ICRP Committee 2 Meeting

September 17-20, 2018 – Beijing, China

The 2018 meeting was held in Beijing, hosted by Professor Junli Li of Tsinghua University. Discussions focussed on Task Group progress and other issues included: (1) a joint report with ICRU to update ***operational quantities*** used in measurement of external radiation exposures; (2) dosimetry for non-human biota; and (3) dosimetry in emergencies.

Task Group 36 on ***Radiopharmaceuticals***: This joint task group of Committees 2 and 3 is working to update *Publication 128* with values calculated using *Publication 103* methodology, as well as providing dose coefficients for new radiopharmaceuticals. Discussions were also held on requirements for parallel work with C3 to provide dose coefficients for diagnostic x-ray procedures.

Task Group 79 on ***The Use of Effective Dose***: Public consultation earlier in 2018 elicited a large number of comments, many supportive but others critical of aspects of the report. The committee discussed the advice provided by the report and responses to comments and suggestions received.

Task Group 90 on ***Age-dependent Dose Conversion Coefficients for External Exposures to Environmental Sources***: This report was issued for public consultation during 2018 with an end-date of 12th October. Work has continued on the electronic annex to accompany the report.

Task Group 95 on ***Internal Dose Coefficients***: The final version of Part 4 of a series on ***Occupational Intakes of Radionuclides*** was discussed in Beijing in preparation for approval for publication by the Main Commission in Stockholm. It provides ***Publication 103*** compliant dose coefficients and associated bioassay data for radioisotopes of actinide and lanthanide elements. Work is also in progress to replace public dose coefficients.

Task Group 96 on ***Computational Phantoms and Radiation Transport***: A report providing paediatric phantoms was issued for public consultation during 2018 with an end-date of 9th November. A parallel report is in preparation to provide internal radiation transport data. TG 96 phantoms will be used for all calculations of *Publication 103* based dose coefficients.

Task Group 103 on ***Mesh-Type Reference Computational Phantoms*** is converting phantoms to high-quality mesh format to address some limitations of the voxel-type phantoms and allow all calculations to be done with the reference phantoms. A report on adult mesh-type phantoms was issued for public consultation during 2018 with an end-date of 14th December.

The next meeting of Committee 2 will take place in Adelaide, Australia, on 18th and 22nd – 24th November, jointly with meetings of other committees, on the occasion of the 5th International Symposium of ICRP.