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Biography

Ms. Azleen is a Medical Physicist (Nuclear Medicine) in University Malaya Medical Centre (UMMC), Kuala Lumpur, Malaysia. She has served Nuclear Medicine as a medical physicist for more than 23 years. From 1994, her working areas has involved both irradiating apparatus and radioactive substances. As Radiation Protection Officer, she's responsible for updating the license for ionizing radiation activities in UMMC and UMSC. As Head of Medical Physics Unit, she's very much involved with all administration works as well as clinical works especially in therapeutic field since 1996. She has been involved in teaching Nuclear Medicine subject and practices. She's involved in UMMC Occupational Safety And Health Committee as an employer representative member of committee. She's a life member in Malaysian Association of Medical Physics (MAMP) and of Malaysian Of Radiation Protection Association (MARPA). Late December 2004, she has been awarded "Ahli Ahmad Shah Pahang (AAP)" medal by Sultan of Pahang for her loyal services in Health & Patient Care. She had been a committee member for National RPO Certification under AELB jurisdiction until December 2016. She is now involved totally with Safety and Security of Radioactive Substances Project under IAEA-Australia-USDOE and Malaysian Government collaboration since year 2009. She is actively involved in some regulatory projects and also Distance Learning project conducted by Ministry of Health in Malaysia, UMMC's infrastructures especially for shielding verification prior to pre-installation of Imaging apparatus to detect radioactive tracers and irradiating apparatus for diagnostic and treatment, implementing the radiation safety program in UMMC, an auditor in auditing session where radiation safety programs are concern. She's responsible in leading a project which focusing on dosimetry measurement to UMMC's patients and staffs. She had been recognized as Radiation Protection Advisor (RPA) for Industry 3 (I3): Gauging, Sales And NORM (5 years :2015-2020) under jurisdiction of Atomic Energy Licensing Board (AELB). Latest project under her supervision and services which collaborates with other clinical disciplines is Breast Cancer Treatment Using Intra-Operative RadioTherapy (IORT) where the first case in Malaysia had already initiated early March 2016 (Breast), December 2017 (Neuro) and February 2018 (Colorectal) in UMMC.

Title: Sharing experiences of securing patient and public safety related to radioactive usages in medical sector.

Abstract

Today, the introduction of new ionizing radiation related diagnostic and therapeutic practices, usage of radioactive materials in medicine is growing rapidly. Due to the situation, radiation protection education is important in developing safety culture among the radiation workers and also public. Also, it is vital to make sure the workers especially are well educated, trained and knowledgeable. Beside the well recognized working procedures, availability & utilization of relevant protective equipment, and an effective monitoring program are indispensable factors in making sure that radiation workers are satisfactorily protected and these factors somehow will be able to promote a better impact to public awareness on the use of radiation in medical centres. Resilience and the ability to mitigate the consequences of an incident involving radiation exposure or contamination are enhanced by (1) effective planning, preparation and training; (2) ongoing interaction, formal exercises, and evaluation among the sectors involved; (3) effective and timely response and communication; and (4) continuous improvements based on new science, technology, experience and ideas. It is a "bottom-up" systematic approach built on the available and emerging science that considers the need for decision making in the face of a rapidly evolving situation with limited information early on, timely communication and the need for tools and just-in-time information for responders who will likely be unfamiliar with radiation medicine and the presence of radioactivity.