

Disclosure of Commercial Support

- This program has received financial support from J. Morita in the form of an unrestricted educational grant.
- Potential for conflicts of interest:
 - Dr. Brownlee has not received funding from an organization whose products are being discussed in this program.



Welcome!

- Overview of this three-day long CBCT course:
 - Friday AM:
 - Introduction to CBCT and Anatomy (2 hours)
 - Radiation dose and risk (1 hour)
 - Friday PM:
 - Justification and Optimization (2 hours)
 - Pre-CBCT documentation (1 hour)
 - Saturday AM:
 - CT physics (1 hour)
 - Patient Preparation and Safety (0.5 hour)
 - CBCT image quality (2 hours)
 - Saturday PM:
 - Quality Assurance and Control (1.5 hours)
 - Post-CBCT imaging documentation (1 hour)
 - Sunday AM: Technique and Software Manipulation
 - Sunday PM: Interpretation of Cases and Final Examination



Dr. Ingvar Fife:

- Began his medical physicist career in 1978 with the UK National Health Service
- Head of the Radiation Protection and Imaging Physics groups in the Division of Medical Physics at CancerCare Manitoba
- Adjunct Professor in Physics and Assistant Professor in Radiology
- Research interests include radiation protection image quality and dose optimization in diagnostic radiology, computational simulation in diagnostic radiology, and radiation protection in radiation and radionuclide therapy
- Director under the Manitoba Radiation Protection Act (previously as Provincial Chief Inspector under Manitoba X-ray Safety Regulation 341/88R)
- Manitoba representative on the Canadian Federal Provincial Territorial Radiation Protection Committee



Dr. Idris Elbakri

- University of Michigan PhD (2003)
- Joined Cancercare in 2005 as Imaging Physicist in the Department of Radiation Safety and Image Quality
- Assistant Professor in the Department of Radiology and an Adjunct Professor in the Department of Physics and Astronomy at the University of Manitoba
- Member of the Canadian College of Physicists in Medicine
- Clinical and technical interests in multiple imaging modalities
- Research interests in radiological physics, image quality and dosimetry



Dr. Meredith Brownlee

- University of Winnipeg, BSc (1999)
- University of Manitoba College of Dentistry graduate, DMD (2004)
- University of Connecticut Oral and Maxillofacial Radiology graduate, MDS (2014)
- Assistant Professor at University of Manitoba College of Dentistry since September 2014 in DDSS
- Member of the Canadian Academy of OMFR, American Academy of OMFR, American Board of OMFR, CDA, MDA, Fellow of the RCD(C)
- Research interests in radiation biology and CBCT imaging physics



Lorraine Reinfort

- Radiation Technologist, in Radiology (RTR)
- Member of the clinical support staff at the Rady Faculty of Health Sciences at the University of Manitoba College of Dentistry
- Has taught radiographic technique in the Oral Radiology Clinic for over 3 decades



Throughout the Next 3 Days:

- Please feel free to ask questions at any time
- There will be i-Clicker questions to evaluate the learning, as we go through the various didactic components of the course
 - Please maintain the same i-Clicker for all days
 - Questions are derived from the Learning Objectives listed for this Certification Course
- There will be a “Final Examination” at the end of the Didactic Component Sunday morning to quantify competency in CBCT



Many Thanks and Gratitudes

- For all who have contributed to the course materials and delivery

