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# BASIC INTERVENTIONAL RADIOLOGY COMPETENCY & EXPOSURE (ICE) COURSE 2024

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Interventional radiology (IR) is a dynamic and transformative field of medicine that utilizes imaging technologies such as x-rays, fluoroscopy, ultrasound (US), computed tomography (CT) scan and magnetic resonance imaging (MRI) to guide therapeutic procedures.

Ranging from vascular interventions like angioplasty and stenting to oncological treatments such as tumour ablation and embolization, interventional radiology techniques are indispensable and powerful tools in both the diagnostic and therapeutic realms.

This year, Hospital Al-Sultan Abdullah (HASA) Interventional Radiology Team successfully organized our 3<sup>rd</sup> Basic Interventional Radiology Competency & Exposure (ICE) Course from 26–28<sup>th</sup> June 2024.

A total of 48 healthcare professionals participated which include Master of Radiology (MRad) trainees, medical officers, radiographers, medical assistants and radiology nurses from various teaching university hospitals, Ministry of Health (MoH) hospitals as well as from private hospitals throughout the country.

Our Basic ICE course is composed of lectures and hands on workshops, focusing on ultrasound and fluoroscopic guided IR procedures such as biopsies, drainages and vascular access. Day 1 kicked off with a welcome address by Head of the Department of Radiology, Associate Professor Dr. Hilwati Hashim, followed by a series of interactive lectures by our interventional radiologists, radiographers and radiology nurses.

On the second day, a special session was conducted for MRad trainees and medical officers, with an emphasis on MRad Part 1 Objective Structures Practical Examination (OSPE) Preparations. Medical officers, medical assistants and radiology nurses were also taught various practical skills which include how to assist during IR procedures, IR procedure trolley preparation and handling a chemotherapy drug spill kit. A separate session was also held for the radiographers, focusing on radiographic positioning and the handling of specialized fluoroscopy and angiography equipment.

The remaining Day 2 and 3 of the course were concentrated on multiple hands on workshop sessions, where participants were given the opportunity to handle the various IR tools currently available on the market and practice performing the procedures using simulation phantoms.



**Figure 1:** Basic ICE Course 2024 Hands on Workshop Sessions.



**Figure 2:** Basic ICE Course 2024 Hands on Workshop Sessions – Ultrasound Guided Procedures.



**Figure 3:** Basic ICE Course 2024 Hands On Workshop Sessions – Fluoroscopy Guided Procedures.

A pre- and post-course quiz was also prepared to gauge the performance of the participants and the effectiveness of the sessions conducted. The top 3 winners of the quiz were given a token of appreciation.

The Basic ICE Course 2024 Quiz winners were:

- **1<sup>st</sup> place:** Dr. Teng Jian Li (Hospital Sultan Abdul Aziz Shah UPM)
- **2<sup>nd</sup> place:** Dr. Nusaibah Rustam (Hospital Sultan Abdul Aziz Shah UPM)
- **3<sup>rd</sup> place:** Dr. Dennis Kheng Zhou (KPJ Healthcare University)



**Figure 4:** Basic ICE Course 2024 Quiz 1st Place Winner – Dr Dr Teng Jian Li, Master of Radiology (MRad) Trainee from Hospital Sultan Abdul Aziz Shah UPM.

A special thanks goes to Professor Dr. Mohd Zamrin Dimon, Director of Hospital Al-Sultan Abdullah, UiTM and Associate Professor Dr. Hilwati Hashim, Head of the Department of Radiology for supporting our programme. The Basic ICE Course 2024 Organizing Committee would also like to thank our industry partners, Boston Scientific (Malaysia) Sdn Bhd, H&A Medical Supply Sdn Bhd, Becton Dickinson (BD) Malaysia, Infinity Medical Sdn. Bhd., Mindray Malaysia and Mediwide Sdn. Bhd. for their generous support and contributions in order to ensure that our Basic ICE Course 2024 was a success.

We look forward to our next Basic ICE Course in 2025!