ICRP Committee 2 meeting in Munich on November 4-6, 2024

C2 Task Groups:

- TG 36 "Radiation doses to patients in diagnosis nuclear medicine". The TG36 Report was submitted to critical reviewers of the MC. All the dose coefficients will be available in electronic format. A new TG is planned on dose coefficients for exposures of patients during pregnancy and breast feeding.
- TG 95 "Internal Dose Coefficients". EIR Reports are in progress dealing with exposure of members of the public. EIR Part 1 was approved for publication as ICRP Publication 159 (in press, 1 year delay). EIR Part 2 was in public consultation, bioassay functions were requested, but decision is that they will not be published. EIR Data Viewer was completed yet. Draft of Part 3 will be available on early 2025. Work of Part 4 just started.
- TG 103 "Mesh-Type Reference Computational Phantoms". A detailed heart model for different age-groups is in progress. Report of the pregnant female mesh reference phantoms will be reviewed by MC for approval for Public Consultation in 2025.
- TG 112 "Emergency Dosimetry". Alpha test version of McSEE Emergency software for Monte Carlo calculations (external exposures) using Mesh phantoms is completed; internal validation is in process. Datasets for internal exposures will consider short time integration and dose coefficients for the assessment of absorbed organ doses; decorporation and thyroid blockade will be considered too.
- TG 113 "Dose coefficients for diagnostic x-ray imaging" in Radiography, Computed Tomography (CT) scan and Fluoroscopy". The Radiography Report was online for public consultation in 2024, 98 comments were received; a 2024 and a webinar was organized on 22 July 2024 (410 participants). Regarding CT, the draft report is in progress. The dosimetry of the pregnant patient and fetus has started for patients undergoing CT examinations (mesh-type pregnant phantoms are used). UF/NCI hybrid computational phantoms are used for Monte Carlo calculations dealing with fluoroscopy (adults) procedures. Dose coefficients for selected examinations of Pediatric Diagnostic Fluoroscopy have been calculated

Other Task Groups with C2 members:

- TG 122 "Radiation Detriment Calculation Methodology" (C1).
- TG 115 "Doses and risks for RP of astronauts" (C1).
- TG 116 "Radiological Protection aspects of imaging in radiotherapy" (C3)
- TG 118 "RBE, Q, wR" (C1).
- TG 119 "Cardiovascular diseases" (C1).
- TG 120 "RP for Radiation Emergencies and Malicious Events" (C4).
- TG 121 "Effects of Ionising Radiation Exposure in Offspring and Next Generations" (C1)
- TG 128 "Individualisation and Stratification in Radiological Protection: Implications and Areas of Application"

Other topics:

- EURADOS-ICRP Training Course on "Theory and Practical Application of Codes for the Determination of Dose After Internal Contamination" was successfully organized in Fontenay-aux-Roses (France) on 14-18 October 2024. There were 23 attendees. A new edition may be organized in the future.
- IAEA coordinated research project on dosimetry for terrestrial animals and plants: one C2 member is observer
- ICRP C2 Publication in 2024:
    - ICRP Publication 155 – Specific Absorbed Fractions for Reference Paediatric Individuals- TG96
- ICRP C2 Publications in press:
    - ICRP Publication 156 – TG103
    - ICRP Publication 159 – EIR Part 1, TG95
- There are 9 mentees in C2: 5 from South Korea, 1 from Germany, 3 from US
- Next C2 online meeting will be held on May 7, 2025