

# MINUTES OF THE MEETING OF ICRP COMMITTEE 3 (SUMMARY)

Hong Kong, 29<sup>th</sup> Sept. to 3<sup>rd</sup> October 2010

## Participants:

Vano ELISEO Prof (Spain) Chairman  
Cosset JEAN-MARC Prof (France) Vice-Chairman  
Rehani MADAN M. Prof (IAEA) Secretary

Åhlström Riklund KATRINE Prof (Sweden)  
Baeza MARIO (Chile)  
Dauer LAWRENCE (USA)  
Hopewell JOHN W Prof (UK)  
Khong PEK-LAN Prof (Hong Kong, China)  
Mattsson SÖREN Prof (Sweden)  
Miller DONALD (USA)  
Ortiz Lopez PEDRO Dr (Spain)  
Ringertz HANS (Sweden)  
Yonekura YOSHIHARU Dr (Japan)  
Yue BAORONG Prof (China)

Perez Maria del Rosario Dr. (WHO observer)

Apologies were received from Igor Gusev and Marvin Rosenstein

The Chairman, Professor Eliseo Vano, welcomed members and observers, in particular the new members Donald Miller and Lawrence Dauer.

- 1. Chair's report:** Professor Vano presented his report. It included Publication No. 112 which was recently published and documents that are at advanced stage of preparation: Education and training; Secondary cancer risk after modern radiotherapy; Cardiology; Paediatrics; and Fluoroscopic guided procedures outside of the imaging department. Reports likely in 2012 and later are Radiopharmaceuticals; Charged particle therapy; Imaging of asymptomatic patients; and follow-up and management of accidentally exposed individuals. He also mentioned other aspects of committee work in addition to producing documents: cooperation with colleagues from other committees, enhancing the ICRP's presence in the medical community, conferences and journals, further cooperation with WHO, IAEA, EC, IEC and other international organizations.

In the discussion of the Chairman's report, it was reemphasized that publications by C3 members promoting ICRP C3 documents should be encouraged and that the educational area on the ICRP website containing electronic presentations should be strengthened by the addition of presentations pertaining to ICRP Publications. Translation of educational material and ICRP documents into other languages was encouraged.

- 2. Working Party (WP): Radiological protection education and training for medical diagnostic and interventional procedures for healthcare staff and students.** Professor Vano provided feedback on comments received after public consultation (about 300

comments from 19 individuals and 15 organizations or societies). The document is to be reviewed by the MC before approval for a publication.

3. **Task Group (TG): Secondary cancer risk in modern Radiotherapy: Practical recommendations.** Professor JM Cosset presented the status of the draft and mentioned about agreement with ICRU.
4. **TG: Radiological protection outside the imaging department in fluoroscopically and radio-isotopically guided procedures.** Dr. Rehani presented the draft document which was reviewed.
5. **WP: Radiological protection in paediatric diagnostic and interventional radiology.** Professor Pek-Lan Khong presented the document that was earlier prepared by Prof. Hans Ringertz as Chair and it was reviewed.
6. **TG: Dose to patients from radiopharmaceuticals.** Professor Sören Mattsson presented the progress with document and it was reviewed.
7. **TG: Patient and staff Radiation Protection in Cardiology.** Professor Donald Miller presented the document that was earlier prepared by Dr. Clair Cousins as Chair. The document was reviewed.
8. **WP: Radiation protection in ion beam therapy:** Professor Yoshiharu Yonekura presented the document which was reviewed.
9. **The use of ionising radiation in imaging of the asymptomatic individual.** Professor Katrine Ahlstrom Riklund presented a review of the situation.
10. **WP: Follow up of persons accidentally exposed.** Since Dr. Igor Gusev was not present at the meeting the matter was deferred.
11. **Radiation detriment and effective dose:** Dr. Pedro Ortiz-Lopez summarised the situation regarding the merits of effective dose in medicine, its wide usage by UNSCEAR, caveats used, limitations for risk estimation in children and the elderly and the alternative of a risk-based representation rather than a dose-based representation. There was considerable discussion on the application of radiation detriment as an alternative to effective dose when comparing the health impact of various sources among populations with different ages, sex distributions. This matter needs to await deliberations by the TG
12. **Possible effects resulting from interaction between ionizing and non-ionizing radiations.** Dr. Maria Perez made a presentation. A note on the topic was prepared.
13. **Radon therapy:** Professor Sören Mattsson made a presentation. A note prepared on the topic.
14. **Future topics:**
  - i. Occupational protection in brachytherapy, priority 1. Lawrence Dauer (Chair),
  - ii. Justification: Framework on justification on the use of ionizing radiation in medical imaging: Priority 1. Hans Ringertz (Chair),

- iii. Occupational protection issue in relatively higher exposure situations in interventional procedures. Awaiting advances and results from the IAEA in ISEMIR project. Priority 2. Pedro Ortiz-Lopez (Chair),.
- iv. Radiation protection in cone-beam CT (medical and dental). Priority 1 – Madan Rehani (Chair).
- v. Review existing documents by the IAEA and others on occupational protection issues in PET/CT and cyclotron use; decide action. Priority 2- Soren Mattson and Lawrence Dauer to keep under review.
- vi. Extending the use of reference levels to interventional radiology, digital radiology and new technology, priority 2. - Wait.

The next meeting will be held jointly with the MC and the other ICRP committees on October 24-28, 2011 in Washington.