

ICRP Committee 3 Meeting November 18-24, 2019, Adelaide, Australia

The meeting was held in conjunction with the 5th biennial ICRP Symposium 2019. C3 met with the other committees for vibrant discussions and review of shared activities and potential new ones.

Task Groups:

TG 36 (C2/C3): Radiation dose to patients in diagnostic nuclear medicine: Revision of P128 with new radiopharmaceuticals is likely to be done in 2020 and also an electronic radiopharmaceutical dose viewer.

TG 89 (C3): Occupational Radiological Protection in Brachytherapy: The review by C3 and MC prior to public consultation is scheduled to be completed by 31st Jan and then the document will be posted for public consultation.

TG 108 (C3): Optimisation of Radiological Protection in Digital Radiography, Fluoroscopy, and CT in Medical Imaging. The draft is likely to be available for review by C3 prior to 2020 meeting.

TG 109 (C3/C4): Ethics in Radiological Protection for Medical Diagnosis and Treatment

The document will have significant coverage of case scenarios. TG will meet in May 2020 during IRPA conference at Seoul.

TG 110 (C3/C4): Radiological Protection for Occupational and Public Exposure in Veterinary Practice. Some fundamental questions are being sorted out and the TG will meet during the IRPA conference in May 2020 at Seoul with the possibility of a draft becoming available before C3 meeting in Nov 2020.

TG111 (C1/C3): Radiation protection in medicine related to individual radio-susceptibility. The literature review is ongoing, but it will take time to discuss five key questions identified. The TG will assess the reliability of predictive assays. The report shall include factors that can modify susceptibility to cancer.

TG 113 (C2/C3). Reference Organ and effective dose coefficients for common diagnostic x-ray imaging examinations. This is a new TG in which the initial focus is to identify representative radiographic examinations to allow cross validation of the Monte Carlo codes being used. Exams chosen were PA chest and supine AP abdomen.

TG 116: Radiological protection aspects of imaging in radiotherapy. This is a new TG just approved at Adelaide meeting to provide recommendations on the imaging for radiation therapy planning and during therapy guidance.

TG 117 approved by MC in Adelaide. It was WP before): Radiological protection in PET and PET/CT. This is a new TG just approved at Adelaide meeting as an upgrade from the WP.

Current and New Working Parties:

WP: Framework for Justification in Medical Uses of Ionizing Radiation. An article is in preparation for publication in a journal.

WP (completed) on ICRPaedia: C3 content. The contents continue to be improved and are online and there have been 9518 visits in a month.

WP (completed) ICRP Glossary. C3 has contributed its contents and the glossary is at advanced stage. C3 members will review the second portion of contents in the next month.

WP Update of ICRP P62 of 1992 on biomedical research. A WP was approved to recognize this important document.

WP (with C2) on RP of radiopharmaceuticals for therapy. This is a continuation of some members of TG101.

WP (new, with C4): RP in Production and Transport of Radiopharmaceuticals. This was discussed in Adelaide as a gap in guidance.

Other topics discussed with potential for action are:

- Radiological protection of individual patients receiving high cumulative doses
- Personal shielding for patients, carers/comforters, and workers

The next meeting of C3 shall be held in Milan on 8-10 Nov 2020.

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