



IAEA Free Webinar

Strategies for Communicating Radiation Risk for Medical Imaging in Children

Date: 23 February 2017, 3 pm CET ([check time in your country](#))
Presenter: Prof. Kimberly E. Applegate, MD, MS, FACR Emory University, Atlanta, Georgia
Panelists: Prof. Hesta Friedrich-Nel and Ms. Beatrix Kotzé, Central University of Technology, Free State (CUT) Bloemfontein, South Africa

Organized jointly with the Alliance for Radiation Safety in Pediatric Imaging (the Image Gently Alliance)

With the goal of raising awareness and developing stakeholder educational tools for the appropriate imaging of children, the Image Gently campaign was launched in 2007. This campaign is a product of a multidisciplinary alliance with international representation which now numbers nearly 100 medical and dental professional societies and organizations, and includes regulatory organizations. The alliance focuses on increasing awareness and developing education materials that support the protection of children worldwide from unnecessary radiation in medicine. The alliance members work with agencies and regulatory bodies to improve standards and measures that are specific to children. The campaign has produced six open source modules for all stakeholders regarding CT, fluoroscopy, nuclear medicine, interventional radiology, digital radiography and dental imaging. The philosophy of the Image Gently steering committee is to collaborate, to share information freely, to keep messaging simple and to commit to lifelong learning. Many healthcare practitioners may not understand how to decrease children's radiation exposure; the goal of Image Gently is to increase all stakeholders' understanding of both the benefits and the risks and to encourage radiation reduction strategies.

This lecture concentrates on optimization of radiography in infant and children with a special focus on chest radiography. The radiographer perspective and a case study on optimization in Neonatal Chest Radiography will be presented.

Learning objectives

1. To understand the common uses of chest radiography in infants and children.
2. To describe the key differences between children and adults in chest imaging.
3. To be able to optimize radiography in infants and children.

Presenter and Panelists



**Prof. Kimberly E.
Applegate**



**Prof. Hesta
Friedrich-Nel**



**Ms. Beatrix
Kotzé**

Presenter

Kimberly Applegate, MD, MS, FACR is a professor of radiology and pediatrics and director of practice quality improvement in radiology at Emory University in Atlanta. She is the ACR Council Speaker; the President of the Association for University Radiologists (AUR) Research and Education Foundation, a member of the National Quality Forum Patient Safety Committee, and both the NCRP and ICRP. She is a member of the Steering Committee for the Image Gently Campaign, and on the Executive Committees of the World Federation of Paediatric Imaging and Image Wisely. She has received a number of awards in recognition of her leadership and outstanding contributions to the advancement of women in the Radiology professions. Dr Applegate has published over 190 peer-reviewed papers and book chapters, and presented scientific papers and lectures at medical and scientific assemblies around the world.

Facilitator

Hesta Friedrich-Nel, MRad (Therapy), PhD (Health Professions Education), Head of Department of Clinical Sciences at the Central University of Technology, Free State (CUT)

in Bloemfontein, South Africa. She is an associate professor in radiography. Her research activities include topics in radiography, radiotherapy and health professions education.

Case Study Presenter

Ms. Beatrix Kotzé, MSc, lecturer in Radiography at the Central University of Technology, Free State in the Department of Clinical Technology as part of the Radiography programme, Bloemfontein, South Africa.