

ICRP Committee 2 Meeting

October 19, 23-25, 2015 – Seoul, Korea

Task Group 96 on **Computational Phantoms and Radiation Transport**: Public consultation on the draft report on **internal radiation transport calculations for adults** was completed in October 2015; publication is anticipated in 2016. Work on paediatric phantoms and radiation transport calculations is in progress.

Task Group 95 on **Internal Dose Coefficients**: Part 1 of a series of reports on Occupational Intakes of Radionuclides is now available as *Publication 130*. Parts 2-4 should be completed in 2016, providing *Publication 103* compliant dose coefficients and bioassay data. Work to replace public dose coefficients is in progress.

Task Group 90 on **Age-dependent Dose Conversion Coefficients for External Exposures to Environmental Sources**: Work is in progress to provide dose coefficients for external exposures of members of the public, important in the context of accidental releases from nuclear facilities as well as more generally.

Task Group 79 on **The Use of Effective Dose as a Risk-Related Dosimetric Quantity**: This Task Group of Committees 1, 2, 3, and 4, will provide advice on the use of effective dose. A first draft was discussed by Committees and Main Commission and key proposals presented at the symposium.

Task Group 36 on **Radiopharmaceuticals**: This joint task group of Committees 2 and 3 recently provided *Publication 128* as a compilation of *Publication 60* based dose coefficients for radiopharmaceuticals. The main future work is to update *Publication 128* with values calculated using *Publication 103* methodology, as well as providing dose coefficients for new radiopharmaceuticals.

Committee 2 discussed progress of a working group set up to develop **polygon mesh phantoms** to overcome some difficulties in the application of voxel phantoms, including segmentation of smaller tissues such as the lens of the eyes, the skin, the walls of some organs, and skeletal tissues. Other issues discussed included joint work with the International Commission on Radiation Units and Measurements to update **operational quantities** used in measurement of external radiation exposures. A number of Committee 2 members and a member of Committee 5 presented the session on The Science behind Radiation Doses in the **3rd International Symposium on the System of Radiological Protection**, organised in conjunction with joint meetings of the ICRP Main Commission and Committees.

The next meeting of Committee 2 will take place in Oxford, UK in September 2016.