

**A Milestone in Simulation**, yet another, has been reached with the team from the Department of Emergency Medicine who conducted their “Trauma Simulation Course” where a team of junior doctors from different disciplines treated a newly admitted road traffic accident victim. Held on Wednesday May 17, it was high adrenaline, high drama, and certainly something from which everyone learned.

Dr Emad Siddiqui explains,

*“This poly trauma patient presented to the emergency department (ED) by ambulance where residents initially used ATLS guidelines to resuscitate him. Hospital policies meant that other teams became involved, such as General Surgeons, Neurosurgeons and Orthopedics, and these residents performed naturalistically, but this time in a safe, controlled environment. The debriefing session focused on strengths as well as areas for improvement.”.*



For more pictures:

<https://www.facebook.com/AKUCIME/photos/pcb.659012100959865/659002374294171/?type=3&theater>

## Embracing ‘Flip’ Style Teaching

A workshop demonstrating the essence of ‘flipping’ a class began even before the session started: participants were required to undertake preparatory work exploring the underpinning pedagogical theory. Then during class Dr Saida Fatima and the other facilitators assisted the participants to use their ‘homework’ in applying and analyzing the concept of the ‘flipped class’. By demonstrating the use of technologies that make it such a popular teaching method for today's students, it was explained how valuable yet easy it was to make video lectures, online quizzes, use podcasts and webpages.

*“Super planning, excellent delivery. Our facilitators will invite faculty and staff to their sessions planned as a ‘flipped classroom’ in the future.”*

*Dr Saida Fatima  
Assistant Professor, Biological & Biomedical Sciences  
AKU*



**Regional Simulation Experts spend a day at CIME:** Dr Carlos Chidiac the Gaumard Scientific Regional Director for the Middle East and Africa, and Charbelle Ata, representing the company B-Line, visited to meet with CIME core team, CIME Champions, and the wider community of technology specialists in AKU.

The latest mannequins which provide truly high fidelity birthing, and neonatal care were demonstrated. Midwives and Obstetricians were amazed at the reality and that complicated childbirth experiences could so easily be reproduced for residents and students. It was noted that in Pakistan male students often have difficulty getting sufficient 'hands-on' and that this type of simulation could go a long way to compensate. Charbelle provided an overview of the usefulness of an integrated debriefing system: invaluable for the team at CIME who are currently evaluating several products for purchase.

*'AKU has a one-of-a-kind CIME...that will surely have a great impact on healthcare education. The most impressive component nevertheless, remains the Human Resources... we met an impressive team'* Dr Carlos Chidiac

*'I met great people, professional and passionate in what they do'* Mr Charbelle Ata



## “Rapid Response Team” simulation video.

The teams are so pleased with the success of this event that a video has been produced. Please check out the link

<https://www.facebook.com/AKUCIME/videos/662481027279639/>

## CIME on the intranet NOW!

You, our greatest asset will now be able to explore the facilities we provide throughout CIME, our people and our policies, in depth. View our simulators and much more ...

<http://betaportal.aku.edu/CIME/Pages/>



## Introducing our latest acquisition: Mr Talha Ahmed.



Mr. Talha Ahmed Khan  
Senior Assistant  
CIME, AKU

Talha has a BSc in Computer Science.

*“The technology and high fidelity simulations are a fascinating part of working in CIME. With these advancements in education, CIME will rise to great heights”.*

Talha is undergoing a structured CIME orientation program designed for new employees which leads them to a better understanding of the centre and the specific roles other members of the team perform. It also helps them to think of this not just as a job, but as the first step on a career path into the future.

## The 2<sup>nd</sup> Annual AKU Orthopaedic Review Course

was organized by the Department of Surgery at the Centre for Innovation in Medical Education.

This course is designed to meet the needs of the FCPS candidate and practicing orthopaedic surgeons to make a thorough review of current orthopaedic practice.

The course was attended by 35 participants.

For pictures:

<https://www.facebook.com/AKUCIME/photos/pcb.659813044213104/659814580879617/?type=3&t>

**Moulage** is required in many cases of simulation, either with simulated patients or mannequins, to recreate authentic clinical features. Dr. Azam Afzal (our CIME Champion in DED) has been developing his skills for OSCE exams and some of his work is displayed.



Some creative work on Moulage by Dr. Azam Senior Instructor, EduDvp&Med, AKU

## Another first: Neuro Simulation Workshop:

Dr Aneela Darbar organized this innovative workshop for residents of AKU, joined by faculty from Liaquat University of Medical & Health Sciences, and post graduate trainees from local hospitals around Karachi.

25 participants in total. A great start and will be repeated as there has been excellent evaluation by those involved.



## Complete IT integration of the Dental Lab:

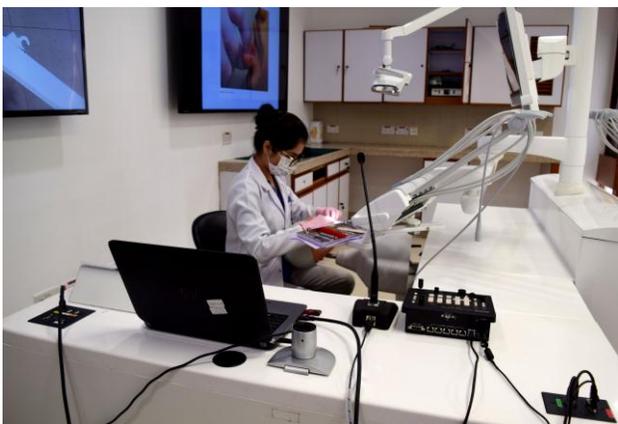
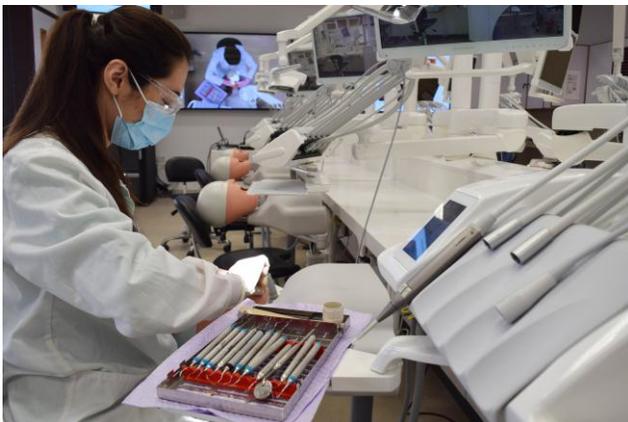
A state of the art debriefing system with 3 mode functionality has been installed at the dental lab.

Dental mode: instructor can perform procedure to teach students via overhead cameras

Non Dental mode: lab can be changed to a radiology lab

Video Conferencing mode: this enables faculty at a distance to teach students at their workstations.

An official launch of this world class lab is pending...



## Fundamental Critical Care Support Provider Course

The Departments of Anaesthesiology and Continuing Medical Education conducted a simulation-based session on “recognizing the critically ill patient” on a Human Patient Simulator.

The programme included 14 interactive lectures and 6 skill stations with pre and post-test sessions. Participants were from the departments of Surgery and ER, and the Civil Hospital Karachi.

The course was very well conducted by Fundamental Critical Care Support Provider Course (FCCSP) team.



For more pictures:

<https://www.facebook.com/AKUCIME/photos/pcb.661645707363171/661638027363939/?type=3&theater>

**A Surgical Skills workshop** was designed for the Postgraduate students of the Department of Surgery.

You don't always need to spend a lot of money on high-fidelity training equipment: its amazing how innovative use of commonly available materials can produce excellent results.



**A Spinal Trauma workshop** was organized by Neurosurgery, in collaboration with AO Spine Forum Middle East & POA Spine Forum at the Centre for Innovation in Medical Education.

The remarkable feature of this workshop was the Hands-on exposure on saw bones and case-based discussions by expert lecturers.



For pictures:

<https://www.facebook.com/AKUCIME/photos/pcb.662133253981083/662132573981151/?type=3&>

## IED and CIME

By Invitation the director of CIME met with faculty of IED at their Karimabad Campus to exchange information and explore mutually beneficial ways off working. The Faculty of IED were excited at the prospect of using some of our facilities for their Masters Programmes.

The technology available in CIME and its modern interactive learning spaces could be useful in teaching and in the evaluation of teaching. This could be the beginning of future collaboration.