



2nd Virtual Roundtable on Strengthening the Coordination of International Programmes and Organisations involved in the Adoption of Alternative Technologies to Radioactive Sources in Support of Radiological Security

Follow-on Discussion on Medical Applications

27 April 2021, 15:00 – 17:00 CET

Initial agenda

<p>15:00 – 15:15</p>	<p>INTRODUCTION SESSION</p> <ul style="list-style-type: none"> – Welcome remarks and objectives of the roundtable (WINS) – Agenda and process (Event facilitator)
<p>15:15 – 16:00</p>	<p>THE USE OF ISOTOPIC AND NON-ISOTOPIC RADIATION GENERATING EQUIPMENT IN THE MEDICAL SECTOR: TRENDS AND FORECAST</p> <p>Expected Outcome: A better understanding of the extent of current supply and deployment of High Activity Sealed Sources (HASS) in the medical sector and expected trends for the future.</p> <p>Presentation on the use of HASS and alternative technologies in the medical sector</p> <p>Group Discussion on Supply of HASS – Facts and Figures</p> <ul style="list-style-type: none"> – Will HASS still be part of international programmes in 5-10 years' time? Is the trend in medical applications different than in other applications? – Who is still funding the purchase of radioactive sources? Are funders aware of possible options in terms of technologies? Is radiological security part of their concerns? – What is more of a concern in terms of radiological security, disused sources as a result of change to alternative technologies, or the supply of new HASS internationally?
<p>16:00 – 16:45</p>	<p>CHALLENGES OF SWITCHING TO NON-ISOTOPIC TECHNOLOGIES IN THE MEDICAL SECTOR</p> <p>Expected Outcome: A deeper understanding of the key challenges faced by LMICs for switching from Co-60 to Linacs in cancer treatment hospitals (cancer therapy centres) or moving from CsCl to X-ray blood irradiators, and the extent to which the challenges can be addressed through bilateral or multilateral support programmes.</p> <p>Presentation on the development of novel Linacs</p> <p>Discussion:</p> <ul style="list-style-type: none"> – Are suitable alternative technologies available for all medical applications involving HASS? – Decision making process and criteria for selecting the technology – Technical and regulatory prerequisites for an effective change – How are the challenges addressed through bilateral or multilateral support programmes at the moment?

<p>16:45 – 17:45</p>	<p>ROLE OF INTERNATIONAL PROGRAMMES AND THE NEED FOR COORDINATION</p> <p>Expected Outcome: A better understanding of international stakeholders (i.e. organisations and programmes) involved in the development, procurement, commissioning and disposal of radiation-generating equipment (isotopic and non-isotopic). A more detailed understanding of the roles and objectives of these international stakeholders, and the level of coordination among them, including any known mechanisms such as existing regular meetings or topical international working groups. Identification of specific opportunities for further improvements.</p> <p>Presentation on WINS efforts in mapping out international stakeholders</p> <p>Discussion:</p> <ul style="list-style-type: none"> – What are the existing coordination mechanisms? How effective are they? – How is bilateral and multilateral support coordinated? – What are the specific flaws of current coordination efforts that if addressed can enhance existing efforts? – What are the ways to address the identified flaws in order to create a fully coordinated effort in adopting alternative technologies? – Are potential improvements in coordination already well known and documented?
<p>17:45 – 18:00</p>	<p>CLOSING SESSION</p> <ul style="list-style-type: none"> – Summary of the key findings (Event facilitator) <ul style="list-style-type: none"> ○ What have we learnt? ○ What are the opportunities arising from the discussions? ○ How can we take them forward? Who should take the lead? – Closing remarks (WINS)