Safety, Protection, Bio-Dosimetry and Emergency Preparedness

12 - 16 February 2023
Post Graduate Centre, KFSHRC, Riyadh

Scientific Track Directors: Dr. Ghazi Alsbeih, Dr. Mehenna Arib and Mr. Omar Noor

FOR REGISTRATION
FOR INFORMATION
### Program Schedule

**Day 1: Sunday, 12 February 2023**
- **SESSION 1**
  - **Moderator:** Dr. Mehenna Arib
  - **09:00 AM - 09:40 AM**
    - Welcome Note & Introduction to Health Effects of Ionizing Radiation - Dr. Al-Arib & Dr. Al-Arib
  - **09:40 AM - 10:20 AM**
    - Radiation Emergencies: Scope of the Problem - Dr. Shubayr
  - **10:20 AM - 10:35 AM**
    - Morning Break
  - **SESSION 2**
    - **Moderator:** Dr. Ghazi Alshebi
    - **10:35 AM - 11:30 AM**
      - Major Nuclear & Radiological Accidents & Lessons Learned - Dr. Almazrou
    - **11:15 AM - 12:00 PM**
      - Hospital Preparedness and Management of Persons Accidentally Exposed - Dr. Alsheibi
    - **12:00 PM - 01:30 PM**
      - Lunch Break
  - **SESSION 3**
    - **Moderator:** Dr. Nasser Shubayr
    - **03:00 PM - 03:30 PM**
      - Terrorism Perspective and Malicious Act Scenarios - Dr. Shubayr
    - **03:30 PM - 04:00 PM**
      - Radiation Emergencies: Scope of the Problem - Dr. Alsheibi & Dr. Arib
    - **04:00 PM - 04:30 PM**
      - Radiation Safety and Monitoring During Radiological Emergency - Mr. Alghamdi
    - **04:30 PM - 05:00 PM**
      - Shielding of Nuclear Medicine and Radiopharmaceutical Therapy Facilities - Dr. Amraoo

**Day 2: Monday, 13 February 2023**
- **SESSION 1**
  - **Moderator:** Dr. Mehenna Arib
  - **09:40 AM - 10:40 AM**
    - Radiation Protection Principles & Program - Dr. Almazrou
  - **10:40 AM - 11:20 AM**
    - The Role of SFDA in Regulating Radiation Emitting Devices National Diagnostics Reference Levels (NDRLs) - Eng. Alsheibi & Ms. Alsheibi
  - **11:20 AM - 12:00 PM**
    - Lunch Break
  - **SESSION 2**
    - **Moderator:** TBA
    - **10:35 AM - 11:30 AM**
      - Nuclear Medicine Physics - Mr. Almazrou
    - **11:15 AM - 12:00 PM**
      - Radiation Protection in Nuclear Medicine - Mr. Alsheibi
    - **12:00 PM - 01:30 PM**
      - Lunch Break
  - **SESSION 3**
    - **Moderator:** Dr. Omar Noor
    - **03:00 PM - 03:30 PM**
      - Discussion and Q&A Session
    - **04:00 PM - 04:45 PM**
      - Radiation Emergency Response Preparedness Network - Dr. Shubayr
    - **04:45 PM - 05:30 PM**
      - Shielding of SPECT/CT, PET/CT, MRI Facilities - Dr. Amraoo

**Day 3: Tuesday, 14 February 2023**
- **SESSION 1**
  - **Moderator:** Dr. Belal Moftaah
  - **09:40 AM - 10:40 AM**
    - Radiation Protection in Diagnostic Radiology - Mr. Noor
  - **10:40 AM - 11:20 AM**
    - The Role of SFDA in Regulating Radiation Emitting Devices National Diagnostics Reference Levels (NDRLs) - Eng. Alsheibi & Ms. Alsheibi
  - **11:20 AM - 12:00 PM**
    - Lunch Break
  - **SESSION 2**
    - **Moderator:** Dr. Ahmed Al-Afrah
    - **10:35 AM - 11:30 AM**
      - Radiation Detection & Measurement - Ms. Al-Ahmad & Ms. Al-Fahad
    - **11:15 AM - 12:00 PM**
      - Radiation Detection & Measurement - Ms. Al-Fahad & Mr. Noor
    - **12:00 PM - 01:30 PM**
      - Lunch Break
  - **SESSION 3**
    - **Moderator:** Dr. Omar Noor
    - **03:00 PM - 03:30 PM**
      - Radiation Protection - Mr. Al-Arin
    - **04:00 PM - 04:45 PM**
      - Radiation Protection - Mr. Al-Arin
    - **04:45 PM - 05:30 PM**
      - Radiation Protection - Mr. Al-Arin

**Day 4: Wednesday, 15 February 2023**
- **SESSION 1**
  - **Moderator:** Dr. Ghazi Alshebi
  - **09:40 AM - 10:40 AM**
    - Introduction to Laboratory Safety - Dr. Alsheibi
  - **10:40 AM - 11:20 AM**
    - Laboratory Safety Standard - Dr. Aldehaim
  - **11:20 AM - 12:00 AM**
    - Lunch Break
  - **SESSION 2**
    - **Moderator:** Dr. Farhatallah Syed
    - **01:30 PM - 02:30 PM**
      - Chemical Safety - Mr. Alsheibi & Mr. Al-Arin
    - **02:30 PM - 03:30 PM**
      - Chemical Safety - Mr. Alsheibi & Mr. Al-Arin
    - **03:30 PM - 04:30 PM**
      - Chemical Safety - Mr. Alsheibi & Mr. Al-Arin
    - **04:30 PM - 05:00 PM**
      - Chemical Safety - Mr. Alsheibi & Mr. Al-Arin

**Day 5: Thursday, 16 February 2023**
- **SESSION 1**
  - **Moderator:** Dr. Ghazi Alshebi
  - **09:40 AM - 10:40 AM**
    - Radiation Protection - Dr. Alsheibi
  - **10:40 AM - 11:20 AM**
    - Radiation Protection - Dr. Alsheibi
  - **11:20 AM - 12:00 AM**
    - Lunch Break
  - **SESSION 2**
    - **Moderator:** Dr. Nasser Shubayr
    - **01:30 PM - 02:30 PM**
      - Biological and Recombinant DNA Safety - Dr. Syed
    - **02:30 PM - 03:30 PM**
      - Biological and Recombinant DNA Safety - Dr. Syed
    - **03:30 PM - 04:30 PM**
      - Biological and Recombinant DNA Safety - Dr. Syed
  - **SESSION 3**
    - **Moderator:** Dr. Falah Almohanna
    - **03:00 PM - 03:30 PM**
      - Questions & Answers - Dr. Alsheibi & Mr. Noor
    - **03:30 PM - 04:30 PM**
      - Questions & Answers - Dr. Alsheibi & Mr. Noor
  - **04:30 PM - 05:00 PM**
    - Questions & Answers - Dr. Alsheibi & Mr. Noor

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### Speakers

**Foud Aldayel, MD**
- Chairman, Pathology & Laboratory Medicine
- KFSH&RC, Riyadh, KSA

**Mohammed Aldehaim, MSc**
- Consultant, Radiation Oncology Dept., Oncology Centre, KFSH&RC, Riyadh, KSA

**Ibrahim Al-Gain, MSc**
- Health Physicist
- Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Hassan Al-Ghamdi, MSc**
- Health Physics Consultant, Johns Hopkins Aramco Healthcare, Dhahran, KSA

**Khaled Al-Hadyan, PhD**
- Post-doctoral fellow
- Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Refaat Al-Mazrou, MSc**
- Deputy Chairman, Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Turki Almulhim, MSc**
- Safety Officer, Security, KFSH&RC, Riyadh, KSA

**Sati Alotaibi (Colonel), MSc**
- Director, Radiological Hazards Civil Defense (SFDA), Riyadh, KSA

**Eng. Fahd Alotaim**
- Nuclear Emergency Operations Center Manager, Nuclear & Radiological Regulatory Commission, Riyadh, KSA

**Eng. Abdalmajeed Alraji**
- Nuclear Emergency Operations Center Manager, Nuclear & Radiological Regulatory Commission, Riyadh, KSA

**Ghazi Alshebi, PhD**
- Principal Scientist
- Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Alanood Alshamsi, MSc**
- Senior Control & Alerts Specialist, Saudi Food & Drug Authority (SFDA), Riyadh, KSA

**Maxwell Amuaro, PhD**
- Director, Office of Radiation Safety, Washington University in St. Louis, Missouri, USA

**Ahmed Arafah, MSc**
- Senior Radiology Specialist, Radiology Dept., KFSH&RC, Riyadh, KSA

**Ayman Barnawi, CEM**
- Senior Crisis & Disaster Coordinator, Crisis & Disaster Management KFSH&RC, Riyadh, KSA

**Fareed Mayhoub, MSc**
- Health Physicist
- Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Belal Moftaah, PhD**
- Chairman, Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Omar Noor, MSc**
- Medical Physicist
- Biomedical Physics Dept., KFSH&RC, Riyadh, KSA

**Nasser Shubayr, PhD**
- Assistant Professor & Head, Radiological Sciences, College of Applied Medical Sciences, Jazan University, Jazan, KSA

**Farhatallah Syed, PhD**
- Senior Scientist, Stem Cell & Tissue Re-Engineering Program, KFSH&RC, Riyadh, KSA