

ICRP Committee 3 Meeting

27 & 29 October 2021 (Virtual)

Due to the COVID-19 related situation worldwide, the C3 October meeting 2021 was held via videoconference over two days. In depth reports were delivered by the chairs of Task Group 108 and 109 and shorter reports by the chairs of TG113, TG 116 and TG117. Reports were also received regarding TG111 and from all working parties. Since the meeting was shorter than would be the case in non-COVID times, it was agreed that additional C3 meetings would be held at 3 monthly intervals. At the next meeting, in depth reports will be presented by the chairs of TG113 and TG 116.

Update on TG 108 Optimisation of Radiological Protection in Digital Radiology Techniques for Medical Imaging – Part 1 of the publication is complete, has been subject to the critical review process and is being submitted to the main commission. Part 2 is currently being drafted.

Update on TG 109 Ethics in Radiological Protection for Medical Diagnosis and Treatment – A draft has been prepared and C3 members have been invited to comment by February 2022.

Update on TG 110 Radiological Protection in Veterinary Practice – The C3/C4 chairs will propose a MC vote for public consultation of the draft; the C3 chair also proposed that the two co-chairs of TG110 should liaise on further work relevant to ICRP committees 3 and 4.

Update on TG 111 Individual Response of Humans to Ionising Radiation – The aim of TG111 is to review the current state of knowledge on variation in individual response to radiation. Having identified the key areas of interest, a systematic approach to review of the scientific literature is being taken.

Update on TG113 Reference Organ and Effective Dose Coefficients for Common Diagnostic X-ray Imaging Examinations – Modelling complete for adult radiography and 90% complete for paediatric. Good progress with CT. A potential way forward identified for fluoroscopic investigations

Update on TG 116 Radiological Protection in Imaging in Radiotherapy – TG members are revising chapters for a second draft to be collated towards the end of this year.

Update on TG 117 Radiological Protection in PET/CT – A second draft of the document has been updated with the comments by the TG, considering also additional guidelines to reduce the length of the document

Update on working party on pregnant patients, fetus, premature infant, neonate and infants – WP being convened

Update on working party on AI – WP being convened

Update on working party on Radiotherapies and AI – During and after drafting P140, new technologies surrounding therapeutic radiopharmaceuticals have been increasing, and need monitoring. The scope of this WP is to be expanded to include ALL radiation therapies and AI, not just limited to radionuclides.

Update on working party on revision of *Publication 62* – WP being convened, and scope of possible publication identified.

Update on working party on individual effective dose – A Task Group has been proposed that would develop an additional dose quantity based on estimates of doses to organs and tissues for phantoms matched to individual patients rather than for a reference phantom, and then, taking account of the sex and age specific risks, put this into a form that equated to the present effective dose.