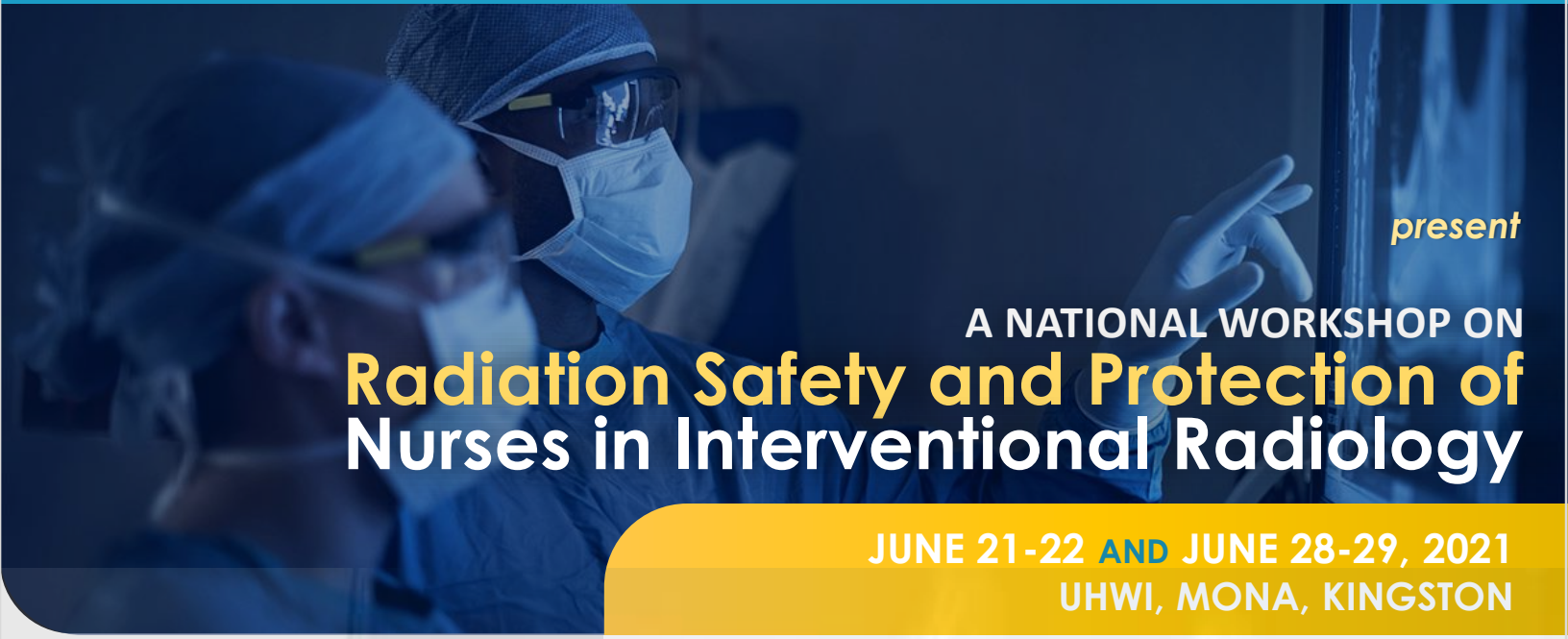




Faculty of Science and Technology,
The University of the West Indies (Mona),
Ministry of Health and Wellness, and
The University Hospital of the West Indies
in collaboration with
The International Atomic Energy Agency



present

A NATIONAL WORKSHOP ON Radiation Safety and Protection of Nurses in Interventional Radiology

JUNE 21-22 AND JUNE 28-29, 2021
UHWI, MONA, KINGSTON

WORKSHOP OBJECTIVES

- ≡ Learn the fundamentals of radiation safety for nurses who might experience occupational exposure to radiation.
- ≡ Gain an understanding of the health hazards associated with the use of radiation in Interventional Radiology.
- ≡ Gain the knowledge necessary to minimize occupational exposure to radiation.

WORKSHOP DETAILS

DELIVERY

Lectures and demonstration sessions delivered online via **ZOOM**.

- MODULE 1** **Basic Nuclear Physics and Radiation Protection Concepts**
JUNE 21-22 • 9:00 AM – 1:00 PM
- MODULE 2** **Radiation Protection in Interventional Radiology**
JUNE 28-29 • 9:00 AM – 1:00 PM

TOPICS

- ✓ Radiation Sources and their use
- ✓ Radioactivity and Radioisotopes
- ✓ Interaction of radiation with Matter
- ✓ Radiation detection and measurement
- ✓ Principles of Radiation Protection and Dosimetry
- ✓ Biological effects of Ionizing Radiation
- ✓ Personal dosimetry and monitoring of radiation exposure
- ✓ Ethical and Legal Aspects of Medical Exposure
- ✓ National Regulatory Infrastructures for the Control of Radiation Sources
- ✓ Practical case studies in C-arm and angiography
- ✓ 10 actions to occupational exposure control in fluoroscopy
- ✓ 10 steps to dose optimization of fluoroscopy staff

CREDITS

Each module will include take-home quizzes. Upon successful submission of answers, **participants will be awarded CME credits.**