Welcome remarks IAEA

Oleg Belyakov

Radiation Biologist

Applied Radiation Biology and Radiotherapy Section
Division of Human Health
Contents

• Background about IAEA
  • NAHU - Division of Human Health
  • ARBR - Applied Radiation Biology and Radiotherapy Section
  • Human Health Campus
• Emergency preparedness and response
  • EPR-IECommand and REPLIE
  • IEC - the Incident and Emergency Centre
  • RANET - Response and Assistance Network
• BIODOSE-21 meeting overview
• Acknowledgments
ARTICLE II: Objectives

“The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, *health* and prosperity throughout the world. It shall ensure, so far as it is able, that assistance provided by it or at its request or under its supervision or control is not used in such a way as to further any military purpose.”
On 2 July 2009 the IAEA Board of Governors formally appointed Yukiya Amano as IAEA Director General. His mandate started during the IAEA General Conference.
NAHU - Division of Human Health

DIVISION OF HUMAN HEALTH

NUTRITION and HEALTH RELATED STUDIES

NUCLEAR MEDICINE

RADIATION BIOLOGY and RADIOTHERAPY

DOSIMETRY and MEDICAL PHYSICS
Objective of NAHU

To enhance capabilities in Member States to address needs related to the prevention, diagnosis and treatment of health problems through the development and application of nuclear techniques within a framework of quality assurance.
To enhance Member States capabilities to establish sound policies concerning radiotherapy and cancer treatment, and to ensure the effective and efficient utilization of current and future advances in cancer radiotherapy treatment technologies.

...increase capability of Member States in their safe and effective use of radiotherapy and radiation biology.
What we do?

- Organise courses and training events.
- Coordinate and edit publications.
- Coordinate Research Projects (CRP).
- Evaluate Fellowships and Scientific Visits.
- Facilitate Expert Missions.
- Provide technical support to Department of Technical Cooperation.
- Provide technical support to PACT - Programme of Action for Cancer Therapy.
Human Health Campus

http://humanhealth.iaea.org/
Emergency preparedness and response

Method for Developing Arrangements for Response to a Nuclear or Radiological Emergency

Generic procedures for medical response during a nuclear or radiological emergency

Joint Radiation Emergency Management Plan of the International Organizations

IAEA
International Atomic Energy Agency

Publication Date: October 2003

Publication Date: April 2005

Date Effective: 1 January 2010

OvB BIDOSE-21, Hiroshima, Japan 10 June 2013
IAEA's Response System

- REPLIE - the Response Plan for Incidents and Emergencies provides the high-level basis for the Secretariat’s emergency preparedness and response to a radiation-related event.
IEC - Incident and Emergency Centre

• The Incident and Emergency Centre is the IAEA focal point for responding to nuclear or radiological incidents and emergencies occurring around the world.

• In cooperation with other IAEA units, the IEC ensures that the Secretariat is prepared to respond to, and to provide or coordinate assistance in any nuclear or radiological incident and emergency.

• ARBR section is represented in IEC by Eduardo Rosenblatt (focal contact point) and Oleg Belyakov (alternate focal contact point).
• To strengthen the IAEA’s capability to provide assistance and advice, and/or to co-ordinate the provision of assistance.
• To promote emergency preparedness and response capabilities for nuclear or radiological emergencies among IAEA Member States.
The objective is to develop the ability of biodosimetry laboratories to use mature and novel techniques in biological dosimetry for the estimation of radiation doses received by individuals and populations.
Learning outcomes

• Discuss standard classic techniques in biodosimetry.
• Apply currently accepted techniques for dose estimation.
• Compare advantages and weaknesses of standard techniques.
• Evaluate novel techniques in terms of accuracy and timeliness.
Meeting overview

- 18 lectures arranged by HICARE and IAEA, days 1-5.
- Photo session (day 1, before lunch).
- Reception on day 1 at 17.30.
- Peace memorial museum visit on day 3.
- 8 research reports by IAEA network centres (CRP E3.50.08) on day 4.
- Laboratory exercise at Hiroshima University (day 4) and RERF - Radiation Effects Research Foundation (day 5).
Meeting materials

• Printed materials including information about HICARE and IAEA, latest programme, updated list of participants and practical information.

• Please note course evaluation form to be filed and returned to me by the end of the meeting or by e-mail.

• Prefilled submission form (for presenters only) to be completed and returned to me before or on 13 June 2013, day 4 of the meeting.

• Certificates of Attendance and Electronic materials will be distributed on the last day of the meeting.
Electronic materials on USB memory stick

• Working Materials
  • Information about HICARE and IAEA
  • Information about IAEA CRP on Biodosimetry
  • Meeting information and group photo
  • PDF copies of presentations

• IAEA copyrighted materials
  • Radiation Biology: A Handbook for Teachers and Students, Training Course Series 42, Vienna, 2010
Acknowledgments

- Toshiteru Okubo, President of HICARE and Hiromi Sekino (HICARE).
- Co-organisers Yoshiaki Kodama (RERF), Satoshi Tashiro (Hiroshima University), Ed Rosenblatt (IAEA) and Jan Wondergem (ex IAEA, LUMC).
- Special thanks to Jennifer K. Ince (IAEA), Ulrike Monks (IAEA) and Hiroyo Ando (IAEA/NIRS).
- The training meeting was funded jointly by HICARE and IAEA.