities, Future Promises

ICMP 1 September 2013, Brighton, UK

Session Moderator: C. Borrás, Chair IUPESM-HTTG

Session overview

To provide attendees with an overview and the latest information on large area digital x-ray detectors for medical imaging

Session objectives

To: present physical characteristics of new digital x-ray detectors and selected clinical applications

To: define image quality and radiation dose metrics and describe their measurements To: discuss practical aspects of initiating a digital radiology department, including costs, especially in resource-limited settings.

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Program

1	The Health Technology Task Group of the International Union for Physical and Engineering Sciences in Medicine	C. Borrás
2	Historical development of CR/DR and new detector technologies	J Anthony Seibert
3	Image quality parameters and their measurement	John M. Boone
4	Low cost digital detector technology for emerging economies	Karim S. Karim
5	Dose metrics: New "Exposure Index"	J. Anthony Seibert
6	Clinical applications	
7	Flat panel detectors for CT	John M. Boone
8	CMOS detectors for breast CT	John M. Boone
9	Digital detectors for mammography	Ng Kwan Hoong
9	Region of interest tuberculosis screening	Karim S. Karim
10	Transition from screen-film to digital radiography: Practical advice	Ng Kwan Hoong
11	Radiation protection of patients and the use of Diagnostic Reference Levels in digital radiology	Eliseo Vañó