



Advanced Airway Management Course

The Department of Anaesthesiology in collaboration with DCPE, CIME and Difficult Airway Society organised its first full-day 'Advanced Airway Management Course' on 11th November 2017. Dr Faisal Shamim and Dr Khalid Samad both Directed & Coordinated this event.

Competence in airway management includes not only technical proficiency in using a wide-range of complex equipment, but crucially the judgment and experience to use them appropriately. One way of educating clinicians about airway management is to provide courses and workshops with didactic teaching based on the most recent advances, and opportunities to practice essential skills to achieve mastery through simulation.

The objectives of this course were to recognize the signs of potentially difficult intubation and airway management; to develop a plan for dealing with a known difficult airway

through updated algorithms; to understand the criteria for deciding when and how to use various tools and adjuncts for managing the difficult airway; and finally to be able to choose the most appropriate method of airway management based on a variety of patient presentations. The course comprised of lectures, case based discussions and six skill-based stations conducted on low and high fidelity simulation equipment and models.

There were 31 participants (trainees) from Anaesthesiology, Emergency Medicine & Critical Care from AKU, Civil Hospital, JPMC, Ziauddin, Lahore and UAE. The course teaching faculty comprised members from Department of Anaesthesiology, AKU and on-line participation from Stanford, USA.

Simulation Workshop on Care Of Patients With Urological Disorders

The Society of Urology Nurses and Associates celebrated 'Urology Week' on November 1-7 this year. During this week, nurses, doctors, residents, employers, patients and their families paid tribute to urologic health care professionals. Urology nurses in particular aimed to raise awareness of their specialty at this time. To make this week more valuable and memorable, this year AKUH organised a Simulation Workshop for nurses entitled "Care of patients with urological disorders" on Nov 7-8th 2017.

The workshop was designed and conducted by nurses and urology faculty to disseminate Evidence Based Practice (EBP) to participants. The objective of this course was to enhance the knowledge and skills of nursing staff working in Urology and Nephrology.

Healthcare education is enhanced by synergy between Simulation-Based Education (SBE) and clinical learning. The workshop was blended with case based scenarios and discussion. Participants were fascinated by simulation scenarios, in which participants performed an assessment of patients having urological disorders, using SimMan 3G. Simulation debriefing compared actual performance to desired performance, revealing to participants their strengths, but also areas for improvement.

As per participants' feedback: "Simulation-based training has opened up new educational opportunities: it was a new experience for the participants".



Simulation Workshop on Care Of Patients With Urological Disorders



The Centre for Innovation in Medical Education in collaboration with Bayer Pharma organised a "Hypertension Workshop". The objectives of this workshop were to improve knowledge, competence, and the performance of primary care providers in the treatment of hypertension and managing patients according to evidence based guidelines. Using simulation within this workshop was very well received by organisers and participants.

Clinical Simulation Workshop for Yusra University Islamabad

It's a small world!

The invitation to provide a workshop in Yusra University, Islamabad, came from an unusual source. Professor Barbara Parfitt, CBE, is currently doing voluntary work in Pakistan under the umbrella of a UK based charity, PRIME. Professor Parfitt had worked for AKDN in Tajikistan in the 1980's, and this is where it gets interesting, shortly after that she became the Dean of the School of Nursing in Glasgow where the now Director of CIME, Professor Docherty, was cutting his teeth on projects related to clinical simulation. So naturally when Professor Parfitt knew Professor Docherty was in AKU she immediately made contact and sought his help in her latest venture: preparing new nursing faculty to deliver an innovative, problem based skills focused nursing programme in Yusra University.



Yusra University President, Professor Parfitt acknowledged Mr Burhan's tremendous contribution to the event.



So on Monday 6 November a small team of Professor Docherty, Dr Jacqueline Dias, and Mr Burhanuddin Ali Akbar worked from 9am to 5pm delivering a full range of interactive teaching sessions ranging from using technology in the classroom to organising systems of clinical assessment for student placement. Dr Dias shone as she demonstrated how to run simulations 'live' with volunteers from the participants.

This workshop was very well received. One mark of the high regard with which we were held by Yusra University, was that following the welcoming speeches by their President and his Executive, this group of very senior academics stayed and participated for the full day, and thanked us profusely over dinner before we departed to the airport.

Having successfully completed this request with efficiency and effectiveness, the team at CIME would consider further requests from institutions throughout Pakistan as we aim to raise the bar in healthcare education and achieve one of our strategic goals: to become a resource for the whole nation.

Simulation Workshop on Neonatal Resuscitation

To improve outcomes and prevent neonatal mortality in NICU, neonatal nurses need to be highly competent in managing neonatal emergency situations. These are relatively infrequent, therefore it's important that new nurses practice to acquire the necessary skills, and for experienced nurses to review and refresh existing skills. In addition to technical skills and knowledge, NICU nurses should be skilled and proficient in communication, teamwork, and decision making.

To enhance competence in neonatal resuscitation, a simulation based training session was arranged for NICU nurses. This was proposed as part of a practicum project by student nurse Mr Samuel Sarooj . With the neonatal nursing team he designed a high fidelity scenario to be run on the SimBaby in a workshop format led by SONAM faculty Ms Zohra Kurji (Assistant Professor), and Ms Amina Aijaz (Assistant Professor) in collaboration with service line 4 under the leadership of Mr Simon Demas (HN) and the NICU team.

Twelve neonatal nurses participated in neonatal resuscitation simulated scenarios followed by a debriefing session. This session was very well evaluated and has catalyzed ideas and thoughts as to how best the tools of simulation education can be harnessed in different ways within NICU.



Karachi Medical and Dental College Students on tour of our facility.

