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CIME Newsletter

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## CIME Newsletter : October 2017

CIME

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# CIME

CENTRE FOR INNOVATION IN MEDICAL EDUCATION



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THE AGA KHAN UNIVERSITY

Newsletter | October 2017



Ms Sabrina Dawood & Mr Mohammad Khan from Dawood Foundation visit CIME

## MagnifiScience 2017

An invitation was extended to CIME by Dawood School to participate in their Magnifi-Science Exhibition 2017. In the absence of a Science museum in Karachi, this annual event is becoming extremely popular with children of all ages. The Exhibition aims to augment and encourage the quest for Science in everyone, especially children/students by creating learning spaces that bring together people from all backgrounds. Last year the three-day event attracted 40,000 visitors. The Exhibition aims to inspire young adults to delve into the scientific world. It will provide a platform to the children and teachers to explore new learning, and influence curricula in their schools, colleges and universities. With the focus being on science, CIME will use anatomical

models to demonstrate the basic sciences of chemistry and physics central to human functioning, such as for eyesight, and hearing. We will also show how computer modelling embedded in the latest simulators can show medical and nursing students the effects of their interventions. Teaching with technology and developing meaningful learning experiences will be explained. The SPIE group will be working closely with the CIME team, once again showing their worth and commitment. If you're in the vicinity, please pass by and give support to a worthy cause. The Exhibition runs from October 6-8, 2017 at Dawood Public school (Class Room # I -CBD)

## #HcSimWeek!

The Inaugural 'Healthcare Simulation Week' didn't pass us by un-noticed, although it coincided with a very busy week for the Centre. An annual event, it was celebrated from September 11 to 15 globally, by professionals who use simulation to improve the safety, effectiveness, and efficiency of healthcare delivery. The purpose was to create awareness about healthcare simulation and how it leads us to safer, more knowledgeable patient care. CIME did participate in this event, but didn't capitalize on its full potential for publicity. Cake is nice and photo-opportunities are fun but next year we will link it to an academic program and plan much further ahead.



## Critical Care Focused Ultrasonography (CCFU)

Accurate assessment and speedy decision making are essential to improve performance and to save lives in critical care environments. The use of ultrasonography has emerged as a vital tool for intensivists, as it is non-invasive and can be used in many situations. The usefulness of ultrasound in ICU as an extension of physical examination of patients in ICU is widely acknowledged and endorsed by two large critical care societies (SCCM, ESICM) and is becoming viewed as best practice. One of the barriers to widespread implementation of this technology is the lack of proper training and infrastructure not only in Pakistan but in many other parts of the world. For the first time in Pakistan, the department of Anesthesiology in collaboration with Centre for Innovation and Medical Education (CIME) organized 2nd Critical Care Focused Ultrasound Course in September (9-10th), 2017. The course aimed at providing information to physicians working in critical care areas including emergency room about this important tool that actually can help them in making rapid fact-based decisions thus improving the quality of care.



## SPIE again in Action

On the 6th of October 2017, the Society for Promotion of Innovation in Education ( SPIE) organized an Objective Structured Clinical Examination (OSCE) review session for MBBS year 2 students. The staff at CIME and Teaching Assistant (TA's) from BBS Department were involved, and supportive. It had a great turn out and overall the event was a fantastic success owing to the efforts of everyone involved. It was met with positive reviews from the participants who were able to practice and sharpen their skills using the equipment provided aided by the guidance of the TA's.

The success of this event paves the way for future endeavors by SPIE organized in cooperation with CIME.



M. Ibrahim Habib  
AKU Class of 2020

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## 2nd Clinical Simulation Workshop by CIME (Held on September 22, 2017)



## Innovating the use of 'clickers' in the classroom

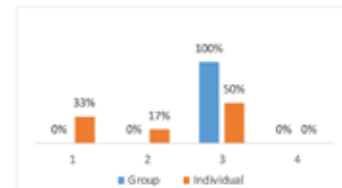
We've probably all used clickers in the classroom. And been at events where we've been asked to use our smartphones for this purpose. There are strengths and weaknesses in both approaches but I'm not going to talk about that here. What intrigues me is their ability to enliven and strengthen the 'flipped classroom' and 'team based learning' approaches to facilitating students' learning. I saw this work very well in Lee Kong Chan University in Singapore, and have since tried to copy it a little here although working with less sophisticated equipment (they have customized apps for everything!).

The Scenario: participants were given pre-reading before the simulation workshop.

The first activity in the workshop asked the participants to answer 10 questions based on their reading: one by one the questions appeared on-screen and the participants clicked their responses. No feedback or discussion was given at this time, no hint at what was the correct answer. Groups were then formed and asked to look at the questions again, and to agree the 'correct' answer for their group. After 10 minutes, the questions were presented again on-screen and participants clicked their agreed 'group' response. Feedback was then given: individual scores and team scores were shown side-by-side, on-screen. And guess what? Exactly as I witnessed in Lee Kong Chan University: team scores were much better, sometimes questions showing a complete turn-around from all wrong to all correct, compared with individual scores. A very simple exercise didn't just 'break the ice' and review relevant background material, it also emphasised a very important point and set the scene for the rest of the workshop: people can work better and accomplish more through teamwork.

'Competence' lies at the intersection of three domains. These domains are

1. Psychomotor, Cognitive, Attitudinal
2. Behavioural, Professional, Affective
3. Psychomotor, Cognitive, Affective
4. Behavioural, Professional, Attitudinal

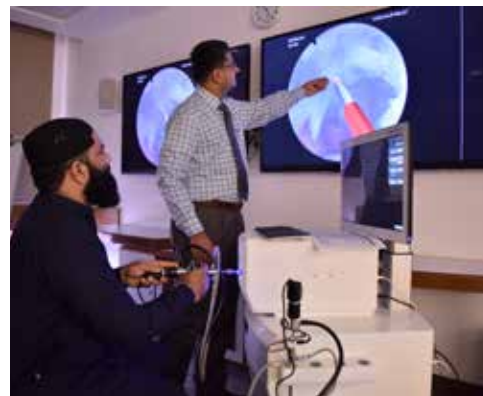


**The Urology faculty** of the Department of Surgery organized well-attended workshops as part of the 6th 'Karachi Urology Week', in CIME on Friday September 22, 2017.

Hands-on practice of procedures such as transurethral resection of prostate (TURP), transurethral resection of bladder tumor (TURBT) and Holmium laser enucleation of prostate (HoLep) were facilitated by the use of the 'Uro Sim' simulator. This training was provided by national and international experts in Endourology.

Renal transplant and urinary diversion were practiced using biological tissue. Participants had the opportunity to understand the basic principles of performing renal vascular anastomosis under realistic conditions.

These workshops tapped into the latest trends & techniques in field of Urology.



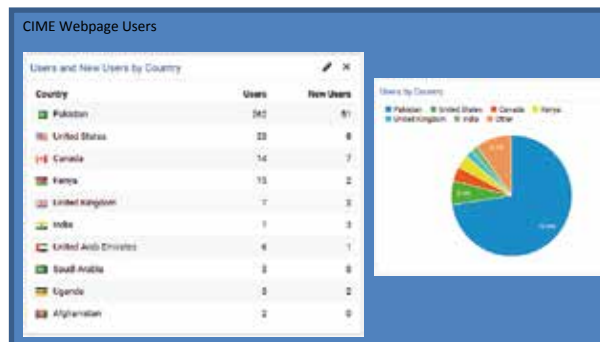
## Shaping CIME in the Digital Age

CIME started using Facebook in April, 2017 in order to raise awareness of this, an international centre of excellence, here in Karachi. This is part of our developing Communications Strategy along with webpages, intranet, and eNewsletter. As part of a departmental information-sharing session, a presentation on “finding the best opportunity and shaping CIME in the digital age” was given by Mr. Ghulam Nabi. He has been given the task of leading the marketing and communication activities of the centre.

Ghulam explained that, as digital marketing allows an organization such as CIME to go beyond traditional boundaries there is a crucial need and importance to develop an effective communication strategy. How the strengths and weaknesses of each of the components are balanced within the overall strategy was discussed. He explained that there is a need for strong marketing and communications to create awareness of CIME, build ‘customer’ loyalty and retention. Although the ‘customers’ of CIME are the academics, faculty, clinicians, and students of AKU and AKUH, it was explained that the same principles apply. Ghulam observed that unfortunately most companies are still treating social media just like any other marketing channel, when in fact, it offers so much more, such as a mechanism to facilitate public relations, customer services, loyalty building, collaboration, networking and customer acquisition. Lastly, Ghulam noted challenging issues such as, how to assess the impact of digital marketing on the customer, how to measure return-on-investment and how to determine the extent to which these different marketing and communication strategies contribute to the overall success of an organization. Basic statistics on users and activity can be taken from Facebook, as can be seen in the following graphs, but what this data is telling us is open to interpretation. However it is impressive that we have gained 1900 followers through organic growth in the last few months alone



Mr. Ghulam Nabi Senior Assistant CIME





# Clinical Simulation Workshop

## Change the way you teach!

During this workshop you will learn that -

1. You are part of a team that delivers education using technology: you are not alone!
2. Our technology in CIME can help you teach in different ways
3. The people at CIME will carry the 'technology burden' leaving you to concentrate on your students' learning.
4. Managing large numbers of students is a challenge, it is not impossible!
5. There is no situation where technology cannot provide benefits to learning.
6. If you bring details of what you want to teach, and when, we can do on-the-spot room booking, equipment booking, and specifications for all you need to prepare for your session including helping create realistic scenarios, how to manage debriefing, and support with dry-run and practice sessions.

### Workshop Details

**Date:** Thursday, October 19, 2017

**Time:** 2:00 to 5:00 PM

**For Registration Contact:** Ms. Nazleen Punjwani  
(Ext: 3701 or [nazleen.punjwani@aku.edu](mailto:nazleen.punjwani@aku.edu))

### Next Workshops in 2017

November 16 and December 14

***Last Few Seats!***