



INjury ReSEARCH

A NEWSLETTER FOR THE JHU-PAKISTAN FOGARTY INTERNATIONAL COLLABORATIVE TRAUMA AND INJURY RESEARCH TRAINING PROGRAM



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A message from the Program

Dear Colleagues,

Welcome to the exciting issue of the Johns Hopkins-Pakistan Fogarty International Trauma and Injury Research Training Program (JHU-Pakistan ICTIRT). The main goal of the program is to build a cadre of injury researchers in Pakistan through long-term fellowship opportunity. The program has trained 18 young researchers enrolled into various masters programs at the Aga Khan University (AKU) and Khyber Medical University (KMU). We hope that the diversity of the group will nurture injury and trauma research in Pakistan and the region.

It is a matter of pride for the program to see its alumni present their work at the Annual Emergency Medicine Conference (AEMC) hosted by the Department of Emergency Medicine (DEM), Aga Khan University on September 15 – 16, 2015. The AEMC 2015 focused on integration of clinical care and public health into emergency medicine in developing countries like Pakistan. The conference was attended by students, faculty, and representatives of government and non-governmental organizations. In addition, it provided our fellows from AKU and KMU with a unique opportunity to ex-

change their experience in injury research. Keep reading to find out more about AEMC 2015.

The program strives to provide short-term capacity development opportunities for researchers in Pakistan. This year we announced the second round of Small Grants Initiative with focus on HIV and Injury research in Pakistan. This initiative will support four studies which will look at various aspects of HIV and injury in the context of Pakistan. This work is instrumental in Pakistan due to lack of evidence in the area. We congratulate the awardees and look forward to their contribution to the field.

We thank our colleagues and partners who have worked with the program to develop a strong network of injury and trauma researchers in Pakistan. We look forward to hear from you and hope to collaborate with you in the field of injury and trauma research.

Thank you!

Adnan A. Hyder, MD MPH PhD
&
Junaid A. Razzak, MD PhD

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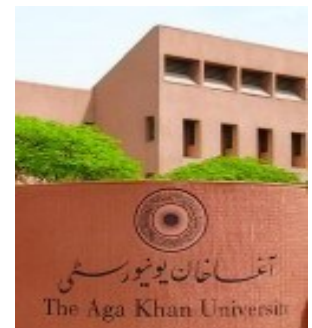
JHU-PAKISTAN ICTIRT SMALL GRANTS INITIATIVE

JHU-Pakistan ICTIRT and DEM - AKU announced the second round of Small Grants Initiative in 2015. The focus of the initiative was on HIV and Injury research in Pakistan. The objective of the program is to foster a research environment within AKU through inter-departmental collaboration in promoting HIV and injury research, an under researched area in Pakistan.

The Small Grants Initiative was specifically geared towards providing research support to the AKU junior faculty, fellows and masters level students. The funds available for a project were upto \$4000. Eligibility and selection of the grant applications were done by a peer-review group consisting of faculty from AKU and Johns Hopkins Bloomberg School of Public Health. The decision for

selection was made based on objectivity, novelty of the research theme, relevance to HIV and injury and trauma research.

Among numerous applications received for the Small Grants Initiative from different AKU departments, students and fellows, four projects were accepted. Out of the four proposals, three were from departments outside DEM - AKU, which included Department of Anesthesia and Department of Medicine. The topics of these selected projects include; knowledge and attitude of providers related to occupational exposure to HIV, pain management in HIV-infected trauma patients, use of trauma services by HIV and violence towards HIV patients.



Aga Khan University

ANNUAL EMERGENCY MEDICAL CONFERENCE 2015

The Department of Emergency Medicine (DEM) and Department of and Continuing Professional Education at the Aga Khan University (AKU), in collaboration with the Fogarty Johns Hopkins University - Pakistan International Collaborative Trauma and Injury Research Training (Fogarty JHU-PAK ICTIRT) program, organized the fourth Annual Emergency Medicine Conference (AEMC 2015) in Karachi, Pakistan. The conference was held on September 15 - 16, 2015. The theme of AEMC 2015 was Integrating Clinical Care & Public Health in Emergency Medicine. There were five pre-conference and three post-conference workshops.

The objectives of the conference were to highlight recent advances in emergency care that are also of public health significance, bridge the gap between emergency / acute care and community health, better resource utilization and to recognize challenges and create opportunities in successful integration of emergency medicine with public health. Dr. Asad I. Mian, Associate Professor, Department of Emergency Medicine was the chair of the AEMC 2015 organizing committee. Drs. Nadeem Ullah Khan and Uzma Rahim Khan, alumni of the program and DEM faculty, were the Co-Chairs of the organizing committee.



AEMC 2015 Organizing Committee with Guest Speakers

Drs. Junaid A. Razzak and Adnan A. Hyder (PIs Fogarty JHU-PAK ICTIRT) provided overall guidance in the conference program development and conducted key scientific sessions. In addition renowned national and international professionals delivered talks in the scientific sessions. Distinguished speakers included Dr. Christien van der Linden, Dr. Gabor Kelen, Mr. Johannes T. Kedzierski, Dr. Lubna Baig, Dr. Marcus Ong, Dr. Nick Brown, Dr. Saeed Qureshi, Dr. Yasmin Zaidi, Mr. Abdul Rashid, Mr. Ather Jamal, Dr. Abdus Salam Khan, Dr. Hasnain Zafar, Dr. Zafar Fatmi and many more. Drs. Seemin Jamali and Syed Muhammad Baqir, program alumni, were speakers at the conference.

Recent graduates of the program presented their thesis work. Fellows and faculty from the Khyber Medical University (KMU) attended the conference along with their AKU counterparts.



Panel discussion at AEMC 2015

The conference had a total of 35 talks in nine scientific sessions:

- Infectious disease emergencies: are we prepared?
- Violence against women: facts, laws and challenges
- Trauma emergencies: innovations and challenges
- Toxic hazards: what do we need to know?
- Cardiac and cerebrovascular emergencies
- Health systems for acute care: seeking synergies
- Addressing workplace violence in healthcare settings
- Quality and patient safety initiatives in emergency medicine
- Experience of heat-related emergencies in Karachi



KMU faculty and fellows

More than 700 participants including national and international emergency medicine specialists, physicians, medical students, nurses and public health professionals participated to review recent advances in emergency medicine.

SETTING-UP TRAUMA REGISTRIES

The workshop on “*Setting up trauma registries: from theory to practice*” was organized as a pre conference event of the Annual Emergency Medicine Conference (AEMC) 2015 on September 14, 2015 in the Department of Emergency Medicine (DEM) at the Aga Khan University (AKU). It was organized in collaboration with the Fogarty Johns Hopkins University - Pakistan International Collaborative Trauma and Injury Research Training (Fogarty JHU-PAK ICTIRT) program.

Dr. Amber Mehmood, Assistant Scientist, Johns Hopkins International Injury Research Unit, Johns Hopkins Bloomberg School of Public Health, USA facilitated the workshop. Drs. Madiha Azmat and Noman Ali, emergency medicine residents in DEM were co-facilitators of the workshop.

The objectives of the workshop were to give an overview of trauma registries, including the scope of registries, selection of variables and data collection platforms, standardization of information and scoring systems, main elements of successful implementation and maintaining confidentiality.

The full workshop was attended by 20 participants from various disciplines including emergency medicine, and community medicine as well as colleagues from public sector.

The workshop provided an opportunity for the participants to engage in conversation around the principles and consideration required for establishing trauma registry in low-and middle-income countries. It resulted in dialogue around the challenges of running and sustaining trauma registry in resource constraint settings.



Dr. Amber Mehmood with participants

RECOGNIZING CHILD ABUSE IN THE EMERGENCY DEPARTMENT

Recognizing abuse in children presenting to emergency department is a major challenge in many developing countries. One of the main reasons is lack of training of emergency care physicians in diagnosing such cases based on the history and subtle symptoms and signs. In this regard, a half a day workshop “*Recognizing child abuse in the emergency department: what do we understand from current research in the area and how can this affect clinical practice?*” was organized as a post conference event during the Annual Emergency Medicine Conference (AEMC) 2015 on September 17, 2015. The workshop was organized by the Department of Emergency Medicine (DEM) at the Aga Khan University (AKU) in collaboration with the Fogarty Johns Hopkins University - Pakistan International Collaborative Trauma and Injury Research Training (Fogarty JHU-PAK ICTIRT) program.

The main purpose of the workshop was to train the participants to recognize symptoms and signs of child abuse and improve their understanding based on the previous research done in the field of child abuse in Pakistan. The workshop was an opportunity for the participants to develop collaborations for developing policies related to management of cases of child abuse in AKU and other hospitals in Karachi and rest of the Pakistan.

The workshop was conducted by Dr. Nick Brow, Consultant Pediatrician, Salisbury District Hospital, UK and co-facilitated by Drs. Kayleigh Maul, Asad I. Mian and Uzma Rahim Khan. The workshop was attended by 23 participants and generated stimulating conversation around the topic.



Dr. Nick Brown responding to questions during the workshop



The JHU-Pakistan Fogarty International Collaborative Trauma and Injury Research Training (ICTIRT) Program is a partnership between the Johns Hopkins University Bloomberg School of Public Health (USA) and Aga Khan University (Pakistan) supported by a grant from the John E. Fogarty International Center of the National Institutes for Health, Department of Health and Human Services. The Fogarty Center's mission is to address the growing burden of morbidity and mortality in the developing world due to trauma and injury.

The long-range vision of the Johns Hopkins-Pakistan ICTIRT is to build human resources, research infrastructure and appropriate policies for acute care and prevention and control of injuries and trauma in Pakistan to serve not only the country but also the South Asian region and the Middle East as well.

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Johns Hopkins Bloomberg School of Public Health

www.jhsph.edu

JHU International Injury Research Unit:

www.jhsph.edu/iiru

Aga Khan University

www.aku.edu

Khyber Medical University

<http://www.kmu.edu.pk/>

Fogarty International Center:

www.fic.nih.gov

PUBLICATIONS

- Alonge O, **Khan UR**, Hyder AA. Our Shrinking Globe: Implications for Child Unintentional Injuries. *Pediatric clinics of North America*. 2016 Feb;63(1):167-81. PubMed PMID: 26613695.
- Mir MU, Bachani AM, Khawaja H, Afridi SQ, Ali S, Khan MM, **Jamali S**, Sumalani FA, Hyder AA, Razzak JA. The Pakistan National Emergency Department Surveillance Study (Pak-NEDS): Introducing a pilot surveillance. *BMC Emergency Medicine* 2015, 15(Suppl 2):S1) doi:10.1186/1471-227X-15-S2-S1
- **Khan NU**, Pérez-Núñez R, Shamim N, **Khan UR**, Naseer N, Feroze A, Razzak JA, Hyder AA. Intentional and unintentional poisoning in Pakistan: a pilot study using the Emergency Departments surveillance project. *BMC Emergency Medicine* 2015, 15(Suppl 2):S2) doi:10.1186/1471-227X-15-S2-S2
- Fayyaz J, Wadhvaniya S, Shahzad H, Feroze A, Zia N, Mir MU, **Khan UR**, Iram S, Ali S, Razzak JA, Hyder AA. Pattern of fall injuries in Pakistan: the Pakistan National Emergency Department Surveillance (Pak-NEDS) study. *BMC Emergency Medicine* 2015, 15(Suppl 2):S3) doi:10.1186/1471-227X-15-S2-S3
- He S, Lunnen JC, Zia N, **Khan UR**, Shamim K, Hyder AA. Pattern of presenting complaints recorded as near-drowning events in emergency departments: a national surveillance study from Pakistan. *BMC Emergency Medicine* 2015, 15(Suppl 2):S4) doi:10.1186/1471-227X-15-S2-S4
- **Khan UR**, Hisam B, Zia N, Mir MU, Alonge O, **Jamali S**, Hyder AA and Razzak JA. Uncovering the burden of intentional injuries among children and adolescents in the emergency department. *BMC Emergency Medicine* 2015, 15(Suppl 2):S6) doi:10.1186/1471-227X-15-S2-S6
- Khan IQ, **Khan NU**, Naeem R, **Kerai S**, Allen K, Zia N, Shahbaz S, Afridi SQ, Siddiqui E, **Khan UR**, Hyder AA, Razzak JA. Bomb blast injuries: an exploration of patient characteristics and outcome using Pakistan National Emergency Departments Surveillance (Pak-NEDS) data. *BMC Emergency Medicine* 2015, 15(Suppl 2):S7) doi:10.1186/1471-227X-15-S2-S7
- Zia N, Shahzad H, **Baqir SM**, Shaikat S, **Ahmad H**, Robinson C, Hyder AA, Razzak JA. Ambulance use in Pakistan: an analysis of surveillance data from emergency departments in Pakistan. *BMC Emergency Medicine* 2015, 15(Suppl 2):S9) doi:10.1186/1471-227X-15-S2-S9
- **Mehmood A**, He S, Zafar W, Baig N, Sumalani FA, Razzak JA. How vital are the vital signs? a multi-center observational study from emergency departments of Pakistan. *BMC Emergency Medicine* 2015, 15(Suppl 2):S10) doi:10.1186/1471-227X-15-S2-S10

SAVE THE DATE! SAFETY 2016

Safety 2016 - the 12th World Conference on Injury Prevention and Safety Promotion is scheduled from 18 - 21 September 2016. This year the conference is in Tampere, Finland. The main theme for the conference is "From research to implementation". Please visit conference website for more details (<https://www.thl.fi/en/web/injury-prevention/safety-2016/world-conference>)