



# 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 another exciting issue of the Johns Hopkins-Pakistan Fogarty International Trauma and Injury Research Training Program (JHU-Pakistan ICTIRT). Our program has been busy with a spectrum of training, research and capacity development activities. We are delighted to be working as a triumvirate of institutions – Johns Hopkins Bloomberg School of Public Health (JHSPH), Aga Khan University (AKU) and Khyber Medical University (KMU) - expanding our reach and work in Pakistan.

This newsletter reports on a major event for our grant – the 3rd Annual Emergency Medicine Conference – the annual national meeting of emergency medicine, trauma, injury and clinical professionals from around Pakistan and the region. This meeting was held on March 16, 2013 in Karachi, Pakistan and focused on pediatric emergency medicine – initiating a new dialogue within the country. The conference involved new developments, emerging research, and key policy initiatives in areas such as emergency care, disaster management systems, trauma care, public health approach to injury pre-

vention and child health. Nearly 400 colleagues and participants from the public, private and non-governmental health sectors from around Pakistan attended; and eight members of our program were able to attend. Special workshops were held on poisoning in children, child abuse and pediatric injuries. Our trainees and alumni played a prominent role at the national meeting, contributing upto 30 posters, and 9 oral presentations. Moreover, our alumna – Nadeem Ullah Khan – chaired the organizing committee!

The core objective of our program is to build a strong network of professionals and help develop sustainable research capacity on acute care of trauma and injuries and emergency medicine in Pakistan. We are delighted to have three new trainees join the first year of AKUs masters program in Epidemiology and Biostatistics; while our trainee from last year is planning to complete the program soon. Great start to 2013!

Stay safe!

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

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## SIRAN HE - EXPERIENCE AT AEMC 2013, KARACHI, PAKISTAN

Siran He has been associated with the Johns Hopkins International Injury Research Unit (JH-IIRU) for the past year. She has medical training from China and received her MSPH from the Johns Hopkins Bloomberg School of Public Health. She has worked with domestic and international health organizations, including the United Nations World Food Program, China CDC, a Sun Yat-Sen University-affiliated hospital, and the Baltimore City Health Department.

She attended the Annual Emergency Medicine Conference (AEMC) 2013 in Karachi, Pakistan along with the director (JH-IIRU), Dr. Adnan Hyder, and emergency response expert Dr. Courtland Robinson. This was her first visit to Pakistan.

At AEMC 2013, she presented the Global Childhood Unintentional Injury Surveillance (GCUIS) Phase I data at a post-AEMC WHO Violence and Injury Prevention workshop on child injury prevention.

She enjoyed local hospitality and had a great opportunity to meet and learn from the work of JHU - Pakistan ICTIRT alumni and trainees. She found AEMC 2013 sessions to be “inspiring and practical for young public health professional like myself”.

Siran works with JH-IIRU as Staff Research Assistant. She has also been actively involved with the JHU-Pakistan ICTIRT.



Siran with Drs. Hyder and Robinson

## ANNUAL EMERGENCY MEDICINE CONFERENCE, MARCH 2013

The Department of Emergency Medicine (DEM) at (AKU), in collaboration with the Fogarty JHU-PAK ICTIRT program, organized the third Annual Emergency Medicine Conference, AEMC 2013, held on March 16, 2013. The theme of AEMC 2013 was Emergency Care for Children. In collaboration with different national and international experts, eight pre- and post-conference workshops were also conducted. The workshop was attended by national participants from institutions and hospitals all over Pakistan.

The conference provided an opportunity for emergency physicians, public health professionals, policy makers and students to discuss the latest advances in Pediatric Emergency Medicine (PEM) and highlighted the health system challenges and research and training needs for PEM in Pakistan. The conference also helped in building national and international collaborations to enhance the development of Pediatric Emergency Medicine as a distinct specialty in Pakistan.

Around 400 participants from all over Pakistan attended the conference and learnt from pediatric emergency care experts from Pakistan as well as United States, Canada, Oman, and Kingdom of Saudi Arabia.

A total of 30 posters were presented at the conference with 9

oral presentations. The selected abstracts were published in a special supplement of Journal of Pakistan Medical Association. Dr. Nadeem Ullah Khan chaired the organizing committee. AEMC 2013 was live telecasted to three sites in Afghanistan: the French Medical Institute of Children (FMIC) in Kabul, Faizabad, and Bamiyan. It was also broadcast in Kenya (Nairobi), and Tanzania (Darussalam).



*AEMC 2013 Organizing Committee with Guest Speakers*

## SHORT COURSE ON PREVENTION OF CHILD INJURY, MARCH 2013

A two-day short course on Prevention of Child Injury was conducted on March 17 - 18, 2013. The course was based on the World Health Organization (WHO) Violence and Injury Prevention course on injury prevention. The purpose of this course was to describe the prevention of child injury from a global perspective. It provides an overview of injury as a public health problem, the burden of child injury and the challenges and opportunities to implement strategies to prevent child injury.

A total of 25 participants from Karachi, Islamabad, Peshawar, Lahore, Umerkot and Sukkur attended the course. This course was accredited 12 CME hours by the Department of Continuing Professional Education (DCPE) of the AKU. The DCPE is accredited by the American Academy of Continuing Medical Education (AACME) to provide continuing medical education for physicians and takes responsibility for the content, quality and scientific integrity of this CME activity.

The course was divided into different topics including introduction to child injury, burden of child injury, injury prevention methodology and approaches, injury scoring, summary measures, burns, fall, road traffic injuries and drowning. Participants were provided the reading material for the entire course.

The course involved interactive discussion session and individual and group activities.

Dr. Uzma Rahim Khan of JHU - Pakistan ICTIRT organized the course while other speakers included Drs. Amber Mehmood, Junaid Razzak, Adnan Hyder and Dr. Siran He.



*Facilitators with workshop participants*

## INTRODUCING NEW FELLOW - HASANA QADRI

Hasana Qadri graduated in 2010 with Doctor of Pharmacy from the University of Karachi, Pakistan. During her graduate studies, Dr. Qadri participated in many research activities related to clinical trials, adverse drug reactions, patient safety and oral coagulants. She was also involved in pre-clinical animal-based research in pharmacology.

While a student, she took different courses on creating various disease models in animals related to depression, epilepsy, inflammation and pain along with the study designs particularly related to clinical trials. Such courses have provided her with a strong footing in the theoretical concepts

of clinical research. Later in 2010, she started her professional career at Department of Pharmacy, AKU as a pharmacist. Her experience at the Drug and Poison Information Center got her interested in poisoning prevention.

Under Fogarty Johns Hopkins University – Pakistan International Collaborative Trauma and Injury Research Training Program, she would like to pursue the area of injury prevention particularly developing poison control center and measuring impact on decreasing morbidity and mortality associated with poisoning. Research has always been of interest to her.



*Hasana Qadri*

## INTRODUCING NEW FELLOW - KHAULA KHATLANI

Khaula Khatlani is a graduate of Dow Medical College, Karachi. She received her General Surgery training in the United States and also worked as a research fellow at University of Pennsylvania and Wayne State University, USA and Duke-NUS Medical College in Singapore. Her surgical training and research work provided her with a unique appreciation of the importance of preventive care for the severely injured and critically ill patients.

She is specifically interested in prevention of trauma in pregnant women. As part of her masters in Epidemiology and Biostatistics at AKU, she plans to look at the association between intimate

partner violence during pregnancy and stillbirths. Intimate partner violence is a serious public health issue which effects a large number of women worldwide. Pregnant women who are abused are at risk of having poor birth outcomes such as preterm births, low birth weight and miscarriages. However, studies exploring the relationship of violence with stillbirths are limited.

The Fogarty Johns Hopkins University – Pakistan International Collaborative Trauma and Injury Research Training Program will provide her the platform to conduct this study as part of her Masters thesis. She wishes to pursue a career as a clinician scientist.



*Khaula Khatlani*

## INTRODUCING NEW FELLOW - SALIMA KERAI

Salima Kerai received her Bachelors in Nursing (BSN) from AKU in 2006. While a student, she was on the Dean's honor roll and received distinctions in Mental Health Nursing, Community Health Nursing, Nursing Research and Adult Health Nursing. Since 2009, she has been a member of Sigma Theta Tau, an international honor society.

She worked as a registered nurse in the Bone Marrow Transplantation Unit at AKU Hospital before joining the Masters of Epidemiology and Biostatistics program at AKU. She has conducted various community based workshops and health awareness programs and has also presented her

work at various scientific meetings.

Through Fogarty Johns Hopkins University – Pakistan International Collaborative Trauma and Injury Research Training Program she intends to explore various dimensions of trauma and injury in the context of developing country like Pakistan. Her specific interest is to evaluate the mental health aspect of trauma survivors and of their caregiver. She will look at the burden of post-traumatic stress disorder in trauma care providers in Karachi and its impact on their work performance. The goal is to identify high risk people and direct resources towards providing psychological support to them.



*Salima Kerai*



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 of 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.

#### VISIT US AT

#### JHU International Injury Research Unit:

[www.jhsph.edu/iiru](http://www.jhsph.edu/iiru)

#### JHU Injury Center:

[www.jhsph.edu/injurycenter](http://www.jhsph.edu/injurycenter)

#### Aga Khan University

[www.aku.edu](http://www.aku.edu)

#### Khyber Medical University

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

#### Fogarty International Center:

[www.fic.nih.gov](http://www.fic.nih.gov)

## RECENT PUBLICATIONS

Fayyaz J, Khurshheed M, Mir MU, **Mehmood A**. Missing the boat: odds for the patients who leave ED without being seen. *BMC Emergency Medicine*. 2013;13:1. Epub 2013/01/18.

Golshan A, Patel C, **Hyder AA**. A systematic review of the epidemiology of unintentional burn injuries in South Asia. *Journal of Public Health*. 2013. Epub 2013/01/17.

Wesson HK, **Bachani AM**, Mtambeka P, Schulman D, Mavengere C, **Stevens KA**, et al. Pediatric burn injuries in South Africa: A 15-year analysis of hospital data. *Injury*. 2013. Epub 2013/02/19.

**Khan NU**, **Khan UR**, Ejaz K, Ahmad H, Zia N, **Razzak JA**. Intubation in Emergency Department of a Tertiary Care Hospital in a Low-Income Country. *Journal of Pakistan Medical Association*. 2013 63(3):306

**Hyder AA**, **Razzak JA**. The challenges of injuries and trauma in Pakistan: An opportunity for concerted action. *Public Health*. 2013. Epub 2013/03/16.

**Chandran A**, **Khan UR**, Zia N, Feroze A, de Ramirez SS, Huang CM, et al. Disseminating childhood home injury risk reduction information in Pakistan: results from a community-based pilot study. *International Journal of Environmental Research and Public Health*. 2013;10(3):1113-24. Epub 2013/03/19

**Khan UR**, Bhatti JA, Zia N, Farooq U. School-based injury outcomes in children from a low-income setting: results from the pilot injury surveillance in Rawalpindi city, Pakistan. *BMC Research Notes*. 2013;6:86. Epub 2013/03/21.

**Mehmood A**, **Razzak JA**, Kabir S, Mackenzie EJ, **Hyder AA**. Development and pilot implementation of a locally developed Trauma Registry: lessons learnt in a low-income country. *BMC Emergency Medicine*. 2013;13:4. Epub 2013/03/23

Bhatti JA, Khoso AK, Waseem H, **Khan UR**, **Razzak JA**. Variations in sub-national road traffic fatality trends in a low-income country. *International Journal of Critical Illness and Injury Science*. 2013;3(1):25-30. Epub 2013/06/01

Khurshheed M, **Khan UR**, Ejaz K, Fayyaz J, Qamar I, **Razzak JR**. A comparison of WHO guidelines issued in 1997 and 2009 for dengue fever — single centre experience. *Journal of Pakistan Medical Association*. 2013 63(6): 670