PRESIDENT OF THE CONFERENCE:
G.S. Ibbott, USA

PROGRAMME COMMITTEE:
M. Rehani, USA (Chair)
S. Ebdon-Jackson, UK
S. Gabriel, IAEA
D. Gilley, IAEA
O. Holmberg, IAEA
M. Hosono, Japan
D. Husseiny, Egypt
P. Jimenez, PAHO
T. Knöös, Sweden
M. Perez, WHO
G. Soto, Chile
E. Vañó, Spain
J. Vassileva, IAEA

IAEA CONFERENCE SECRETARIAT:
Scientific Secretary: O. Holmberg
Conference Coordination: M. Khaelss
M. Neuhold
Administrative Support: J. Foran
N. Danso
TC Coordinator: S. Walleczek

Location of the Conference:
International Atomic Energy Agency
Vienna International Centre (VIC)
Board Room B / M1 (M-Building)
Wagramer Strasse 5
1400 Vienna, Austria
Tel: +43 1 2600 0

Working Language: English

Resolutions:
No resolutions may be submitted for consideration on any subject; no votes will be taken.
TIMETABLE

Monday, 11 December 2017

08:00-10:00  Registration
10:00–11:00  Opening Session
11:00–12:20  Briefing Session
12:20–14:00  Lunch Break
12:20–13:00  Poster visit
14:00–16:30  Session 1: Justification in the use of radiation in medical imaging
16:30–17:00  Coffee Break
17:00–18:00  Roundtable A: How are we strengthening radiation safety culture in healthcare?

Tuesday, 12 December 2017

09:00–10:25  Session 2: Radiation protection of patients and staff in diagnostic radiography, fluoroscopy and CT
10:25–11:00  Coffee Break
11:00–12:00  Session 2 (continued)
12:00–14:00  Lunch Break
12:10–13:10  EC breakout session: 30 years of regulating medical exposures: progress so far, challenges and opportunities
14:00–16:30  Session 3: Radiation protection of patients and staff in radiotherapy including brachytherapy
16:30–17:00  Coffee Break
17:00–18:00  Roundtable B: How are we meeting radiation protection challenges in design and implementation of new technologies?

Wednesday, 13 December 2017

09:00–10:25  Session 4: Radiation protection of patients, staff and the public in diagnostic and therapeutic nuclear medicine and hybrid imaging
10:25–11:00  Coffee Break
11:00–12:00  Session 4 (continued)
12:00–14:00  Lunch Break
12:10–13:10  UNSCEAR breakout session: UNSCEAR’s global surveys on radiation exposure – implementation of action 6 of the Bonn Call for Action
14:00–16:30  Session 5: Radiation protection in medical exposures of children and pregnant women
16:30–17:00  Coffee Break
17:00–18:00  Roundtable C: How are we fostering and improving the radiation benefit/risk dialogue?

Thursday, 14 December 2017

09:00–10:25  Session 6: Radiation protection of patients and staff in interventional procedures
10:25–11:00  Coffee Break
11:00–12:00  Session 6 (continued)
12:00–14:00  Lunch Break
12:10–13:10  ISR breakout session: Regional and national quality and safety campaigns driven by professional organisations – Bonn Call for Action turned into practice
14:00–16:30  Session 7: Learning from unintended and accidental exposures in medicine
16:30–17:00  Coffee Break
17:00–18:00  Roundtable D: How are we meeting challenges in patient dose recording, tracking and data management?

Friday, 15 December 2017

09:00–10:30  Session 8: Radiation protection in mammography, dental and maxillofacial imaging and other diagnostic modalities
10:30–11:00  Coffee Break
11:00–13:40  Mobilizing for Future Effective Work and Conclusions
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<tr>
<th>Time</th>
<th>Event</th>
<th>Chair</th>
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<tbody>
<tr>
<td>08:00-10:00</td>
<td>Registration</td>
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<tr>
<td>10:00-11:00</td>
<td>OPENING SESSION</td>
<td>IAEA</td>
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<td></td>
<td><strong>Opening Addresses</strong></td>
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<td>10:00</td>
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<td>10:07</td>
<td>WHO</td>
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<td>10:14</td>
<td>PAHO</td>
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<td><strong>Conference President's Address</strong></td>
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<tr>
<td>10:21</td>
<td>G. S. Ibbott (USA)</td>
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<td></td>
<td><strong>Keynote Address</strong></td>
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<td>10:28</td>
<td>M. Rehani (USA)</td>
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</table>
11:00-12:20  BRIEFING SESSION

Chair:
O. Holmberg, IAEA

The Bonn Call for Action – A Joint Position Statement by the IAEA and the WHO

Short briefing activities and priorities influenced by the Bonn Call for Action

Co-sponsors and Co-operating organizations

11:00–12:00  Lunch Break

12:20-13:00  Poster visit

Monday, 11 December 2017

14:00-16:30  SESSION 1:
Justification in the use of radiation in medical imaging

Chair:
J. Malone, Ireland
M. Bettmann, USA

Introduction of the Topic:

14:00
J. Malone, Ireland

Topical Presentations:

14:10  S. E. Jung, Rep. of Korea
Successful implementation of justification in the Republic of Korea

14:35  D. Remedios, UK
Practical implementation of criteria for appropriate imaging in symptomatic and asymptomatic individuals

15:00  G. McGinty, ACR
Clinical decision support: Past, present and future

Summary of Contributed Papers:

15:25  R. Mendelson, Australia

15:50  Discussion

16:30–17:00  Coffee Break
17:00-18:00  ROUNDTABLE A:
How are we strengthening radiation safety culture in healthcare?

Chair:  S. Ebdon-Jackson, UK
        M. Perez, WHO

Introduction of the Topic:

17:00  S. Ebdon-Jackson, UK

Summary of Contributed Papers:

17:10  M. Perez, WHO

Statements:

17:15  J. Hirsch, USA
        Radiation safety culture in organizations' safety culture

17:20  J. A. Suwaidi, UAE
        Radiation safety culture experience from UAE and the Middle East

17:25  G. Paulo, Portugal
        Strengthening radiation safety culture in healthcare at ground level

17:30  Discussion
**Tuesday, 12 December 2017**

| 09:00-10:25 | SESSION 2: 
*Radiation protection of patients and staff in diagnostic radiography, fluoroscopy and CT* |
| --- | --- |
| **Chair:** | C. Martin, UK  
J. Vassileva, IAEA |
| **Introduction of the Topic:** | 09.00  
C. Martin, UK |
| **Topical Presentations:** | 09:10  
D. Husseiny, Egypt  
Successful establishment and use of national DRLs in Egypt |
| | 09:35  
E. Samei, USA  
Diagnostic information and dose: Creating a balance |
| | 10:00  
S. Digumarthy, USA  
From highest dose to lowest dose in CT |
| **10:25–11:00** | Coffee Break |
| **11:00-12:00** | SESSION 2 (cont’d) |
| **Summary of Contributed Papers:** | 11:00  
A. Nader, Uruguay |
| | 11:25  
Discussion |
<p>| <strong>12:00–14:00</strong> | Lunch Break |</p>
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<tr>
<th>Time</th>
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<tr>
<td>14:00-16:30</td>
<td><strong>SESSION 3:</strong></td>
<td>Radiation protection of patients and staff in radiotherapy including brachytherapy</td>
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<tr>
<td>Chair:</td>
<td>T. Knöös, Sweden</td>
<td>NAHU, IAEA</td>
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<tr>
<td>14:00</td>
<td>T. Knöös, Sweden</td>
<td><strong>Topical Presentations:</strong></td>
</tr>
<tr>
<td>14:10</td>
<td>J. L. Rodriguez Perez, Chile</td>
<td>Issues and good examples of safe practice in radiotherapy in different resource settings</td>
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<tr>
<td>14:35</td>
<td>T. S. Suh, IOMP</td>
<td>Impact of new treatment technology on patient radiation protection in radiotherapy (including brachytherapy)</td>
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<tr>
<td>15:00</td>
<td>G.S. Ibbott, USA</td>
<td>Appropriate and safe use of imaging in radiotherapy</td>
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<tr>
<td>15:25</td>
<td>E. Gershkevitsh, Estonia</td>
<td><strong>Summary of Contributed Papers:</strong></td>
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<td>15:25</td>
<td>E. Gershkevitsh, Estonia</td>
<td><strong>Discussion:</strong></td>
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<td>16:00</td>
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<td><strong>Discussion:</strong></td>
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<td>16:30-17:00</td>
<td><strong>Coffee Break</strong></td>
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<td>17:00-18:00</td>
<td><strong>ROUNDTABLE B:</strong></td>
<td>How are we meeting radiation protection challenges in design and implementation of new technologies?</td>
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<tr>
<td>Chair:</td>
<td>J. Bushberg, USA</td>
<td>A. Schreiner, Luxembourg</td>
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<tr>
<td>17:00</td>
<td>J. Bushberg, USA</td>
<td><strong>Introduction of the Topic:</strong></td>
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<tr>
<td>17:10</td>
<td>A. Schreiner, Luxembourg</td>
<td><strong>Summary of Contributed Papers:</strong></td>
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<tr>
<td>17:15</td>
<td>A. Schreiner, Luxembourg</td>
<td><strong>Statements:</strong></td>
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<tr>
<td>17:20</td>
<td>W. Mayo-Smith, ACR</td>
<td>The end-users’ perspective</td>
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<tr>
<td>17:25</td>
<td>N. Denjoy, France</td>
<td>The manufacturers’ perspective</td>
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<tr>
<td>17:30</td>
<td>J. Griebel, Germany</td>
<td>The regulatory authorities’ perspective</td>
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<td><strong>Discussion</strong></td>
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</table>
### SESSION 4:
*Radiation protection of patients, staff and the public in diagnostic and therapeutic nuclear medicine and hybrid imaging*

**Chair:** S. Mattsson, Sweden  
A. Krisanachinda, Thailand

#### Introduction of the Topic:

09:00  
S. Mattsson, Sweden

#### Topical Presentations:

09:10  
M. Hosono, Japan  
Impact of new technology on patient radiation protection in nuclear medicine—including hybrid systems, low dose PET

09:35  
G. El Fakhri, USA  
Impact of new radio-pharmaceuticals on patient and staff radiation protection in nuclear medicine – including gene therapy

10:00  
M. Brambilla, EFOMP  
Personalized dosimetry in diagnostic and therapeutic nuclear medicine

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**Coffee Break**  
10:25–11:00

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**SESSION 4 (cont’d)**

**Summary of Contributed Papers:**

11:00  
D. Newman, ISRRT

11:25  
Discussion

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**Lunch Break**  
12:00–14:00
### Wednesday, 13 December 2017

**14:00-16:30**  
**SESSION 5:**  
Radiation protection in medical exposures of children and pregnant women  
**Chair:** K. Applegate, ICRP  
E. Sorantin, Austria  

**Introduction of the Topic:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter/Topic</th>
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<tbody>
<tr>
<td>14:00</td>
<td>K. Applegate, ICRP</td>
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<tr>
<td>14:10</td>
<td>E. Attalla, Egypt: Radiation protection issues in paediatric radiotherapy in practice</td>
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<tr>
<td>14:35</td>
<td>J. Damilakis, EFOMP: How safe are x-ray imaging and nuclear medicine in pregnancy?</td>
</tr>
<tr>
<td>15:00</td>
<td>D. Frush, Image Gently: What more can we do to make children safer in x-ray imaging and nuclear medicine?</td>
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**Summary of Contributed Papers:**

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<th>Time</th>
<th>Presenter/Topic</th>
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<tr>
<td>15:25</td>
<td>R. Seuri, Finland</td>
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</table>

**Discussion**

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**17:00-18:00**  
**ROUNDTABLE C:**  
How are we fostering and improving the radiation benefit/risk dialogue?  
**Chair:** M. Mahadevapa, AAPM  
R. Kanda, Japan  

**Introduction of the Topic:**

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<tr>
<th>Time</th>
<th>Presenter/Topic</th>
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<tbody>
<tr>
<td>17:00</td>
<td>M. Mahadevapa, AAPM</td>
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**Summary of Contributed Papers:**

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<th>Time</th>
<th>Presenter/Topic</th>
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<tr>
<td>17:10</td>
<td>R. Kanda, Japan</td>
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**Statements:**

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<tr>
<th>Time</th>
<th>Presenter/Topic</th>
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<tbody>
<tr>
<td>17:15</td>
<td>R. Wolf, Switzerland: Improving dialogue about benefits and risks in different situations</td>
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<tr>
<td>17:20</td>
<td>A. Shogren, USA: Tools for supporting radiation benefit/risk dialogue in medical settings</td>
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<tr>
<td>17:25</td>
<td>M. Murphy, Ireland: Do patients care about radiation risk?</td>
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**Discussion**
Thursday, 14 December 2017

09:00-10:25  SESSION 6:  
Radiation protection of patients and staff  
in interventional procedures

Chair:  
C. Cousins, ICRP  
D. Miller, USA

Introduction of the Topic:

09:00  
C. Cousins, ICRP

Topical Presentations:

09:10  
P. Miranda, Chile  
Radiation protection in paediatric  
interventional procedures

09:35  
S. Balter, USA  
Risk management of skin injuries in  
interventional procedures

10:00  
E. Vano, Spain  
Occupational radiation risks in interventional  
procedures

10:25–11:00  Coffee Break

11:00-12:00  SESSION 6 (cont’d)

Summary of Contributed Papers:

11:00  
V. Tsapaki, Greece

11:25  Discussion

12:00–14:00  Lunch Break

ISR breakout session:  
Regional and national quality and safety  
campaigns driven by professional  
organisations – Bonn Call for Action  
turned into practice
### Thursday, 14 December 2017

#### 14:00-16:30  SESSION 7:  
*Learning from unintended and accidental exposures in medicine*

**Chair:**  
A. Isambert, France  
D. Gilley, IAEA

**Introduction of the Topic:**  

**14:00**  
A. Isambert, France

**Topical Presentations:**

**14:10**  
U. Findlay, UK  
Using incident learning systems to prevent medical radiation incidents and accidents

**14:35**  
R. Loose, Germany  
Avoidance of incidents in radiological procedures

**15:00**  
G. Frija, ESR  
What can non-radiotherapy users learn from radiotherapy?

**Summary of Contributed Papers:**  

**15:25**  
M. Coffey, Ireland

**15:50**  
Discussion

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#### 17:00-18:00  ROUNDTABLE D:  
*How are we meeting challenges in patient dose recording, tracking and data management?*

**Chair:**  
M. Rehani, USA  
A. M. Rojo, Argentina

**Introduction of the Topic:**  

**17:00**  
M. Rehani, USA

**Summary of Contributed Papers:**  

**17:10**  
A. M. Rojo, Argentina

**Statements:**

**17:15**  
R. Guleria, India  
Will tracking of individual patient exposures help?

**17:20**  
H. Järvinen, Finland  
Tracking of doses of groups of patients

**17:25**  
A. Aavik, Estonia  
Should tracking of individual dose be introduced in policy making?

**17:30**  
Discussion

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16:30–17:00  *Coffee Break*
**Friday, 15 December 2017**

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<th>Time</th>
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<tr>
<td>09:00-10:30</td>
<td><strong>SESSION 8:</strong> Radiation protection in mammography, dental and maxillofacial imaging and other diagnostic modalities</td>
<td>B. Mansouri, Algeria; K. Horner, UK</td>
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<tr>
<td>09:00</td>
<td>Introduction of the Topic:</td>
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<td>09:10</td>
<td><strong>Topical Presentations:</strong></td>
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<td>09:10</td>
<td>H. Bosmans, Belgium</td>
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<td></td>
<td>Have we improved benefit/risk in breast imaging?</td>
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<td>09:35</td>
<td>R. Pauwels, Belgium</td>
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<td>How has dental cone beam CT impacted dental imaging practice and patient doses?</td>
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<td>10:00</td>
<td><strong>Summary of Contributed Papers:</strong></td>
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<td>10:00</td>
<td>O. Ciraj, Serbia</td>
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<td>10:15</td>
<td>Discussion</td>
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<td>10:30-11:00</td>
<td><strong>Coffee Break</strong></td>
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<td>11:00-13:40</td>
<td><strong>Mobilizing for Future Effective Work and Conclusions</strong></td>
<td>IAEA; P. Jimenez, PAHO</td>
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**Chair:**

**Mobilizing regulatory support of radiation protection and safety in medicine**

**Statements:**

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<td>A. M. Larcher, Argentina</td>
<td>Perspective from FORO</td>
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<td>11:05</td>
<td>L. Bruedigan, CRCPD</td>
<td>Perspective from CRCPD</td>
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<td>11:10</td>
<td>S. Magnusson, Iceland</td>
<td>Perspective from HERCA</td>
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<td>11:15</td>
<td>B. Le Guen, IRPA</td>
<td>Perspective from IRPA</td>
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<td>11:20</td>
<td>O. Luxenburg, Israel</td>
<td>Perspective from three Member States/1</td>
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<td>11:25</td>
<td>Z. Musa, Malaysia</td>
<td>Perspective from three Member States/2</td>
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<td>11:30</td>
<td>R. de la Mora, Cuba</td>
<td>Perspective from three Member States/3</td>
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<td>11:35</td>
<td>Discussion</td>
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<tr>
<td>12:05</td>
<td>E. Vano, Spain</td>
<td>Findings from the CIPRaM Iberoamerican Conference on radiation protection in medicine on the implementation of the Bonn Call for Action</td>
</tr>
<tr>
<td>12:25</td>
<td>C. Cousins, ICRP</td>
<td>Policy directions in radiation protection in medicine</td>
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<tr>
<td>12:45</td>
<td>M. Rehani, USA</td>
<td>A summary of conclusions from sessions and roundtables of the Conference</td>
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<td>13:10</td>
<td>G. Ibbott, USA</td>
<td>Overall remarks on the conference</td>
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<tr>
<td>13:25</td>
<td>Closing of the Conference</td>
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