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Shifa Center of Professional Excellence (SCOPE)

Quarter Report (2022)



Summary

Shifa Centre of Professional Excellence (SCOPE) was established under the umbrella of Shifa Foundation. The fundamental goal of SCOPE is to strive for excellence in medical teaching, professional learning and encouraging research ventures.

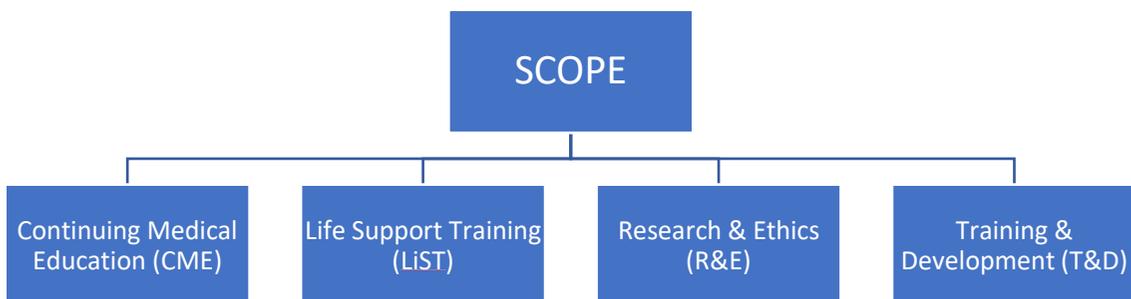
Shifa Center of Professional Excellence (SCOPE), an integral part of Shifa Foundation, established with the mission to be the nation's state-of-the-art learning and training facility in education, innovation and research.

To accomplish this mission, we integrate evidence and best practices from scientific education and implement to develop and assess activities that tend to enhance skills, strategy, and performance, ultimately resulting in better health outcomes.

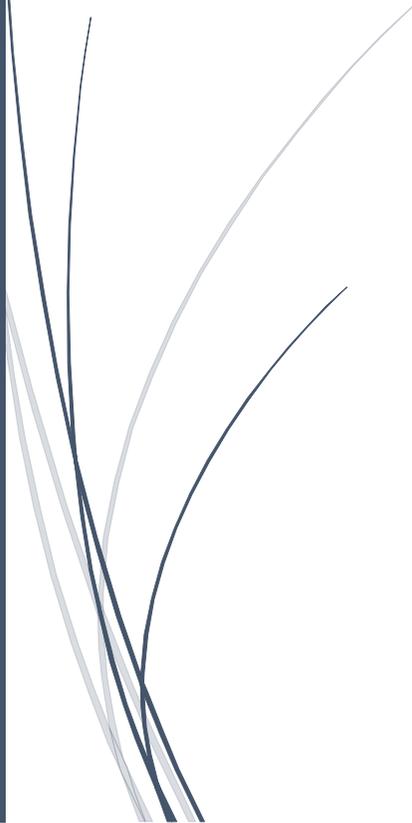
Operational Programs:

SCOPE's functional operations programs are;

- *Continuing Medical Education* with the ultimate responsibility to update knowledge, skills and practices of healthcare teams.
- *Life Support Training* with the ultimate responsibility to provide the complete suite of Emergency Cardiovascular and Cardio-Pulmonary Resuscitation trainings.
- *Training and Development* with the ultimate responsibility to bridge knowledge gaps by providing capacity building services and innovative solutions.
- *Research & Ethics* with the ultimate responsibility to develop proposals and promote the research activities.



Continuing Medical Education



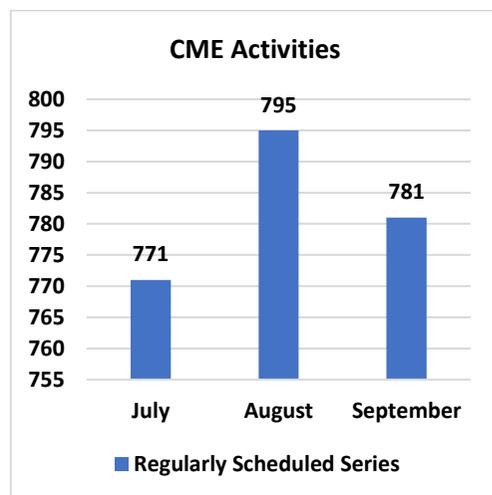
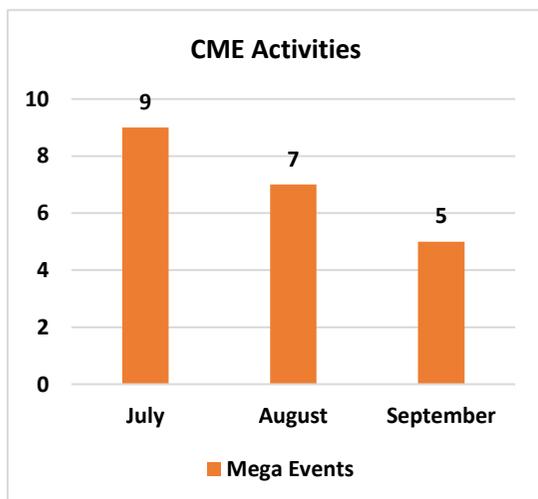
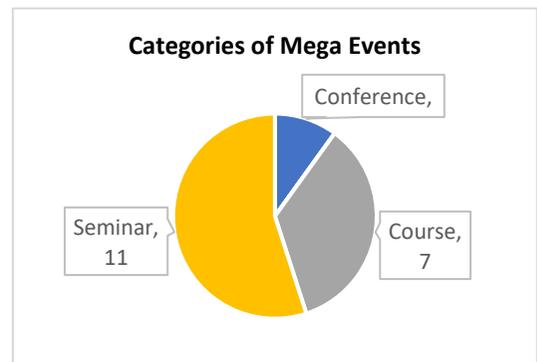
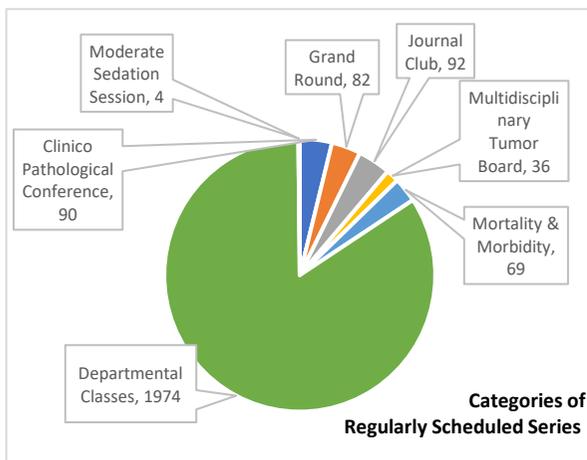
Overview of Continuing Medical Education

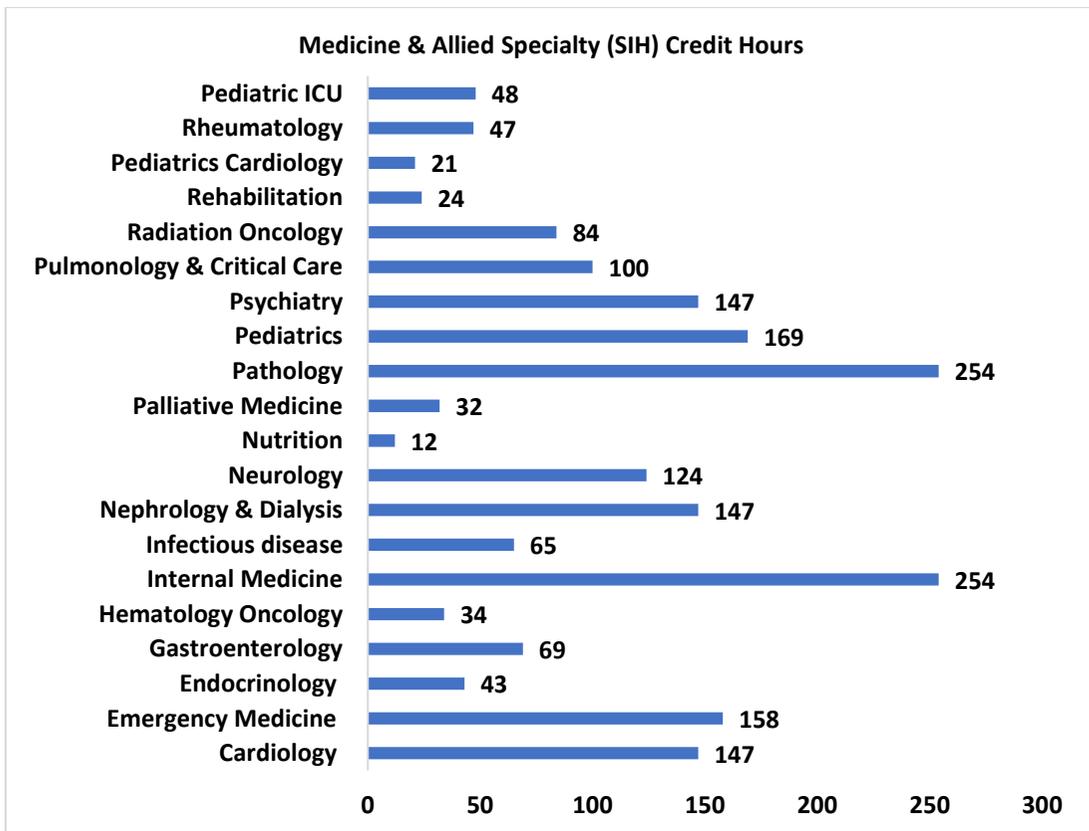
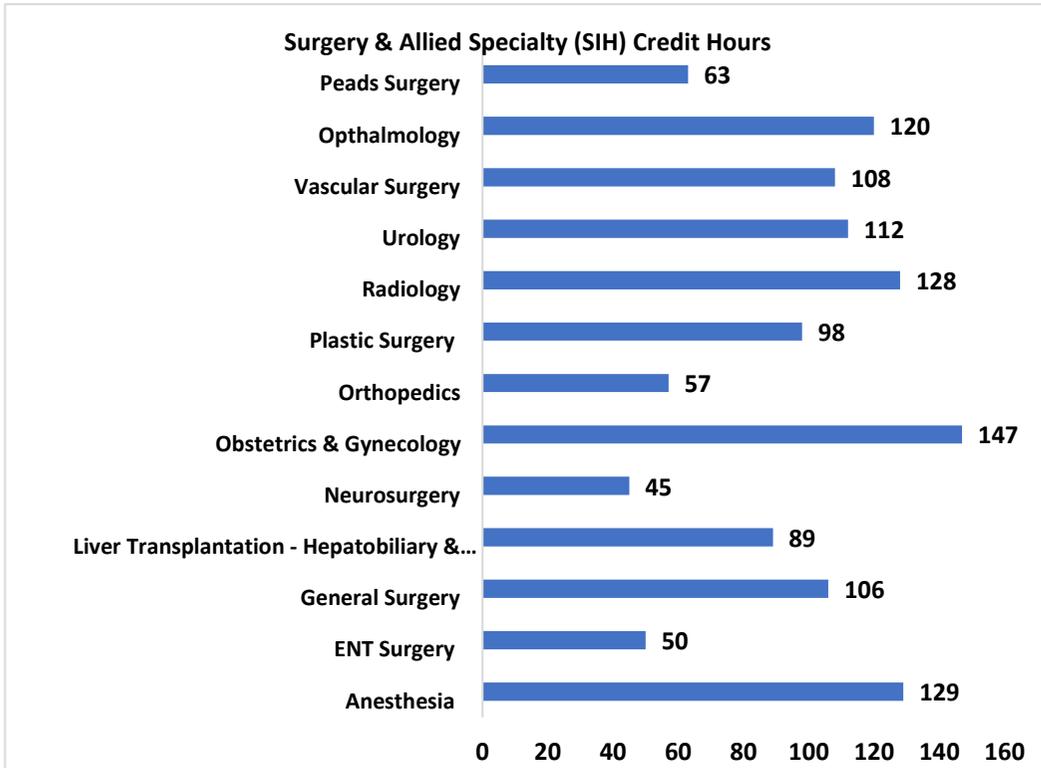
Keeping in view the growing need of CME in physicians and healthcare professionals, established under the umbrella of SCOPE, the Continuing Medical Education Program was envisioned to create healthcare teams for change through CME.



In March 2022, we achieved accreditation for two years from Accreditation Council for Continuing Medical Education (ACCME) and became the third ACCME Provider in the country.

Number of Activities Conducted





Overview of the Activities

Non-Invasive Neonatal Ventilation: Workshop



Over 100 Healthcare Professionals given training on Neonatal Non-Invasive Ventilation. Non-Invasive Ventilation is being increasingly used worldwide for sick neonates in NICUs. 04 sessions of "Non-Invasive Neonatal Ventilation Workshop" in the month of June and July and over 100 doctors and nurses were trained. The workshop consisted of lectures and hands-on training was led by Dr. Yasser Masood, Consultant Neonatologist, Shifa International Hospitals Ltd, Islamabad.

Dr. Yasser Masood talked about CPAP, its indications, various devices which are used for delivery of CPAP, how to wean CPAP and discussed nursing and general neonatal supportive care for babies on CPAP. Dr. Salman Bashir Wani and Dr. Ayesha Munir discussed High Flow Nasal Cannula Oxygen, its indications, devices for delivery of HFNC, how to wean HFNC and discussed general supportive care. Later on, participants were given hands-on training on different devices used to deliver CPAP and HFNC. They were also shown different types of circuits, masks and nasal cannula used for delivery of NIV in Neonates.

Approach to Neuropathies



A lecture on "Approach to Neuropathies" was organized where Dr. Sabeena Iqbal Malik (Assistant Professor Neurology, Wayne State University Detroit Medical Center, Michigan, USA), to understand how the neuropathic are characterized for the purpose of diagnosis and to describe the current diagnostics methods for neuropathies.

Implementing Best Pharmacy Practices in Public Hospitals; Myths and Realities

A lecture was organized on "implementing best pharmacy practices in public hospitals; myths and realities, where Ms. Aama Hamid, Director Pharmacy Services, Dow University Hospital, Karachi discussed the standards involved in good pharmacy practices.

Moderate Sedation Course

Changes in the delivery of health care and advances in technology have moved many surgical procedures out of the traditional operating room. As such, physicians in a wide variety of settings are increasingly using moderate sedation/analgesia (often referred to as conscious sedation). It is important to have knowledge and skill in dealing with the potential complications of moderate sedation. The purpose of this course is to privilege all non-anesthesiologist physicians to safely and effectively induce moderate sedation and to familiarize them with applicable standards.

Competency based Medical Education: Insights and Challenges

In collaboration with Shifa College of Medicine (SCM), Shifa Tameer-e-Millat University (STMU) organized a workshop on "Competency Based Medical Education: Insights and Challenges." Trainers discussed the insights and challenges about the CBME and elaborated the mechanism for better learning and understanding medical education.



Research and Innovation as a Medical Trainee: Challenges and Opportunities

A lecture was organized on "Research & Innovation as a Medical Trainee: Challenges and Opportunities" by Dr. Irbaz Bin Riaz, Researcher, Harvard Medical School (USA). Dr. Riaz shared his experience and motivate the participants to take part in the research activities and publish as much as they can.

Create & Deliver Great Presentations

A pre-conference workshop of 15th ANRD was organized on the important topic of How to deliver great presentations. Dr. Farooq Azam Rathore (Consultant and Associate Professor, AFIRM, Rawalpindi) has discussed the key elements of Presentations to remove the embarrassment which students has to face while presenting at a big platform and Dr. Sahibzada Nasir Mansoor, (Consultant and Head of Department, Rehabilitation Medicine, Combined Military Hospital (CMH), Okara, Pakistan has discussed the pattern and rules to design a professional presentation.



15th Annual Neurology Research Day (ANRD)



Every year Annual Neurology Research Day provides the platform for Medical Students, Residents and Allied Health Sciences to present their research work nationally. 15th Annual Neurology Research

Day was organized in collaboration with Department of Neurology, SIH. Dr. Azhar Saeed (Consultant Neurologist, Shifa International Hospitals Ltd, Islamabad) shared the initiative taken 15 years back for the newcomers to present their research work on a national platform. Dr. Kaysar Mamun, Keynote Speaker, gave the tips regarding “Engaging in Research as Building Clinician: Rewards & Hurdles”.

Ambulatory Care Pharmacy Practice

A lecture was organized on “Ambulatory Care Pharmacy Practice” where Mr. Farhan Jilani, Associate Manager, Pharmacy Services, SIH enlighten the participants on the importance of ambulatory care.

Preserving Life - A Symposium on World Suicide Prevention Day

Symposium on World Suicide Prevention Day was organized in collaboration with Shifa College of Medicine (SCM), Shifa Tameer-e-Millat University (STMU), where the importance of suicide prevention was highlighted by the speakers among the participants.

Stress Management: Suicide Prevention Strategies in Students

A seminar on “Stress Management: Suicide Prevention Strategies in Students” was organized under the leadership of Prof. Dr. Abdul Wahab Yousafzai, Consultant Psychiatry, SIH. This seminar highlighted the prevention strategies among the students in terms of suicide.



Collaborative Advance Trauma Care Course

In collaboration with Emergency Medicine, SIH and under the supervision of Dr. Anna Quay Yaffee, Assistant Professor, Emergency Medicine/Director Global Health, Emergency Medicine Section, Emory University, School of Medicine (USA), “Collaborative Advance Trauma Care Course” was organized. The participants demonstrated the concepts and principles of trauma care, established management priorities in a trauma situation and learnt the resuscitation and stabilization techniques for the patient according to priorities.



Neonatal Resuscitation Workshop

With the aim to improve the neonatal care as per the world-wide accepted standards, 04 series of recurring “Neonatal Resuscitation Program” was organized. The hands-on demonstration facilitated in updating the skills and performances of participants in terms of resuscitation of the neonates.



Annual Medication Management Conference (AMMC - 2022)

Conference was conducted under the theme of “Pharmacy united in action for a healthier world”; a theme coined for this year’s World Pharmacist Day celebrations by International Pharmaceutical Federation – FIP. Chief Guest, Dr. Manzoor H. Qazi (Chief Executive Officer, Shifa International Hospitals Ltd) welcomed the conference attendees by appreciating pharmacists for their tireless work and said that “pharmacists are truly making a difference and impact on the patient's health”.

Speakers of the conference were Prominent names from the field of Pharmacy and Healthcare; Mr. Asim Rauf (Chief Executive Officer, Drug Regulatory Authority of Pakistan), Mr. Matthew Grissinger (Director Education, Institute for Safe Medication Practices (ISMP), USA), Mr. Robert J. Moss (President, Hospital Pharmacy Section, International Pharmaceutical Federation (FIP), Netherlands, Europe), Dr. Syed Mairajuddin Shah (Chief Operating Officer, Aga Khan University Hospital, Secondary Hospitals Pakistan), Mr. Abdul Latif Sheikh (President/ Chief Executive Officer, Pakistan Society of Health System Pharmacists), Dr. Ayaz Ali Khan (Consultant Pharmaceutical, Regulatory, Pharmacy Academia, International Accreditations), Dr. Ejaz Cheema (Professor and Founding Dean, School of Pharmacy, University of Management and Technology, Lahore, Pakistan), Dr. Sadaf Faisal (Clinical Pharmacist, Thames Valley Family Health System, Canada). In her closing remarks, Chairperson - Annual Medication Management Conference Shifa 2022, Ms. Salwa Ahsan (Chief of Pharmacy, SIHL & eShifa - Home Healthcare services) stated that "knowledge and life-long learning is the key to success and the lessons learned today should be taken with us and bring the change in the profession of pharmacy."



Uterine Cancer

To provide the most updated knowledge about the disease in order to upgrade the methodologies used by healthcare providers, Dr. Mian M. Khuram Shahzad, MD, PhD, Medical Director / Associate Professor, Department of Gynecologic Oncology, H. Lee Moffitt Cancer Center, Florida, USA, discussed the Uterine Cancer.

Bronchoscopic Lung Volume Reduction for Severe Emphysema

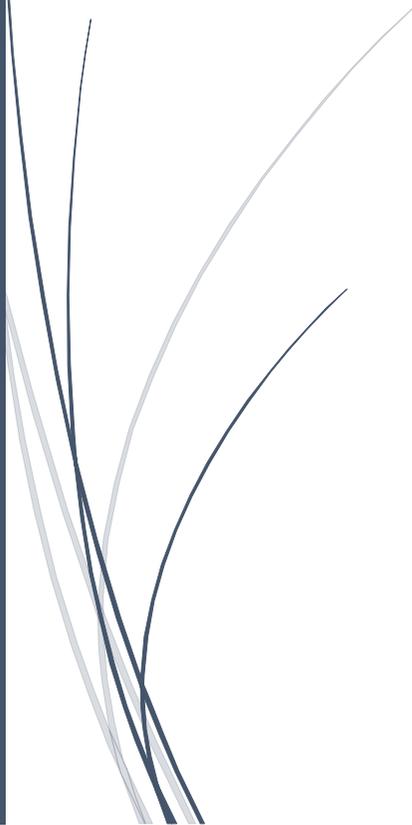
To update clinical knowledge that, Dr. Majid Shafiq, MD, MPH, Assistant Professor of Medicine, Harvard Medical School, Medical Director, Interventional Pulmonology, Division of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, USA discussed this important topic among the participants.

Post Conference Workshop - AMMC 2022

The Post Conference Workshop - Annual Medication Management Conference (AMMC-Shifa 2022) on the topic of "Sterile Compounding Services in Hospital Pharmacies - Ensuring Quality and Patient Safety." Mr. Faisal Aziz Sandeela (Manager Pharmacy Services, Shifa International Hospitals Ltd) welcomed the participants and emphasized the significance of learning "Sterile Compounding Services in Hospital Pharmacies" to improve the quality of patient care. Workshop was led by Ms. Sundus Ayub Awan (Principal Pharmacist, SIH) along with Mr. Faisal Aziz Sandeela (Manager Pharmacy Services, SIH), Mr. Rehan Anjum (Assistant Manager, Pharmacy Services, SIH) & Hira Farrukh (Principal Pharmacist, SIH). Guest of honour, Mr. Zarshad (GM Facility Management Division) highlighted the "Engineering aspects in Pharmacy" and praised the attendees for travelling from all across Pakistan to learn about the Sterile Compounding Services. Mr. Omar Akhlaq Bhutta (Director & Head Pharmacy, SKMT) appreciated the efforts of Shifa International Hospital (Pharmacy Services) for organizing the workshop and playing their role in improving the patient care. Ms. Salwa Ahsan (Chief of Pharmacy, SIHL & eShifa - Home Healthcare services) said in her closing remarks that "Shifa will continue to organize Continuing Education events in order to play its role in improving pharmacy practices in Pakistan and lessons learned today should be implemented in our daily practices."



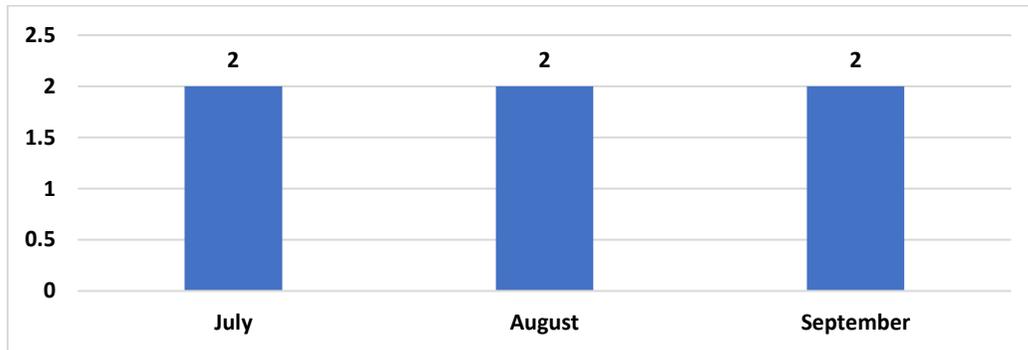
Research and Ethics



Overview of Research and Ethics

Established under the umbrella of SCOPE, the Research & Ethics department was envisioned provide a wide range of opportunities to engage with expert researchers and enhance partnerships with the institutes.

Number of Activities Conducted



Overview of the Activities

Going Beyond Original Research Article

A three-hour interactive workshop titled "Going Beyond Original Research Article," was conducted with the goal of providing formal research and publication ethics training under the leadership of Dr. Farooq A. Rathore (Associate Professor & Consultant, AFIRM, Rawalpindi, Pakistan).



Guest Lecture - Research & Innovation as a Medical Trainee: Challenges and Opportunities:

A lecture was organized on "Research & Innovation as a Medical Trainee: Challenges and Opportunities" by Dr. Irbaz Bin Riaz, Researcher, Harvard Medical School (USA). Dr. Riaz shared his experience and motivate the participants to take part in the research activities and publish as much as they can.

Research Methodology Series:

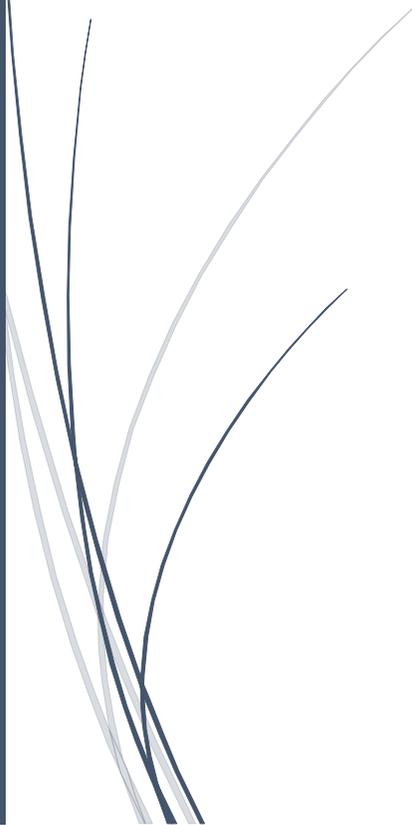
A series of lectures entitled Research Methodology are organized with aim to appraise the basics of concepts of steps involved in research methodology of the research projects and articles.

Clinical Trials

Current Trials		
Clinical Trials Name	Principal Investigator (PI)	Brief Summary
Phase III Booster Dose Trial Vaccine - <i>CanSino</i>	Dr. Ejaz Ahmed Khan	<ul style="list-style-type: none"> ✓ COVID-19 Trial with multicenter global study sponsored by Beijing Institute of Biotechnology ✓ A total number of 2004 subject participants (adults 18 years of age and older) were enrolled in booster dose phase III trial
Phase III Single Dose Trial Vaccine - <i>CanSino</i>	Dr. Ejaz Ahmed Khan	<ul style="list-style-type: none"> ✓ COVID-19 Trial with multicenter Study Globally, sponsored by Beijing Institute of Biotechnology ✓ Recruitment of subject participants closed at 5485 ✓ Passive follow ups & Queries ongoing
COVID- Booster Vaccine Phase III -Fusion Protein Vaccine- <i>Livzon</i>	Dr. Mian Amjad Sohail	<ul style="list-style-type: none"> ✓ Phase 3 Randomized Trial for COVID-19 Trial, sponsored by Livzon Mabpharm Inc. ✓ Recruitments of Participants closed at 2003
Perioperative Ischemic Evaluation-III (<i>Poise-III</i>)	Dr. Muhammad Amir	<ul style="list-style-type: none"> ✓ General surgery-transamine based trial is sponsored by the Population Health Research Institute, Hamilton Health Sciences Corporation, Canada ✓ Recruitment closed at 92
Colchicine For the Prevention of Perioperative Atrial Fibrillation in Patients Undergoing Thoracic Surgery (<i>COP-AF</i>)	Dr. Muhammad Amir	<ul style="list-style-type: none"> ✓ Sponsored by Population Health Research Institute, Hamilton, Canada ✓ This trial is based on atrial fibrillation in patients undergoing thoracic surgery ✓ Final visit ongoing

Upcoming Trials		
Trial Name	Principal Investigator	Brief Summary
JUNTOP	Dr. Naveed Rashid	✓ Remdesivir analog COVID-19
HIPATTACK- II	Dr. Amir Nabi	✓ Orthopedic trial (hip fracture) ✓ Approval from National Bioethics Committee (NBC) and Drug Regulatory Authority of Pakistan (DRAP) is awaited
SCORPIO	Dr. Ejaz A Khan	✓ COVID-19 Treatment Trial ✓ Target of approx. 100 volunteers is proposed ✓ Clinical Trials Agreement (CTA) not signed yet
ALVOEYE	Dr. Amer Awan	✓ ARMD intravitreal injections in retina of older people ✓ Sponsored by ALVO tech laboratories, Switzerland
DEPOSITION	Dr. Asghar Nawaz	✓ Cardiac surgery-transamine ✓ Need to present in IRB and CTAC ✓ CTA signature pending
ASPIRE-AF	Dr. Saeed Ullah	✓ Will based on stroke after general surgery ✓ Need to present in IRB and CTAC ✓ CTA signature pending
JT001 (VV116)	Dr. Naveed Rashid	✓ COVID treatment- oral remdesivir

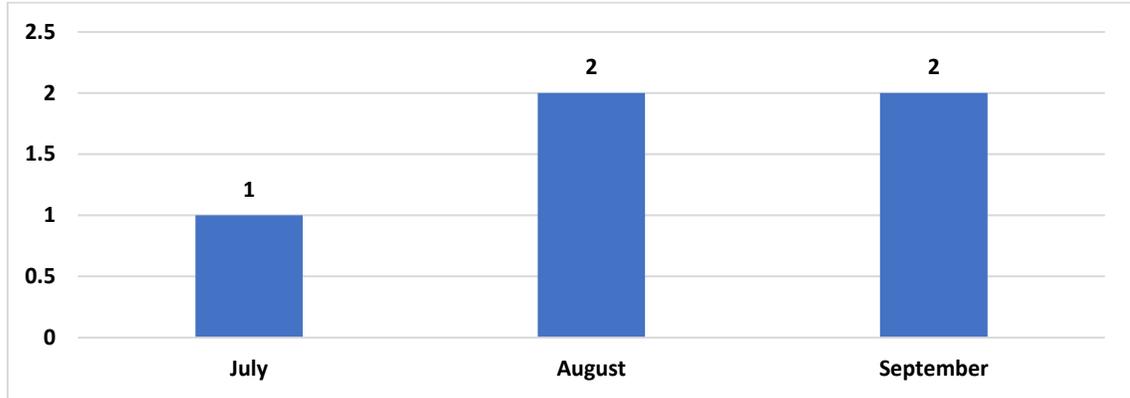
Training and Development



Overview of Training and Development

To enhance management professional's skill sets and productivity by providing customized capacity building training.

Number of Activities Conducted



Overview of the Activities

Foundations of Project Management - Course

In this short course participants explored the key concepts, which will underpin the basic concepts of Project Management. Through presentations, tasks and online discussions, participants explored about the Types of projects, Characteristics of a Project Manager and Project life cycle.

Tips for Teaching in small group sessions

In this webinar, Dr. Syeda Hanaa Fatima, Assistant Director ME, SIH, discussed the different strategies associated with the teaching participants in a small group session.

Medical First Responder (MFR):



Five training sessions on Medical First Responder (MFR) were conducted in the vulnerable areas of Baltistan as part of the project “Strengthening Community and Health System Disaster Preparedness in Vulnerable Areas of Gilgit-Baltistan”. It was developed locally and in response to community needs, and it included topics relevant to community workers as well as emergency nurses and doctors. It was a combination of small group discussions, power point presentations, and hands-on training for the

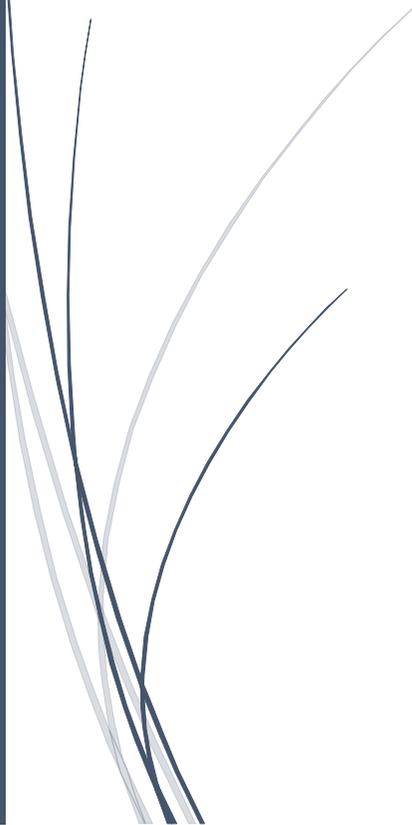
fundamental skills required to save lives.

Mass Casualty Management Plan (MCM):

Every citizen has the right to get healthcare, regardless of race, ethnicity, gender, or religion. Area should be included on this list as well because city inhabitants have easier access to medical care and more opportunities to do so locally than persons who live in rural regions. We must maintain and improve the infrastructure, recruit qualified personnel—whether medical professionals such as doctors, nurses, or paramedics—provide them with the most up-to-date tools, and create systems to facilitate the provision of high-quality treatment. We have been tasked with formulating the Mass Causality Management Plans under the leadership of Department of Emergency Medicine, Shifa International Hospitals Ltd (SIHL) for the seven different Government Health Facilities/Hospitals in Gilgit-Baltistan.



Life Support Trainings (LiST)



Overview of Life Support Trainings (LiST)

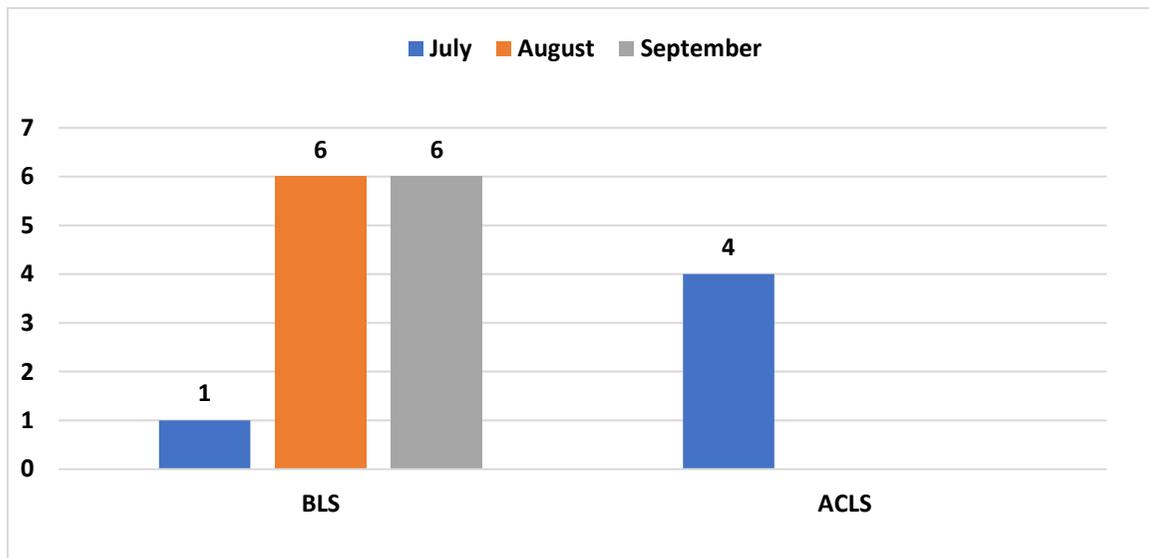
To improve patient care by providing high-quality life support training and education to enable healthcare providers to perform vital Emergency Cardiovascular Care (ECC) and Cardio Pulmonary Resuscitation (CPR).

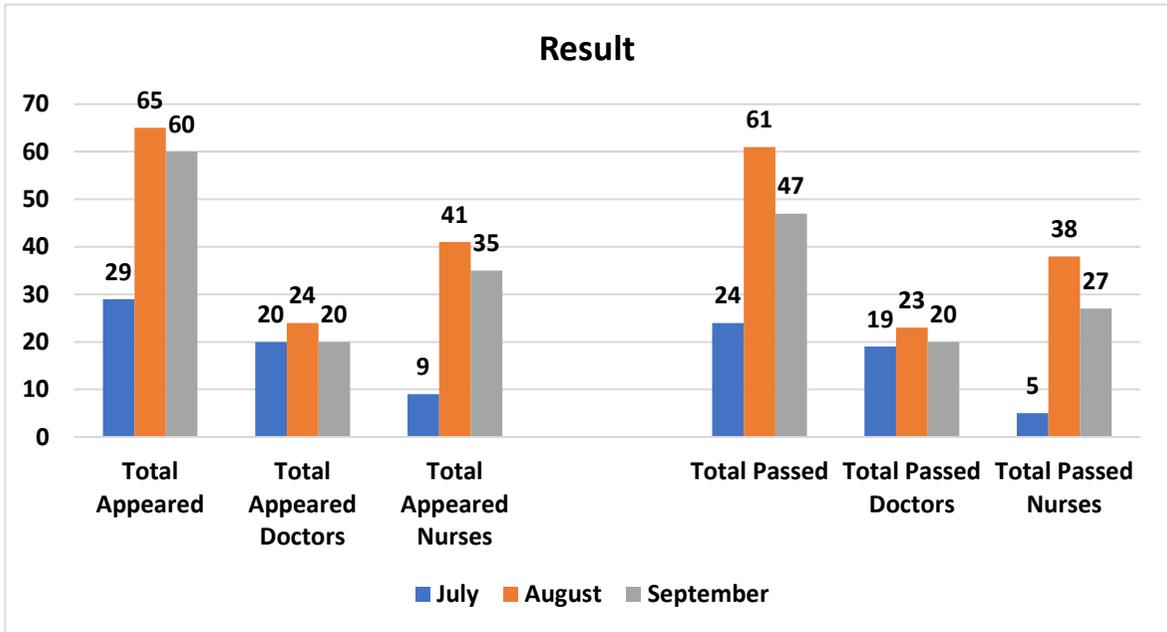
Shifa LiST Center (AHA Accredited International Training Center), organized the Basic Life Support Courses. These courses were attended by the healthcare providers (doctors and nurses) to enhance patient care by imparting critical Emergency Cardiovascular Care (ECC) and Cardio Pulmonary Resuscitation (CPR) education at the highest standards.



We achieved the accreditation for two years and become the 9th BLS Provider and 6th ACLS Provider (in process) in the country.

Number of Activities Conducted





Glimpses of Successful ACLS Monitoring & Admin Review





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