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Microscopic Repair for Peripheral Nerve Surgery and Spinal Instrumentation Workshop

This hands-on workshop was conducted as part of pre-symposium workshop of Neurosurgery Education & Research (NEAR) symposium, on April 7, 2018 at CIME. This workshop provided opportunities for trainees to acquire basic skills such as microsurgical repair of nerve injury, and spinal instrumentation. A series of excellent lectures and demonstrations was performed on animal tissues by Dr. Gohar Javed and Dr. Saad Akhtar Khan. The objectives were to provide surgeons and trainees with invaluable instruction on the intricate techniques of microscopic repair for peripheral nerve surgery and spinal instrumentation. The long term plan is to conduct this workshop every year and apply for educational grant.



SONAM Teaching Strategy Forum



As SONAM seeks to enhance its approach to teaching and learning, the first of a regular series of half-day 'Teaching Strategy Forums' for faculty began with Clinical Simulation, presented in CIME. As Dr Dias explains

"It takes more than a mannequin to Bring Simulation into your Teaching".

Simulation is defined as the creation of an event that mirrors real life. In order to prepare nurse educators to integrate simulation into the nursing curriculum a half-day session was conducted by Professor Charles Docherty, Dr Jacqueline Dias and Mr Saleem Pirani at the inaugural forum on Friday April 13, 2018. It was well attended by SONAM faculty, DED faculty, NES instructors and MScN students.

Dr Docherty began with an overall introduction to the principles of simulation along with an update of CIME's progress and future plans including the expansion of CIME by the incorporation of SONAM skills lab. Additionally, Dr Docherty then spoke about the educational principles behind giving feedback in simulation.

This was followed by Dr Jacqueline Dias' session on the Art and Science of Scenario Writing from conceptualization to implementation and evaluation. Dr Dias also shared how debriefing is used following simulation. Mr Pirani then lanced the pimple of anxiety that diminishes the beauty of high-fidelity mannequins, by sharing how simulation scenarios are embedded into the mannequin. By explaining that faculty would not be expected to programme the mannequin- that was his job – there were smiles all-round.

The question and answer session then explored and discuss simulation in nurse education. The facilitators discussed how to approach common challenges – from how to train and use simulated patients, to ways of organising the timetable to accommodate larger numbers of students.

All-in-all a productive day: another step along the path of integrating clinical simulation into curricula.

Dr Jacqueline Maria Dias
Prof Charles Docherty

Clinical Skills Enhancement Programme for Hospital Based Healthcare Providers

A collaboration between The Aga Khan University Hospital, Poverty Eradication Initiative (PEI) and The Centre for Innovation in Medical Education

Nursing Education Services, AKUH, in collaboration with PEI organised two one-week programmes of clinical skills training at CIME. The doctors were selected from Sindh Peoples Health Programme (SPHP) hospitals, and provided with intensive training to enable them to disseminate guidelines and train others in the appropriate use of the new equipment. These 'Master Trainers' were thus equipped with the knowledge and tools to cascade training at their respective facilities. The supplies were of a very high quality, and provided by PEI in sufficient quantity in order to fully equip the selected hospitals.



The clinical focus was on infection control, nursing practice, anaesthesia, plus clinical laboratories, the OR, Radiology, and Physiotherapy.

AKUH facilitators from these disciplines provided training to two cohorts of Master trainers from March 26-30 & April 2-6, 2018 at CIME, as part of this on-going very productive relationship with PEI.

STEER Workshop (Strengthening Knowledge and Empowering Management of Diabetes) – A collaboration by CIME and Sanofi, Pakistan

CIME in collaboration with Sanofi Pakistan conducted an exclusive one day workshop for physicians to improve the knowledge and understanding in the management of diabetes and its complications. The STEER workshop (Strengthening Knowledge and Empowering Management of Diabetes) was facilitated by an esteemed faculty of 8 Endocrinologists and the course was recognised & accredited by American Association of Continued Medical Education (AACME).

A total of 60 health care professionals participated in the training which included scientific sessions on nutrition therapy, pharmacological therapies for diabetes and hands-on workshops regarding early recognition and management of complications of diabetes.



1st International Hip & Knee Arthroplasty Symposium

The Orthopaedic Section of the Aga Khan University, in collaboration with Pakistan Orthopaedic Association and Pakistan Arthroplasty Society, successfully organised “First International Hip & Knee Arthroplasty Symposium” at CIME on April 28-29, 2018.

The symposium managed to gather 80 orthopaedic surgeons from all over the country. The participants interacted with twelve leading joint replacement surgeons from all over Pakistan. The international joint replacement experts included: Ivan Brenkel, Evert smith, Tanvir Sadique and Umer Butt from UK, and Mengnai Li and Nadeem Khalid from USA.

The symposium was a lively gathering of orthopaedic surgeons at all levels. The activity was a two-day show with dedicated one day each for Hip and Knee joint replacement surgery. The scientific programme included variety of lectures and sessions covering all aspects of Hip and Knee Joint Replacement Surgery. All international & national speakers shared their experience, with discussions on current concepts, case based discussions and debates on controversial issues of Hip & Knee Arthroplasty. The symposium helped to have updated information and guidelines and will certainly build up the confidence of our orthopaedic surgeons. The visiting participants and the faculty spoke very high of our organisational ability, professionalism and the scientific content of the symposium.



Hypertension Simulation Workshop

The Centre for Innovation in Medical Education organised a Hypertension Workshop in collaboration with Bayer Pharma. The objectives of this workshop were to improve knowledge, competence, and performance of primary care providers in treatment of hypertension and patient management according to guidelines.



Simulation Session on Crisis Resource Management

A simulation session was conducted on Crisis Resource Management for nephrology residents. The simulation scenario (Hyperkalemia) was executed by a group of residents on our high fidelity simulator. The debriefing session focused on strengths as well as areas for improvement.

The session was supervised by our CIME Champions (Dr Amir Hameed, Dr Amir Shariff and Dr Emaduddin Siddiqui) and arranged by Dr Rabeea Azmat (Senior Instructor, Nephrology) and Dr Syed Farrukh Umair (Senior Instructor, Nephrology). It was an excellent learning experience for all.



RN Orientation Simulation Workshop

The Department of Nursing Education Services (NES) organised a simulation-based activity with 52 nurses from the RN Orientation programme participating in scenarios focusing on Hypoglycemia & Isolation Precautions as well as Blood Transfusion Reactions.

Photo: Registered Nurse Orientation participants performing in simulated scenarios.



Community Health Workers in Action!

Community health workers first time in simulation to learn about early identification of newborn complications and timely referrals. It's all about saving newborns.



New! A guest column to help readers with their problems. Please send yours to Dr Charlene, @ CIME web address



Dr. Charlene, Agony Aunt

Dear Dr. Charlene,
Welcome to Pakistan. We are so glad you've started this facility for beleaguered faculty. I am at my wits end! Students don't listen to me, don't attend my lectures and I don't get a whiff of the respect I gave to my teachers. The worst thing is they actually pass the exams without much help from me. What should I do? I feel useless and unwanted. Any suggestions?

Dr. Witsend.

Dear Dr. Witsend,
Put your dohd pati aside and try camomile tea. Once you calm down you'll see there are lots of ways you can re-connect with your students. You don't need to use words like "Yo" and "Dude", "Sup?", or "Hang" with them during breaks. Look in the mirror – maybe consider changing the way you dress but seriously is that person in the

mirror the professional you want your students to be? Remember, perceptions form attitudes that drive behaviours. You may have qualifications and experience the length of your arm but you will only get street-cred by, for example, using the same information and communications technologies that students use everyday. Set up discussions on-line, find out what they're struggling with. Encourage the use of on-line video and other web resources, and encourage the students to share these with each other - if not on a Virtual Learning Environment, then through a WhatsApp group or similar. Express happiness with them or diss them using emojis. Teach in a more interactive way flipping the classroom or using team-based learning. Use Kahoot for greater interaction. You have an excellent multi-dimensional, multi-purpose multi-professional Centre – CIME – that allows you to be the innovator in the curriculum. Students like novelty - clinical simulation is something new for them that challenges and benefits them tremendously. By raising your expectations and by showing the students that your knowledge and skills and teaching strategies have currency and credibility they will want to learn from you, to impress you, and will love to hang-out with you at your lectures. You will gain their

respect as a challenging yet cool facilitator and an awesome teacher.

Do let me know how you get on.
Dear Dr. Charlene,

I need your advice. I gave my students directed study last Friday afternoon that should have taken 2 hours to complete and left them to it. I set off in my car to a meeting but after 100 yards the car stalled so I returned to the class room to find all the students had gone after only 10 minutes! I would never have behaved like this as a student. When I confronted them they didn't see the issue and they did the work in their own time.

What can I do to prevent this situation happening again!

Dr. Incredulous

Dear Dr. Incredulous,
A difficult one. A car stalling after being driven a short distance can be caused by a number of faults with the engine, start checking there is no debris in the fuel line. If it is clear, check the vacuum pipe and also check all grounding wires. If none of these approaches solve the problem, it could be that the fuel pump itself is faulty, causing low delivery pressure to the injectors.

I hope this helps avoid similar situations in the future. Let me know.

Dr. Charlene

In Case You Missed On Our Facebook Page!

This is a one minute video by CIME's Dolliewood Production wing and SPIE (Society for Promotion of Innovation in Education) to show the active learning that occurs in clinical simulation. Watch the video: <http://bit.do/egqeU>



Ophthalmoscopy Teaching Session for Medical Students

Year 3 Medical students learning how to examine the retina and the inside of the eye.

