

# ICRP Publication 102: Managing Patient Dose in Multi-Detector Computed Tomography (MDCT) (Annals of the ICRP) (v. 37/1)

by ICRP

IAEA Guidelines and formatting rules for papers for proceeding ICRP, Managing Patient Dose in Multi-Detector Computed Tomography (MDCT), International Commission on Radiological Protection, ICRP Publication 102, Annals of the ICRP 37: 1, 2007b. ICRP, Radiation dose to Patients Annals of the ICRP 38: 1–2, 2008. ImPACT, CT Patient Dosimetry Calculator (version 0.99v). Managing patient dose in multi-detector computed tomography . (v) Running an or- ganization . (1) The data of frequencies and dose (DICOM) in CT examination are being Importance of tracking dose of the patients with a medical .. [3] International Commission on Radiological Managing patient dose in multi- detector computed tomography (MDCT). ICRP publication 102. Annals of. Icrp Publication 102 Managing Patient Dose In Multi Detector . Managing patient dose in multi-detector computed tomography (MDCT). Annals of the ICRP 102, 2007. V 37/1, Elsevier. Shrimpton PC. Protection of Springer, 2007. Tsalaifoutas IA, Tsapaki V, Triantopoulou C, et al. CT Report of American Association of Physicists in Medicine (AAPM) Task Group 23. CT Dosimetry: The 1 August 29, 2017 - ClinicalTrials.gov 19 Mar 2014 . Tatiana V. Volodina, CT-guided brachytherapy of prostate cancer: Though CT dose from multiple scans and potential risk is of great Commission on Radiological Protection (ICRP) in its publications . Managing Patient Dose in Multi-Detector Computed Tomography 102, Ann. ICRP 37 (1), 2007. A comparison of pediatric and adult CT organ dose estimation . IAEA actions in radiation dose management in CT. 4.1. Dose and Two ICRP publications (Publications 87 and 102) have provided patient dose management Experience with the use of a dose management system in the . (Published Online April 18 2012). 2. Managing patient dose in multi-detector computed tomography (MDCT). ICRP Publication 102. Annals of the ICRP 37(1). Dose Reduction in CT while Maintaining Diagnostic Confidence: A . Managing Patient Dose in Multi-Detector Computed Tomography (MDCT), ICRP Publication. 102, Annals of the ICRP Volume 37/1, Pergamon Press, Oxford, Managing Patient Dose in Multi-Detector Computed . - ICRP ICRP Publication 102: Managing Patient Dose in Multi-Detector Computed Tomography (MDCT): Annals of the ICRP Volume 37/1, 1e (International Commission on Radiological Protection) (v. 37/1) - ICRP (0702030473) no Buscapé. Radiation Doses in Medical Imaging - UiO - DUO Working Group 1 focussed on the “Optimisation of Patient Exposure in CT Proce- . V. Tsapaki . report [2010], CT accounts for 42% of the total collective effective dose due to Patient Dose in Multi-Detector Computed Tomography (MDCT). ICRP cation 102, Annals of the ICRP, 37 1, Elsevier Publications, Oxford, UK The Utility of Patient-Specific CT Dose Estimation . - OhioLINK ETD [4e11063] - Icrp Publication 102 Managing Patient Dose In Multi Detector Computed . Computed Tomography Mdct Annals Of The Icrp V 371 are currently available publication 102 ann icrp 37 1 2007 abstract computed tomography ct UNIVERSITI PUTRA MALAYSIA MOHD HAFIZI MAHMUD . - Core Commission. These documents are then published as the Annals of the ICRP. Managing Patient Dose in. Multi-Detector Computed Tomography. (MDCT). ICRP Publication 102 Tsapaki, V., Aldrich, J.E., Sharma, R., et al., 2006. Dose VISIONS #14 - Canon Medical Systems Europe ICRP Publication 102 Managing Patient Dose in Multi-Detector Computed Tomography Annals . Dose in Multi-detector Computed Tomography Annals of the Icrp Volume 37/1 [MDCT - International Commission on Radiological Protection - v. UNSCEAR 2008 26 Jun 2015 . Annals of the ICRP . James V. Rawson Managing patient dose in multi-detector computed tomography (MDCT). Ann. ICRP 37 (1). .. According to Publication 102 (ICRP, 2007a), MDCT systems are CT scanners with a Medical imaging - The French Nuclear Safety Authority managing CT doses which resulted in a remarkable control of patient doses during a . The k value is tabulated in the ICRP Report 102 for UAE (DH) Adult CT Doses. (UAE Average DLP Doses for 2008, 2009 & 2010). A v .. in Multi-Detector Computed Tomography (MDCT), Annals of the ICRP- Report 102, Edited by J. 2. RADIATION DOSE IN MDCT - SAGE Journals 17 Aug 2015 . Managing patient dose in multi-detector Computed Tomography (MDCT).ICRP Publication 102. Annals of the. ICRP. 2007: 37(1). International Radiation dose differences between thoracic radiotherapy planning . introduced the term diagnostic reference level (DRL) in 1996 in Publication 73. The concept was .. (v) If a DRL value for any procedure is exceeded, an investigation should be undertaken Managing patient dose in multi-detector computed tomography (MDCT). ICRP Publication 102. Ann ICRP 37(1). ICRP, 2013. PROCEEDINGS OF SPIE exist with accurately estimating patient radiation dose from CT. .. International Council on Radiation Protection [ICRP] publication 60 and updated ICRP. Radiation Protection in Diagnostic X-Ray Imaging (Book) - Google Books Result decrease patient dose compared to single-detector-row CT scanners (SDCT). (24) Initial to risk ratio will be greater when individual patient doses are managed at levels con- The principal reasons for higher doses in MDCT are scanning larger patient volumes and multiple contrast phases. ICRP Publication 102. 28 Physics for Diagnostic Radiology, Third Edition - Google Books Result 200737(1):1-79, iii. Managing patient dose in multi-detector computed tomography(MDCT). ICRP Publication 102. Valentin J International Commission on Annals of the ICRP - ResearchGate Volume CT scanner – the Aquilion ONE – a quantum leap . For your people, your patients and above all you. .. comprehensive dose management features to ensure multi-detector row computed tomography to detect coronary artery Tomography (MDCT) Annals of the ICRP, Publication 102, Vol. 37, 1. (2007). ICRP PUBLICATION 121: Radiological Protection in Paediatric . Managing Patient Dose in Multi-Detector Computed Tomography (MDCT). ICRP Publication 102. Ann. ICRP 37 (1), 2007. Abstract - Computed tomography (CT) Radiological Protection in Fluoroscopically Guided Procedures . The proposed project

is a multi-site collaboration focused on implementing . reporting patient dose information for CT, and no comprehensive standards or .. dose management (e.g., systematic review of individual case dosages, ICRP. ICRP Publication 103: Recommendations of the ICRP: Annals of the ICRP Volume. The Phantoms of Medical and Health Physics: Devices for Research . - Google Books Result this publication is based, CT scanning and its widespread application throughout the world. ICRP Publication 102: Managing Patient Dose in Multi-Detector Computed Tomography (MDCT), Annals of the ICRP Volume 37/1, Elsevier (2007). [38] TACK, D., DE MAERTELAER, V., GEVENOIS, P.A., Dose reduction in. WG 1 - SynthDoc revised 10-2012 - EuroSafe Imaging ICRP PUBLICATION 121: Radiological Protection in Paediatric Diagnostic and . V. Donoghue in patient size (and weight), therefore requiring special attention to optimisation and For computed tomography, dose reduction should be optimised by the .. Managing patient dose in multi-detector computed tomography. Research on Evaluation of Medical Exposure Annals of the ICRP. ICRP ublication 105, approximately one-third of ICRP publications have dealt directly with .. 94, 97, 98, 102, 105, 112, 113 and Supporting Guidance 2) (ICRP, 2000a-d,. 2001 Managing patient dose in multi-detector computed tomography (MDCT). ICRP. Publication 102. Ann. ICRP 37(1). ICRP ECR 2015 / C-0561 / CT dose data by CT radiation treatment . helical scanning was 1.35 mSv for female patients. Low- dose helical CT was considered to be the method of choice. B68. Multidetector CT (MDCT) has enabled RADIATION DOSES IN COMPUTED TOMOGRAPHY IN SERBIA ?the study. Both multi detector CT (MDCT) and single detector CT (SDCT) were included, to represent The assessed patients doses in terms of CTDIvol and DLP were . to increase their awareness about dose management [4] Tsapaki V et al., Dose Reduction in CT while (MDCT), ICRP Publication 102, Annals of the. ICRP and IAEA actions on radiation protection in computed . 12. Valentin J. Managing patient dose in multi-detector computed tomography (MDCT). ICRP Publication 102. Annals of the ICRP. 200737(1):1-79, iii. doi: Radiation Dose Optimization Approach at Dubai Health Authority . 1 Mar 2004 . (148) Managing patient dose in multi-detector computed tomography(MDCT). ICRP. Publication 102. Ann ICRP 200737(1):1-79, iii. Icrp: List of Books by Author Icrp - Paperback Swap In 1977, Publication 26 — Recommendations of the ICRP, Annals of the ICRP . made based on the results of BEIR Committee Report V, Health Effects of Exposure to Low Levels of Ionizing Radiation. ICRP Publication 102: Managing Patient Dose in Multi-Detector Computed Tomography (MDCT). Ann ICRP. 200737(1). ICRP Publication 102: Managing Patient Dose in Multi-Detector . 26 Apr 2017 . For pediatric patients, VirtualDose was compared to CT-Expo and (ICRP) addressed the importance of multi-detector CT patient dose . 103 Publication, as well as doses to the 13 organs defined as Managing patient dose in multi-detector computed tomography(MDCT). ICRP Publication 102. ?Annals of the ICRP - DSpace Managing patient dose in multi-detector computed tomography. ICRP Publication 102. Ann ICRP 2007 37:1-79. [8] Etard C, Sinno-Tellier S, Aubert B. Exposition ICRP Publication 129: Radiological Protection in Cone Beam . CT dose data by CT radiation treatment planning scans versus CT diagnosis . Valentin J. Managing patient dose in multi-detector computed tomography(MDCT). ICRP Publication 102. Ann ICRP. 200737(1):1-79, iii. 11. Annals of the ICRP. D. Vicente, V. Dessandier, A. S. Pimenta, C. M. D. S. Dos Santos Almeida,