WS Code: RPW5
Title: I-131 Thyroid Therapy, Internal Dose Assessments and Contamination Management
Scientific Track: Radiation Protection
Chair: Mehenna Arib, PhD
Date & Time: Thursday 17 February 2022, 15:45 – 18:00
Venue: Virtual

Part1: I-131 Therapy Applications and radioactive contamination

Coordinator: Mr. Fareed Mahyoub, M.S.c, Pager: 49423

Workshop Faculty: Celestino Lagarde

Time : 15:45 – 16:30

Target Audience: Radiation safety officers, Health and medical physicists, Nuclear medicine and medical imaging professionals, Radiologic technologists and radiologists and Environmental health and safety and industrial hygiene professionals

Workshop Description: Radioactive Waste Management, receiving and shipping of packages containing radioactive material I-131, therapy dose administration, measurement, Patience dismissal, room decontamination, waste disposal/ storage and Contamination clean up

Learning Objectives:

- Understand fully the national and international standards and regulations on the transportation of radioactive material
- Becoming familiar with methods and techniques related to storage and disposal of radioactive waste
- Develop a practical understanding of the role of radiation safety staff in I-131 therapy

Part2: Internal Dose Assessment

Coordinator: Mr. Shadei Alanazi, MSc, Pager:48050

Workshop Faculty: ……

Time : 16:30 – 17:15

Target Audience: Radiation safety officers, Health and medical physicists, Nuclear medicine and medical imaging professionals, Radiologic technologists and radiologists and Environmental health and safety and industrial hygiene professionals

Workshop Description:

The workshop is intended to show the attendees the procedures applied at the KFSHRC to assess uptake of radioactive iodine in the thyroid. The virtual presentation will briefly cover the following procedures:

- Instrument Selection
- Measurement Procedure
- Monitoring Period
- Validation of Screening Result

Learning Objectives:

This workshop will allow the attendees to understand the principles of internal dose assessment using scintillation detector.

Part2: Contamination Management

Coordinator: Omar Noor, MSc, Pager:

Workshop Faculty: Alhanouf Aldosri

Time: 17:15 – 18:00

Target Audience: Radiation safety officers, Health and medical physicists, Nuclear medicine and medical imaging professionals, Radiologic technologists and radiologists and Environmental health and safety and industrial hygiene professionals

Workshop Description: procedure for decontaminating contaminated surfaces.

Learning Objectives:

- Understand how to use contamination monitors
- Understand the dose quantities to measure
- Procedure for the measurement of the contamination