



IAEA Free Webinar

Progress and challenges in CT education and advocacy

Date: **4 April 2017, 3 pm CET** ([check time in your country](#))
Presenter: **Prof. Kimberly E. Applegate, MD, MS, FACR**
University of Kentucky, Kentucky, United States
Panelists: **Mr. Dean Pekarovic**, University Medical Centre of Ljubljana, Slovenia
Ms. Henra Muller and Ms. Caren Swanepoel, Clinical Imaging Science, Universitas Hospital Bloemfontein, South Africa

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

Significant progress has been made in radiation protection for children during the last decade. This includes increased awareness of the need for radiation protection for pediatric patients with international partnerships through the Image Gently Alliance. This webinar discusses key areas of progress in pediatric CT optimization that include multiple collaborations with radiology and medical societies and regulatory bodies, the development of a CT dose index registry, and the development of a size-based patient dose correction factor by the American Association of Physicists in Medicine. However, many challenges remain. These include the need for continued education and change of practice at adult-focused hospitals where many pediatric CT exams are performed; the need for increased emphasis on appropriateness of pediatric imaging and outcomes research to validate the performance of CT studies, and the establishment of national and regional diagnostic reference levels.

The radiographer perspective and case studies on optimization in Pediatric CT will be presented by the panelists.

Learning objectives

1. To present the key areas of progress in pediatric CT optimization.

2. To stress the need for continued education with emphasis on appropriateness of pediatric imaging and improved performance of CT studies.
3. To understand the approaches in optimization of pediatric CT protocols.

Presenter and Panelists



**Prof. Kimberly E.
Applegate**



**Mr. Dean
Pekarovic**



**Ms. Henra
Muller**



**Ms. Caren
Swanepoel**

Prof. Kimberly E. Applegate

MD, MS, FACR is a professor of radiology and pediatrics at University of Kentucky. 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.

Mr. Dean Pekarovic

Head radiographer in advanced modality (CT/MR) department, University Medical Centre of Ljubljana, Slovenia. He established and is now in charge of Centre for quality and safety of radiological equipment, and developed a comprehensive training program on technical quality for radiology residents and radiographers. Invited speaker in many international events and workshops; actively participated in different EU project regarding Radiation Protection such as: EMAN, MEDRAPET, PiDRL and ESR EUROSAFE CT expert radiographer. Involved as expert in 5 IAEA missions.

Ms. Henra Muller

Chief Radiographer Radiation Control, Clinical Imaging Science, Universitas Hospital Bloemfontein, South Africa.

M Tech Radiography (Diagnostic).

Passionate about Radiation Protection.

Ms. Caren Swanepoel

Assistant Director/Unit Manager CT, Clinical Imaging Science, Universitas Hospital Bloemfontein, South Africa.

Bachelor Honors (Diagnostic). She received specialized training on numerous different CT units and has 40 years of CT experience.