

CIME

CENTRE FOR INNOVATION IN MEDICAL EDUCATION



آغا خان یونیورسٹی

THE AGA KHAN UNIVERSITY

Newsletter | March 2018



SONAM Skills Lab Becomes Part Of CIME

Following intense negotiations, on 1st February SONAM skills lab transferred to CIME, lock stock and barrel. Currently serving numerous purposes, many overlapping with CIME, the skills lab will in future have a unique function as a simulated environment for Home Care. This will facilitate the development of specialised curricula to reflect the growing numbers of elderly and disabled people in society, not to mention that most babies in Pakistan are born at home and not in hospital. Work should begin on refurbishment, including IT and AV upgrades, within the next few months. 10 hospital bedspaces will be retained in SONAM skills lab to supplement the 32 currently in CIME.

At the moment of transfer, respective groups gathered at the gate that until now had always been locked, representing the SONAM-CIME border. Staff and faculty of both SONAM and CIME faced off in the moments leading to a light-hearted ceremonial marching display by representatives from both sides (Mr Burhan Ali and Syed Hamd Ali) prior to unlocking the border gate, and shaking hands to rapturous applause. Dean Arthur and Professor Charles and their respective teams posed for a group photo before sharing the obligatory cake. One more step in the development of simulation as a learning tool within curricula of AKU.

Critical Care Nursing (CCN) Simulation Workshop for BScN Students



In this workshop students got the chance to review previously learned concepts, to learn new ones related to critical care and to integrate these into practical situations. CCN is taught in the fourth year of Nursing. As one of the objectives of the course is the application of concepts in critical situations, what better than simulation to be used as a teaching-learning strategy.

During the planning phase, we decided to expose our students not only to task learning but to team training as well, to strengthen conceptual understanding. For this purpose, two full days of simulation-based workshops for BScN were designed to include five core concepts such as assessments of heart and lung sound, monitoring of central venous pressure and arterial line, communication, code blue management and endotracheal suctioning of a ventilated patient.

The students were expected dressed in scrub suits, and divided into groups of 8, with each group given approximately 45-60 minutes at each station where they were briefed prior to simulated activity facilitated by the SONAM faculty and CIME team. Debriefing focussed on

the learning outcomes.

It was the first time in SONAM history to use simulation as a means of teaching and learning critical care concepts students. It was worth the extra organizational effort and students' feedback was extremely positive. We must not forget the challenges of such simulation workshops: the increased anxiety of facilitators in the beginning, mobilizing of human and material resources, requirements for additional facilitators, and the requirement to manage timetabling to enable large numbers of students to be available in small enough numbers to be practicable.

So what have we learned from this simulation workshop? Simply, it provides better learning outcomes, is rooted in reality and intrinsically motivational for students, and should be implemented within nursing curricula more frequently.

Written by:
Mehtab Jaffer and Ambreen Gowani, SONAM Faculty

5th CEEA CME Course

The 5th CEEA CME Course was organised at CIME, by the Department of Anaesthesiology in collaboration with the Department of Continuing Professional Education and Committee for European Education in Anaesthesiology (CEEA) / European Society of Anaesthesiology (ESA). The topic of this course was "Mother and Child: Adverse Reactions".

More than 66 participants attended this course, including faculty and trainees from around the country: Karachi, Nawab Shah, Lahore and Rawalpindi. The scientific programme included interactive lectures, video-based learning, panel discussion and hands-on workshop. Overall, the course was appreciated well by the participants.



3rd Annual Surgical Meeting Theme: Surgical Oncology – Evidence & Practice

This was a two day conference with the aim of spreading awareness about latest surgical techniques in the management of cancer. Both days of the scientific programme were dedicated to multidisciplinary sessions involving medical personnel, clinical oncologists, radiation oncologists, basic scientists, oncology nurses and oncological surgeons.

There were a total of 26 pre-conference workshops & symposiums. These were mostly hands-on skills training workshops focusing on the post-graduate residents and giving them a chance for close faculty interaction. Eminent international (24) and national (62) faculty were invited as guest speakers.

This year, the European Society of Surgical Oncology (ESSO) & American Society of Clinical Oncology (ASCO) were the main collaborating proud partners of this conference. The scientific programme comprised of two plenary sessions and one combined AKU, ESSO & ASCO session.

A total of about 720 surgeons, residents, medical students & nurses registered for the conference and it's various workshops. All participants and the international faculty spoke very high of our organizational ability and scientific content. They were all praises for our university.



Neurovascular Course @ CIME

The management of cerebrovascular neurosurgical diseases in Pakistan still haunts most neurosurgeons. This is primarily related to limited surgical exposure due to unavailability of high volume centres and because of the high complexity and morbidity, surgical management of neurovascular diseases is considered a difficult task.

In the West, this problem was primarily solved by animal / cadaveric skills lab and hands-on courses. With this background in mind, an initiative was taken by the Section of Neurosurgery, AKUH for the young neurosurgeons under training in Pakistan.

This hand-on neurovascular course was devised similar to the famous international courses conducted by master trainers like Professor Yasirgil and Rosemary Frick. Here it must be mentioned that the first such course organised by AKUH was almost a decade ago, conducted by Rosemarie Frick and Nadia Khan. This year too, Professor Nadia Khan, European Cerebrovascular Neurosurgeon and a trainer herself, conducted this course as one of the pre-congress workshops for the Annual Surgery Conference. The two-days course was co-ordinated by Dr. Saad Akhtar Khan with guidance from Dr. Ehsan Bari and Dr. Shahzad Shamim.

It became an immediate success among the attendees because all trainees were provided an opportunity to hone their microsurgical skills required for neurovascular surgery. Chicken wings were used as animal model and advanced operating microscopes were available for all participants.

The long term plan is to conduct this workshop every year and try making this an international course with its own educational grant.



Postgraduate Medical Education Conference



The PGME Annual Conference 2018 took place on February 22-25, 2018 based on the themes of “Innovations in Medical Education”.

The objective of these conferences is to provide a nationally and internationally drawn, broad-based audience, the opportunity to listen to and interact with national and international experts as well as to organise a forum to share experiences and recommend ways to improve standards of postgraduate medical education in the country. The Conference also provides postgraduate trainees, both national and international, the opportunity to present their research work.

More than 275 individuals participated in Pre and Post Conference Workshops out of which 6 workshops took place in CIME:

- 1- Immediate & Standard Management leads to improved Patient Outcome in sepsis
- 2- Ultrasound Guided Central Vein Cannulation
- 3- TAVR – trans catheter Aortic Valve Replacement workshop
- 4- Protocols/synopsis writing
- 5- Mechanical Ventilation from Basic to Advance
- 6- How to establish Site Specific Multi-Disciplinary Tumor boards

An Interview with the Crocodile

The Croc in our courtyard has been getting attention. Our Intrepid Correspondent from the North scooped his story.

Hi, tell us about yourself. How old are you, where are you from, and how come you're here?

"I'm 35 years old, smart, handsome and humble, an ordinary guy, typical Karachi-ite. I was presented to AKU by the Office of the Conservator Wildlife, Sindh, thanks for asking."

So why were you given to AKU?

"I was shot for scientific research. I see you're shocked, yeah tell me about it! There was talk in the swamp that academics with nets were looking for subjects. I thought: be positive, maybe a free scan or blood sample would be useful – could pick up something early and get it treated. But no, shot! Twice! Afterwards I was given to AKU. It's turned out ok – its a great institution. It's been my dream to be here. Its got such a great reputation and great ponds, full of fat birds ripe and juicy. My family are so proud thinking I've finally made it: but I literally don't have the heart to tell them the truth."

How have you found your time at CIME so far?

"Cool! I am having amazing times with CIME people. Before I came here I was in a dissection hall with cadavers and specimens. Dead boring and smelly. I'm now centre of attention in CIME. No-one does selfies in the swamps but everyone does them here and I get to be in all of them."

What do you think of CIME?

"Wow. At first I could have told you exactly what I thought, in the shell of a nut. But I've been here a while now and I aint got words to describe it. It's definitely a chilled place to hang out. I hear phrases like 'interprofessional', 'state of the art', 'simulation', 'world class', 'beautiful' and I'm right at home. But I got a big scare when this older lady with a crazy look talked about 'cutting edge' - I didn't like the sound of that. I already did my time in the dissection hall, lady! I lie low whenever I see her coming."

"Ahhh the pools, the plants and the flowers and the waterfall... and the appetising sound of children laughing and having fun; and the waterfall; its like old times with my brothers and sisters down on the river. I long for those days..."



Have you made any friends since you arrived here?
“Yeah the gardeners are great, giving me a shower daily. But there’s this bird that hangs around here. She hides but if you’re quiet you’ll see her. She’s funny up to a point but can be a real pain – gossiping and giggling, preening herself and staring at her own reflection. Similar to Karachi birds, but she says she’s from Essex, England if that means anything to you. I don’t know what she’s doing here – get her to go leave me in peace please.”



NEXT MONTH

Who’s the Essex bird? What’s her story.....

CIME Video: Exploring The Human Patient Simulator

The Human Patient Simulator (HPS) is considered to be the Gold Standard in high fidelity patient simulation for respiratory and critical care training. This video will help viewers understand the features of this simulator. It has been created by CIME with the help of Ms. Hameeda Babool, TKN Volunteer. Her experience at CIME working on this project was detailed in last month’s newsletter. [Click here to watch the video...](#)



Publication by faculty

Dias J.M., Zuberi R.W., Establishing a Simulation Centre in Karachi, Pakistan. COJ Nurse Healthcare. 1(4). COJNH.000519.2018.



For Information and Registration Contact

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Programme Fee

Rs. 10,000/-

CME credit hours will be provided on completion of the programme

Clinical Simulation Educator Programme

CIME and its Champions are offering a CME accredited Clinical Simulation Educator Programme. It consists of 10 units dispersed over three days and four half days. This programme equips participants with knowledge and skills in clinical simulation and how to use these in their teaching practice.

Programme Organiser: Professor Charles Docherty, Director CIME

Teaching Team: CIME Champions; Sessions will be lead by
Dr. Jacqueline Dias Dr. Azam Afzal
Dr. Emaduddin Siddiqui Dr. Amir Sharif
Dr. Faisal Ismail

Module	Description	Date and Time
1	Simulation modalities and their application	April 4, 2018 – 08:00 a.m. to 01:00 p.m.
2 & 3	Teaching through simulation	April 7, 2018 – 08:00 a.m. to 5:00 p.m.
4 & 5	Course design and scenario development	April 18, 2018 – 08:00 a.m. to 1:00 p.m. April 21, 2018 – 08:00 a.m. to 12:00 p.m.
6	Debriefing and providing feedback	April 21, 2018 – 01:00 p.m. to 5:00 p.m.
7 & 8	Simulation in action	April 28, 2018 – 08:00 a.m. to 5:00 p.m.
9	Cultural competence & the ethical dimensions of clinical simulation	May 2, 2018 – 08:00 a.m. to 1:00 p.m.
10	Measuring the outcomes of simulation	May 5, 2018 – 08:00 a.m. to 03:00 p.m.