



## A Knowledge Enhancement and Skills Updating Workshop For 75 Infection Control Nurses and Staff

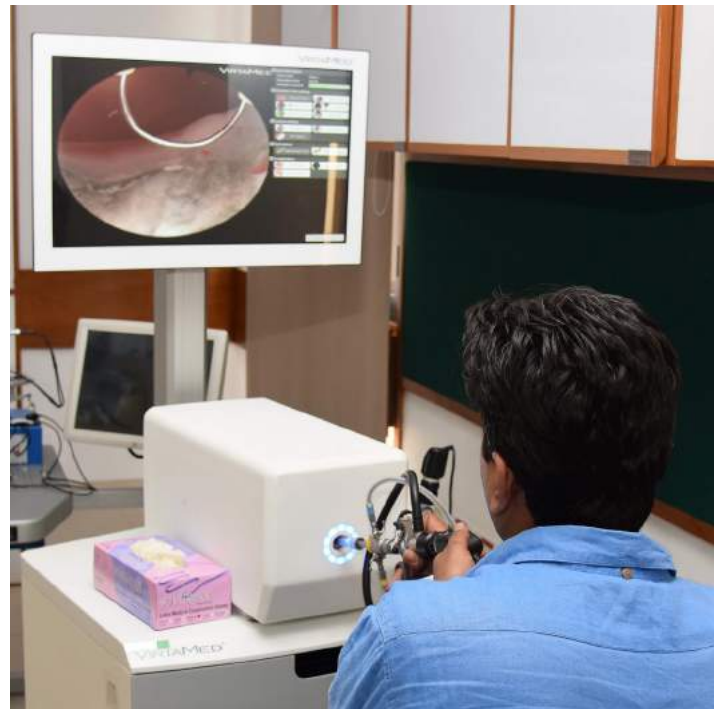
The Department of Infection Prevention and Hospital Epidemiology (DIPHE) organised a workshop in collaboration with CIME for Infection Control Nurses and Staff (ICLNs). The purpose of this workshop was to enhance the knowledge of ICLNs ranging from the basic principle of Infection Control to the prevention of device associated Infections, and environmental safety.

In addition, participants were educated in how to conduct the 'Prevention and Control of Infection' audit at the bedside through simulated practice. The critical importance of ensuring effective collaboration and ensuring around-the-clock compliance to infection control practices in clinical teams were some of the core objectives that were achieved.

## Acquiring Skills, Knowledge and Confidence in Transurethral Resection of the Prostate and Transurethral Resection of Bladder – A Simulation Workshop

CIME introduced a one day simulation workshop on TURP and TURB. Transurethral surgery is a very common procedure, but like all surgery, complications can arise. It requires accurate hand-eye coordination and fine motor movements for the handling of delicate instruments. It is difficult to learn, hence requires practice as the slightest error can lead to complications.

In this workshop, participants learned how to master instrument handling, anticipate and manage complications without harm to patients. Participants performed both TURB and TURP in the safe environment of the VirtaMed High Fidelity simulator. This workshop not only enabled the urology residents to develop the spatial understanding and handling techniques but also provided them with the opportunity to develop mastery through trial and error, get feedback on their performance, and learn from any errors. This equipped participants with skills and knowledge, and as importantly, confidence, in caring for patients requiring this surgery.



## A Pioneering Simulation Session for Nursing Year III Students

CIME organised a 'normal birth' simulation for Nursing year III students, using the hi-fidelity simulators Victoria and SuperTory. The aim was to help students gain confidence in managing uncomplicated situations and to recognise the early development of any emergency in either mother or child.

Male students also participated in this session. This is important to mention because often men are restricted in the care of female patients, for cultural reasons. However curricular outcomes do not make distinctions between male and female students and expect the same skill set and knowledge base to be present in both at graduation. Simulation thus provides the solution to this critical issue that affects nursing and medical programmes throughout the region.



## A First Interdisciplinary Tracheostomy Workshop for AKU



The First Interdisciplinary Tracheostomy Workshop was organised at CIME. The aim of this workshop was to minimize operative complications in tracheostomy, type of tracheostomy tubes; long term tracheostomy care, and decannulation.

Participants were given an opportunity to practice the potentially hazardous removal and replacement of a tracheostomy tube in the safety of a mannequin facilitated simulation.

## SimWars 2019

### Finding difficulty in gathering your team for SimWars?

We have good news for you. Now you can apply individually and we can help you in building your teams. For information and registration, you can contact us at [cime@aku.edu](mailto:cime@aku.edu)





## The Department of Surgery holds a Mini Breast Surgery Symposium

In collaboration with CIME a symposium on Breast Surgery was organised with the aim of spreading awareness about the challenging issues that arise in this potentially traumatizing procedure.

Dr. Anees Chagner from Yale Comprehensive Cancer Center Connecticut, USA and Dr. Farin Amersi from Cedars Sinai Medical Center, California, USA were the international speakers for this symposium.

## Staff in Action!

### Shake-out Drill and Fire Safety Training





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**Organised by:**

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# Centre for Innovation in Medical Education Clinical Simulation Operators Programme

March 11-13, 2019 | 8 am to 5 pm

Multipurpose Hall, CIME

## Be the mind behind the machine

The Clinical Simulation Operators Programme has been developed to address the training needs of technicians and operations personnel within simulation centres. The programme provides an insight into the range of approaches to simulation education and appropriate terminology, as well as audio-visual, biomedical, information and communications technologies. Competencies will be acquired in those roles and responsibilities of the simulation technician including scenario programming, equipment repair and maintenance, calendar/timeline management, running simulation sessions and much more.

## Teaching and Learning Strategies

Participants will be actively engaged in challenging but well supported activities, in teams, to acquire a global understanding of clinical simulation as a pedagogy and as a process to be effectively managed from a technologist perspective. Theory will be provided to the extent that it informs practice. The main focus will be on participants acquiring skills and knowledge to be able to select and prepare appropriate technologies and simulators in order to allow academics and clinicians to achieve their educational objectives through clinical simulation.

## Module Descriptors

This programme has 9 modules organised as follows:

- Module 1 What is clinical simulation?
- Module 2 Basic concepts of simulators
- Module 3 Technology for debriefing
- Module 4 Translating and programming scenarios
- Module 5 Troubleshooting and maintenance
- Module 6 Preparing and setup of simulated spaces and learning rooms
- Module 7 Selecting the right product
- Module 8 Innovation and development
- Module 9 Professionalism and vendor relationships

Registration fee: Rs. 20,000

Register by: February 11, 2019

Discounts available upon request



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**Organised by:**

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## Centre for Innovation in Medical Education

### Critical Care Focused Ultrasound Workshop

December 15-16, 2018 | 8 am to 5 pm

Debriefing Room, 1<sup>st</sup> Floor, CIME

#### Introduction and Aims

The 'Focused Ultrasound Examination' has become increasingly recognised as a safe and valuable diagnostic tool for the bedside assessment of critically ill patients. This course will ensure that participants acquire the skills and knowledge needed to perform this procedure effectively. Participants will engage with realistic clinical scenarios and will experience hands-on practice with high-fidelity ultrasound simulators (Vimedix and SonoSim).

#### Learning Outcomes

Following this workshop, participants will

- Know how to obtain optimal images (machine setup, basic physics and knobology).
- Perform lung ultrasound and distinguish normal, pneumothorax, pleural effusion and consolidation.
- Understand how to perform Focused Assessment with Sonography in Trauma (FAST).
- Perform a 'preload assessment'.
- Perform a focused ECHO/ DVT assessment.
- Demonstrate simulation-based airway / optic nerve sheath ultrasound.

#### Course Features

Within the technology enhanced learning environments of CIME, participants will learn through hands-on practice on the ultrasound simulators Vimedix and SonoSim. Extensive time on 'Skills Stations' will enhance skills acquisition. A course manual will be provided.

#### Who should attend?

All residents, fellows & consultant working in Anaesthesia, ICU, Pulmonology, Emergency Room and Acute Care.

Registration fee: Rs. 6,500

Register by: December 05, 2018

