



5th AKU Annual Surgical Conference

# Trauma

**STRIVING FOR CHANGE**

14–16 February 2020 | Aga Khan University

# Conference Booklet

## About the 5th AKU Annual Surgical Conference

Injury kills more people every year than HIV, TB and malaria combined, and the overwhelming majority of these deaths occur in low- and middle-income countries.

The 5th AKU Annual Surgical Conference will focus on how these precious lives can be saved by following a systematic approach for improving trauma care, training and research. The theme of the conference is 'Trauma: Striving for Change'.

Organised by the Aga Khan University Medical College's Department of Surgery – in collaboration with anaesthesiology and emergency medicine departments, and AKU's School of Nursing & Midwifery – from February 14–16, 2020 in Karachi, Pakistan, the conference will bring together national and international experts with expertise in pre-hospital care, mass casualty, rehabilitation, prevention and disaster management.

The participants will be able to:

- acquire an understanding of surgical care of trauma patients, pre-hospital management and rehabilitation.
- understand delivery of quality care in the context of resource limitation, acquire an increased understanding of the complexities of trauma care including support for families, resource constraints, discharge planning, rehabilitation and prevention of trauma.
- attend hands-on training in many pre conference workshops and courses.
- get an opportunity to interact and network with leading professionals, promote research ideas, share creative and innovative strategies whilst attending several plenary sessions and workshops.

For more information, please visit the event website [www.aku.edu/aasc](http://www.aku.edu/aasc) or contact:

Department of Surgery  
Aga Khan University, Karachi, Pakistan  
Tel: +92 21 3486 4374 / 3486 4759  
Email: [surgery.events@aku.edu](mailto:surgery.events@aku.edu) / [surgery@aku.edu](mailto:surgery@aku.edu)

## Acknowledgment



ROYAL COLLEGE OF  
PHYSICIANS AND  
SURGEONS OF GLASGOW

*in support of education for  
international Fellows and Members*



## Message from the Chair, Department of Surgery



**Syed Ather Enam**

I welcome all the national and international participants to the 5<sup>th</sup> AKU Annual Surgical Conference of the Aga Khan University, Karachi. The AKU Annual Surgical Conferences has provided the Aga Khan University, particularly the Department of Surgery, a platform to maintain its reputation as regional academic leaders.

While we've made significant progress in medical care on a global scale, our progress in terms of trauma management has been rather stunted. When discussing the expanse of trauma care, one cannot avoid mentioning the value of its multimodal nature, and the variety of personnel involved in its care. AKU is ideally positioned to create an impact in trauma care in a low-middle-income region of the world. Our focus is on how to develop, policies, processes and guidelines to save precious lives of trauma victims by following a systematic approach for improving trauma care, training and research. That's why this year's theme of the conference is 'Trauma: Striving for Change'. The goal of this conference is to understand these issues and come up with concrete steps that can be implemented within tight timeframes after the conference. A conference is meaningless if it does not lead us to practical steps.

The care for trauma victims begins before the hospital, often in the absence of any trained professional. This is also the golden period to minimise further insult to the patient. The way forward is to keep community and stakeholders involved and educate not only the caretakers but also train the masses to be able to help each other. Members of the community must be brought forth as 'first-responders' and provided with proper training. A good example of this is the American College of Surgeons' 'Stop the Bleed' initiative, which as of September 2019 has trained over a million individuals as 'immediate responders' to assist patient care, until professional help can arrive.

The Centre of Excellence for Trauma and Emergencies (CoE-T&E) at AKU was approved for commissioning in August 2019. The CoE-T&E will launch its flagship programme Pakistan Life Savers Programme (PLSP) in this conference. PLSP aims to train 10 million Pakistanis in life-saving skills of CPR and bleeding control. The figure of ten million trained bystanders will ensure that 5% of Pakistan's population (1 in 20) is trained. We plan to initiate this programme in Karachi and Islamabad and subsequently, through sustained efforts and partnerships, reach out to all major cities of Pakistan. PLSP will target Pakistani youth (high school, college and university students) as life savers. This will be achieved through partnership with key stakeholders in health and education sector.

I am thankful to all the guests who have gathered here upon our invitation. I must also thank our collaborating partners and contributors who have helped make this event possible. Please join me in congratulating the Organizing Committee for this herculean effort.

**S. Ather Enam, S.I.**

MD, PhD (USA), FRCS (Ire), FRCS (Can, SN), FRCS (Glas), FACS (USA)

(Diplomate American Board of Neurological Surgeons)

Professor of Neurosurgery

Chair, Department of Surgery

Aga Khan University, Karachi



## Message from the Chair, Organising Committee



**Hasnain Zafar**

As chair of the 5<sup>th</sup> AKU Annual Surgical Conference, it is my pleasure to welcome all the faculty, trainees, students, nurses, midwives, and health care professionals from across Pakistan and the World.

The 5<sup>th</sup> AKU Annual Surgical Conference will focus on how these precious lives can be saved by following a systematic approach for improving trauma care, training and research. The theme of the conference is 'Trauma: Striving for Change'.

The Journal of Pakistan Medical Association (JPMA), has published a special supplement on the conference with 27 papers on trauma.

The scientific programme is intense, inclusive, more exciting and informative and includes talks by national and international experts. We will have the opportunity to learn from and interact with this diverse of experts. We hope to create many opportunities for networking and collaboration.

This year, we have 15 pre-conference workshops and courses, which will be held at AKU's Centre for Innovation in Medical Education (CIME) and School of Nursing and Midwifery. These workshops is a great learning as well as networking opportunity for participants, especially postgraduate residents. All workshops, courses and scientific sessions are accredited by the AACME.

I appreciate the many hours of work by members of the organising committee and scientific, workshop, finance, publications, communication and inauguration sub-committees, and workshop coordinators. This exercise would be meaningless without the passion and involvement of our collaborating Departments of Emergency Medicine and Anaesthesia and the School of Nursing and Midwifery. Last, but certainly not least, one cannot conclude anything on this conference without mentioning the tremendous help and input by our administrative staff, Shariff Charania.

We look forward to welcoming you all and we hope you will take an active participation in the 5<sup>th</sup> AKU Annual Surgical Conference.

**Dr. Hasnain Zafar**

MBBS, FRCS, FACS

Associate Professor, Surgery

Service line Chief, GI and Surgery

Chair, 5<sup>th</sup> AKU Annual Surgical Conference

Department of Surgery

Aga Khan University, Karachi

## Conference Team

### Patrons

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**Adil Haider**  
Professor, Surgery  
Dean, Medical College, AKU



**Syed Ather Enam**  
Professor, Neurosurgery  
Chair, Department of Surgery

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### Organizing Committee



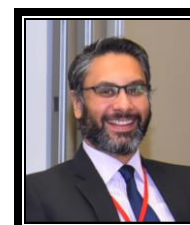
**Hasnain Zafar**  
Chair, Organizing Committee  
Associate Professor, General Surgery



**Masood Umer**  
Co-Chair, Organizing Committee  
Associate Professor, Orthopaedics



**Shahzad Shamim**  
Chair, Scientific Committee  
Associate Professor, Neurosurgery



**Amir Shariff**  
Co-Chair, Scientific Committee  
Assistant Professor, General Surgery



**Nadeem Siddiqui**  
Chair, Workshop Committee  
Assistant Professor, Vascular Surgery



**Sana Zeeshan**  
Co-Chair, Workshop Committee  
Assistant Professor, Breast Surgery

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**Rehan Nasir Khan**

Chair, Publication Committee  
Senior Instructor, Urology



**Mahim Malik**

Co-Chair, Publication Committee  
Assistant Professor, Cardiothoracic Surgery



**Saqib Qazi**

Chair, Communication Committee  
Assistant Professor, Paediatric Surgery



**Fazl ur Rahman**

Chair, Exhibition Committee  
Assistant Professor, Plastic Surgery



**Gulzar S. Lakhani**

Conference Administrator  
Senior Administrator & Lecturer, Surgery



**Murad Bana**

Conference Secretary  
Associate, Surgery



**Shariff Charania**

Conference Secretary  
Associate, Surgery

## Committee Members

### Organizing Committee Members

Hasnain Zafar, Chair, Organizing Committee, Associate Professor, General Surgery  
Masood Umer, Co-Chair, Organizing Committee, Associate Professor, Orthopaedics  
Sadaf Khan, Associate Professor, General Surgery  
Hasanat Sharif, Professor, Cardiothoracic Surgery  
Hammad Ather, Professor, Urology  
Tabish Chawla, Associate Professor, General Surgery  
Fahad Umer, Assistant Professor, Dentistry  
Fazl ur Rahman, Assistant Professor, Plastic Surgery  
Moghira Iqbal, Assistant Professor, Otolaryngology  
Aneela Darbar, Consultant, Neurosurgery  
Sharmeen Akram, Assistant Professor, Ophthalmology  
Haroon Tayyab, Assistant Professor, Ophthalmology  
Muhammad Akbar Baig, Senior Instructor, Emergency Medicine  
Rashid Aqeel, Instructor, Emergency Medicine  
Rozina Khimani, Nurse Manager  
Sabah Saqib, Fellow, Trauma Surgery  
Faizan Javed, Resident, Dentistry  
Gulzar S. Lakhani, Senior Administrator & Lecturer, Surgery  
Murad Bana, Associate, Surgery  
Shariff Charania, Associate, Surgery

### Scientific Committee Members

Shahzad Shamim, Chair, Scientific Committee, Associate Professor, Neurosurgery  
Amir Shariff, Co-Chair, Scientific Committee, Assistant Professor, General Surgery  
Lubna Samad, Consultant, The Indus Hospital, Karachi  
Junaid Razzak, Professor, Johns Hopkins University, USA  
M. Talha Rehman, Manager, Centre of Excellence for Trauma Emergency

### Publication Committee Members

Rehan Nasir Khan, Chair, Publication Committee, Senior Instructor, Urology  
Mahim Malik, Co-Chair, Publication Committee, Assistant Professor, Cardiothoracic Surgery  
Gulzar S. Lakhani, Senior Administrator & Lecturer, Surgery  
Nida Zahid, Senior Instructor, Research, Surgery  
Syed Shahabuddin, Assistant Professor, Cardiothoracic Surgery  
Rashna Aga, Assistant Professor, Dentistry  
Yasir Mohib, Senior Instructor, Orthopaedics  
Qamar Riaz, Senior Instructor, Education Development and Surgery  
Shiraz Hashmi, Senior Instructor, Research, Surgery  
Ghulam Murtaza, Visiting Faculty, Research, Surgery



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### **Workshop Committee Members**

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Nadeem Siddiqui, Chair, Workshop Committee, Assistant Professor, Vascular Surgery  
Sana Zeeshan, Co-Chair, Workshop Committee, Assistant Professor, Breast Surgery

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### **Communications Committee Members**

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Saqib Qazi, Chair, Communications Committee, Assistant Professor, Paediatric Surgery  
Sharmeen Akram, Assistant Professor, Ophthalmology  
Aneela Darbar, Consultant, Neurosurgery  
Rasool Sarang, Senior Manager, Communications

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### **Inaugural Committee Members**

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Nadeem Siddiqui, Assistant Professor, Vascular Surgery  
Syed Ather Enam, Professor, Neurosurgery

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### **Sponsorship Committee Members**

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Fazl ur Rahman, Chair, Exhibition Committee, Assistant Professor, Plastic Surgery  
Masood Umer, Associate Professor, Orthopaedics  
Shahid Sami, Consultant, Cardiothoracic Surgery  
Tabish Chawla, Associate Professor, General Surgery

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### **Students - Surgery Interest Group (SIG)**

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Muhammad Ali, Medical Student, Class of 2020  
Shahmir Chauhan, Medical Student, Class of 2020  
Ayesha Noor, Medical Student, Class of 2020  
Asma Merchant, Medical Student, Class of 2021  
Mussab Munir, Medical Student, Class of 2021  
Maheen Mansoor, Medical Student, Class of 2021  
Ayesha Memon, Medical Student, Class of 2021  
Aun Muhammad, Medical Student, Class of 2021  
Manzar Abbas, Medical Student, Class of 2022  
Areesh Bhatti, Medical Student, Class of 2022  
Ali bin Abdul Jabbar, Medical Student, Class of 2022  
Ronika Devi Ukrani, Medical Student, Class of 2022  
Muhammad Abdullah Javed, Medical Student, Class of 2022  
Shafi Ullah, BScN Student, Class of 2021

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## Speakers

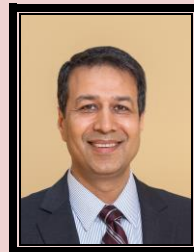
### Orations

#### *Abu al-Qasim al-Zahrawi Oration*



**Eileen Bulger**  
Professor, Surgery  
University of Washington, USA

#### *Ali al-Ḥusayn Ibn-e-Sina Oration*



**Hasan Badre Alam**  
Professor, Surgery  
University of Michigan, USA

### International Faculty



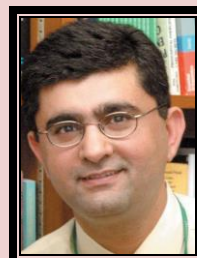
**Ai-Xuan Le Holterman**  
Professor, Pediatric Surgery  
University of Illinois, College of Medicine, USA



**Amber Mehmood**  
Associate Director, Trauma & Emergency Care  
Systems, Johns Hopkins International Injury  
Research Unit, USA



**Bryan McNally**  
Professor, Emergency Medicine  
Emory University, USA



**Junaid Razzak**  
Professor, Emergency Medicine  
Johns Hopkins University, USA



**Khalid Siddiqui**

Chairman and Medical Director  
Emergency Department, Winter Haven Hospital,  
USA



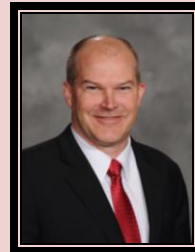
**Muhammad Ali Chaudhary**

Research Scientist  
Harvard Medical School, USA



**Nico Risko**

Assistant Professor, Emergency Medicine  
Johns Hopkins School of Medicine, USA



**Paul D. Kivela**

Clinical Professor, Emergency Medicine  
University of Alabama, USA



**Peter John Stevenson**

Global Coordinator, Aga Khan Agency for Habitat  
Dushanbe, Tajikistan



**Zohra Mhamdi**

Health Coordinator  
International Committee of the Red Cross (ICRC)

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## Online International Faculty



**Diego Martinez**

Assistant Professor, Emergency Medicine  
Johns Hopkins School of Medicine, USA



**Matthew J. Levy**

Associate Professor, Emergency Medicine  
Johns Hopkins School of Medicine, USA

## National Faculty

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**Amer Aziz**

Professor, Orthopaedic Surgery  
Ghurki Trust Teaching Hospital, Lahore



**Amir Haleem**

Head, Trauma Orthopaedic Surgery  
Shaheed Mohtarma Benazir Bhutto Trauma  
Centre, Karachi



**Lal Rehman**

Consultant, Neurosurgeon  
Jinnah Post Graduate Medical Center, Karachi



**Lieutenant General Muhammad Afzal**

Chairman, National Disaster Management  
Authority (NDMA)



**Mohammad Tariq Khan**

Professor, Neurosurgery  
Northwest General Hospital & Research Center  
Peshawar



**Mumtaz Maher**

Consultant, General Surgery  
South City Hospital, Karachi



**Nadeem Khurshidi**

Consultant General Surgery  
Liaquat National Hospital, Karachi



**Rashid Jooma**

Professor, Neurosurgery  
Aga Khan University, Karachi



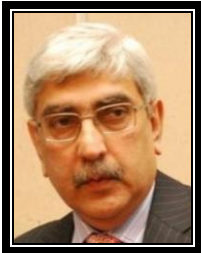
**Rizwan Naseer**

Founder & Director General  
Punjab Emergency Service (Rescue 1122)



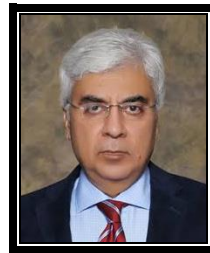
**Sadaf Khan**

Associate Professor, General Surgery  
Aga Khan University, Karachi



**Saeed Qureshi**

Professor & Vice Chancellor  
Dow University of Health Sciences, Karachi



**Salman Faridi**

General Surgeon and Medical Director  
Liaquat National Hospital, Karachi



**Salman Shariff**

Professor, Neurosurgery  
Liaquat National Hospital, Karachi



**Seemin Jamali**

Head, Emergency Department  
Jinnah Postgraduate Medical Centre, Karachi



## **Pre-Conference Workshops & Seminars**

**Thursday & Friday, February 13-14, 2020**

**Venue:**

**Centre for Innovation in Medical Education (CIME)  
and School of Nursing & Midwifery (SONAM)  
Aga Khan University, Karachi**

### **CME Activity # 1**

**Title:** Workshop on Emergency Thoracotomy  
**Day/Date:** Friday February 14, 2020  
**Venue:** Learning Space 1A & B, CIME  
**Time:** 9:00am to 1:00pm  
**Coordinator:** Mahim Malik, Assistant Professor, Cardiothoracic Surgery

### **CME Activity # 2**

**Title:** Workshop on Tube Thoracostomy (Chest Tube Insertion)  
**Day/Date:** Friday February 14, 2020  
**Venue:** Learning Space 1A & B, CIME  
**Time:** 2:00pm to 5:00pm  
**Coordinator:** Syed Shahabuddin, Assistant Professor, Cardiothoracic Surgery

### **CME Activity # 3**

**Title:** Basic Maxillofacial Trauma Fixation Course  
**Day/Date:** Friday February 14, 2020  
**Venue:** Class Room # 5, School of Nursing  
**Time:** 9:00am to 3:00pm  
**Coordinator:** Humayun Kaleem Siddiqui, Senior Instructor, Dentistry

### **CME Activity # 4**

**Title:** Workshop on Surgical Airway Management  
**Day/Date:** Friday February 14, 2020  
**Venue:** Workshop 1A, 1<sup>st</sup> Floor, CIME  
**Time:** 9:00am to 1:00pm  
**Coordinator:** Syed Akbar Abbas, Assistant Professor, Otolaryngology

### **CME Activity # 5**

**Title:** Pediatric Acute Surgical Support (PASS) Course  
**Day/Date:** Friday February 14, 2020  
**Venue:** Workshop 1B, 1<sup>st</sup> Floor, CIME  
**Time:** 2:00pm to 5:00pm  
**Coordinators:** Saqib Qazi, Assistant Professor, Pediatric Surgery  
Sohail Dogar, Senior Instructor, Pediatric Surgery

### **CME Activity # 6**

**Title:** Workshop on ICP Monitoring  
**Day/Date:** Friday February 14, 2020  
**Venue:** Class Room # 10, School of Nursing  
**Time:** 9:00am to 1:00pm  
**Coordinator:** Shahzad Shamim, Associate Professor, Neurosurgery

### **CME Activity # 7**

**Title:** Advanced Spine Trauma Workshop  
**Day/Date:** Friday February 14, 2020  
**Venue:** Class Room # 2a & 2b, School of Nursing  
**Time:** 2:00pm to 5:00pm  
**Coordinator:** Aneela Darbar, Consultant, Neurosurgery

### **CME Activity # 8**

**Title:** Workshop on Focused Ultrasound in Trauma  
**Day/Date:** Friday February 14, 2020  
**Venue:** Conference Room, Ground Floor, CIME and PBL Rooms # 10 & 11  
**Time:** 9:00am to 2:00pm  
**Coordinator:** Faisal Shamim, Associate Professor, Anaesthesiology  
M Faisal Khan, Assistant Professor, Anaesthesiology

### **CME Activity # 9**

**Title:** Emergency Vascular Surgery Skills Course for Non-Vascular Surgeons  
**Day/Date:** Friday February 14, 2020  
**Venue:** Debriefing Room, Ground Floor, CIME and Skills Lab, SON  
**Time:** 9:00am to 5:00pm  
**Coordinator:** Zia ur Rahman, Assistant Professor, Vascular Surgery

### **CME Activity # 10**

**Title:** Hand and Brachial Plexus Injuries Course  
**Day/Date:** Friday February 14, 2020  
**Venue:** Dr. J. Fraser Mustard Auditorium, SON and PBL Rooms # 6 to 9  
**Time:** 9:00am to 5:00pm  
**Coordinators:** Fazl ur Rahman, Assistant Professor, Plastic Surgery

### **CME Activity # 11**

**Title:** Workshop on Trauma Operative Management – What A General Surgeon Needs to Know  
**Day/Date:** Friday February 14, 2020  
**Venue:** School of Nursing Auditorium  
**Time:** 11:00am to 4:00pm  
**Coordinators:** Amir Shariff, Assistant Professor, General Surgery  
Sabah Saqib, Fellow, Trauma Surgery

### **CME Activity # 12**

**Title:** Workshop on Surgery Olympics for Medical Students  
**Day/Date:** Friday February 14, 2020  
**Venue:** Multipurpose Educational Hall B, CIME and PBL Rooms # 1 to 4  
**Time:** 9:00am to 1:00pm  
**Coordinator:** Surgery Interest Group - (Medical Students, AKU)



### **CME Activity # 13**

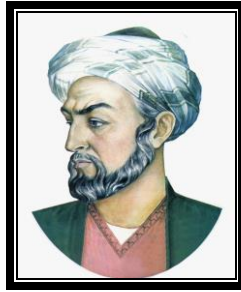
**Title:** Workshop on Setting up Trauma Registries - A practical step-by-step guide  
**Day/Date:** Friday February 14, 2020  
**Venue:** Debriefing Room Ground Floor, CIME  
**Time:** 9:00am to 5:00pm  
**Coordinators:** Amber Mehmood, Associate Director, Trauma & Emergency Care Systems, Johns Hopkins International Injury Research Unit, USA

### **CME Activity # 14**

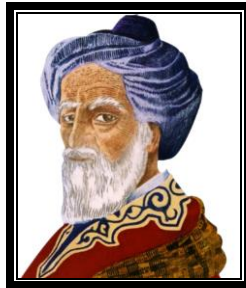
**Title:** Workshop on Mastering the Art of Advanced Trauma Care: The Critical Decision Making Approach  
**Day/Date:** Thursday & Friday February 13-14, 2020  
**Venue:** Multipurpose Educational Hall A, & Ward Area, CIME  
**Time:** 9:00am to 5:00pm  
**Coordinators:** Rashid Aqeel, Instructor, Emergency Medicine

### **CME Activity # 15**

**Title:** Workshop on Primary Trauma Care (PTC)  
**Day/Date:** Thursday & Friday February 13-14, 2020  
**Venue:** Anatomy and Surgery Learning Studio (ASLS)  
**Time:** 9:00am to 5:00pm  
**Coordinator:** Rashid Jooma, Professor, Neurosurgery



**Ali al-Ḥusayn Ibn-e-Sina**, also known as Avicenna was a Persian polymath who is regarded as one of the most significant thinkers and writers of the Islamic Golden Age. Regarded as the Father of Medicine, his most famous works are *The Book of Healing* – a philosophical and scientific encyclopaedia, and a five-volume medical encyclopaedia: *The Canon of Medicine* which became a standard medical text at many universities and remained in use as late as 1650. Besides philosophy and medicine, Avicenna's corpus includes writings on astronomy, alchemy, geography and geology, psychology, Islamic theology, logic, mathematics, physics and poetry.



**Abu al-Qasim al-Zahrawi**, also known as Albucasis, is considered the Father of Surgery. His outstanding contribution to medicine is his encyclopaedic work *The Kitab Al-Tasrif*, a long and detailed work in thirty treatises. The book contains the earliest pictures of surgical instruments and of all the contents of this landmark publication, the part on surgery became the most famous and had by far the greatest influence. In it, he developed all aspects of surgery and its various branches, including ophthalmology, ear, nose, and throat, head and neck, general surgery, obstetrics and gynaecology, military medicine, urology, and orthopaedics. This was a standard text well into the 1700s and was taught to medical students at major universities in Europe until the late 1800s.

## **Inaugural Ceremony**

**Friday, February 14, 2020**

**05:30pm - 07:45pm**

**Venue:**

**Aga Khan University Auditorium, Karachi**

## **Inaugural Ceremony**

**Friday, February 14, 2020**

**05:30pm - 07:45pm**

**Venue: AKU Auditorium**

### **Programme**

05:30pm - 05:35pm

**Welcome Address by Chair, Department of Surgery, AKU**

Syed Ather Enam

05:35pm - 05:40pm

**Address by Vice Provost, AKU**

Anjum Halai

05:40pm - 05:50pm

**Address by Dean, Medical College, AKU**

Adil Haider

05:50pm - 06:20pm

**Abu al-Qasim al-Zahrawi Oration**

Eileen Bulger

**Trauma System Development: Challenges and Opportunities**

06:20pm - 06:50pm

**Ali al-Husayn Ibn-e-Sina Oration**

Hasan Badre Alam

**What's New in Trauma Management**

06:50pm - 07:10pm

**State-of-the-Art Lecture**

Adil Haider

**Discharged but not Forgotten: The Need to Collect Long-Term**

**Outcomes after Traumatic Injuries**

07:10pm - 07:40pm

**Creative Entertainment**

AKU Students

07:40pm - 07:45pm

**Closing Remarks by Conference Chair**

Hasnain Zafar

07:45pm

**Gala Dinner**

Male Hostel Lawn, AKU

## **Scientific Programme**

**Saturday & Sunday, February 15-16, 2020**

**Venue:**

**Aga Khan University Auditorium, Karachi**



## Day: 1

<b>Plenary Sessions</b> <b>Saturday, February 15, 2020</b> <b>Venue: AKU Auditorium</b>
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<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
07:30am – 08:15am	Breakfast & Registration	
08:15am – 08:20am	Tilawat-e-Quran	
08:20am – 08:30am	Welcome address by Scientific Committee	Shahzad Shamim Amir Shariff

<b>Session One:</b> <b>Prevention and Pre-Hospital Care - I</b> <b>08:30am – 10:30am</b> <b>Chair: Mushtaq Ahmed   Co-Chair: Hasan Badre Alam   Moderator: Rehman Alvi</b>
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<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
08:30am – 08:45am	An Experience of Setting up and Running Rescue 1122	Rizwan Naseer
08:45am – 09:00am	Bystanders Save Lives	Bryan McNally
09:00am – 09:15am	Implementing Stop the Bleed Through an EMS System	Matthew Levy (online)
09:15am – 09:30am	Critical Actions When Considering Public Education	Paul D. Kivela
09:30am – 09:45am	Pediatric Acute Surgical Support (PASS)-an Interdisciplinary Multimodal Course for the Initial Care of Life-Threatening Pediatric Surgical Emergencies	Aixuan Holterman
09:45am – 10:00am	An Experience of Aga Khan Agency for Habitat, Aga Khan Development Network	Peter J Stevenson
10:00am – 10:15am	The Economics of Trauma System Development	Nico Risko
10:15am – 10:30am	Does Tranexamic Acid Improve Outcomes in Hemorrhagic Brain Injury? Evidence from a Multinational Trial	Rashid Jooma
10:30am – 11:00am	Tea & Refreshments	Male Hostel Lawn

**Session Two:**  
**Case Discussions:**  
**Clinical Decision Making in Trauma-Case Based Discussion**

**11:00am - 12:30pm**

**Moderators:** Junaid Razzak & Amir Shariff

**Presenter:** Sabah Saqib

**Panelists 1:** Mumtaz Maher, Salman Sharif, Fazal Hameed, Badar Afzal, Amir Haleem

**Panelists 2:** Hasan Badre Alam, Lal Rehman, Qamar Hoda, Shahryar Noordin, Nadeem Khurshaidi

**Session Three:**  
**Prevention and Pre-Hospital Care - II**

**12:30pm - 01:30pm**

**Chair:** Salman Faridi | **Co-Chair:** Aixuan Holterman | **Moderator:** Mahim Malik

<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
12:30pm - 12:45pm	Resuscitation: How, how much and with what?	Hasan Badre Alam
12:45pm - 01:00pm	Towards Zero Preventable Trauma Deaths: Building Community Resilience	M. Ali Chaudhary
01:00pm - 01:15pm	Role and Management of International Committee of the Red Cross (ICRC)	Zohra Mhamdi
01:15pm - 01:30pm	Use of Tele-technology in Delivery of High Quality Healthcare	Khalid Siddiqui
01:30pm - 02:15pm	Lunch & Prayer Break	Male Hostel Lawn

**Session Four:**  
**Mass Casualties Management - Lessons Learnt at AKU**

**02:15pm - 03:15pm**

**Moderators:** Masood Umer & Ehsan Bari

**Presenter:** Sabah Saqib

**Panelists:** Seemin Jamali, Tariq Khan, Amer Aziz, Junaid Razzak,  
Saeed Quraishi, Col. Umar Farooq, Eileen Bulger

03:15pm - 04:00pm	Stall and Poster Exhibition & Tea Break	Male Hostel Lawn
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**Session Five:**  
**The Pakistan Life Savers Program (PLSP)**  
**04:00pm – 06:50pm**  
**Moderators: Junaid Razzak & Talha Rehman**

<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
04:00pm - 04:05pm	Welcome	Talha Rehman
04:05pm - 04:10pm	Community Emergency Response: Role of AKU	Syed Ather Enam
04:10pm - 04:20pm	Talk by Supporters of CoE-T&E	Class of '94 rep & Mian Faisal Mukhtar
04:20pm – 05:20pm	Global Experiences in Community-based Lifesaving Care <ul style="list-style-type: none"> <li>• Lessons learnt on Cardiac Arrest Interventions in the US</li> <li>• Improving Outcomes from Cardiac Arrests in Asia</li> <li>• Experience on Stop the Bleed Initiative of ACS</li> <li>• ACEP's School-based Training Experience</li> <li>• Dealing with Emergencies at a Tertiary Care Hospital</li> <li>• Experiences of Managing EMS in Karachi</li> </ul>	Moderator: Noor Baig / Natasha Bryan McNally, Emory Marcus Ong, NUS Eileen Bulger, UW/ACS Paul Kivela, ACEP Seemin Jamali, JPMC Sajid Ali, AKU-IED Shehzad Jeeva, AKU-EB
04:20pm – 05:35pm	Tea Break	
04:35pm – 05:50pm	Saving Lives from Trauma and Emergencies and the Role of Partnerships (intro to COE and PLSP)	Junaid Razzak
05:50pm – 06:00pm	Life-Saving Skills Demonstration by School Students	SIG & Rashid Aqeel
06:00pm – 06:30pm	Signing Ceremony <ul style="list-style-type: none"> <li>• Health Partners (DUHS, NICVD, JPMC, Ziauddin University, Aman Health, FRIP, MASH, AKU)</li> <li>• Govt Sindh Partners (Health &amp; Education Department)</li> <li>• International Partners (American college of Surgeons, American college of Emergency physicians)</li> </ul>	Moderator: Talha Rehman
06:30pm – 06:45pm	Remarks by Guests	CM Sindh, Minister Health Sindh, Minister Education Sindh
06:30pm – 06:50pm	Thank you Note and Next Steps	Dean, AKU

**By invitation only**  
**Surgery Alumni Dinner**  
**Saturday February 15, 2020**  
**07:00pm – 08:30pm**

**Day: 2**

**Plenary Sessions**  
**Sunday, February 16, 2020**  
**Venue: AKU Auditorium**

07:15am – 08:15am	Student Breakfast with Conference Faculty (AKU Medical Students only)
08:30am – 10:00am	Moderated Poster Session <b>Judges:</b> Tabish Chawla, Tashfeen Ahmad and Hammad Ather

**Session Six**  
**Students Session: A Stitch in Time!**  
**08:15am – 10:00am**  
**Moderator:** Surgery Interest Group (SIG), Core Committee Members

<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
08:15am – 08:20am	Welcome	
08:20am – 08:25am	Quiz: Are you Ready?	All Participants
08:25am – 08:30am	Introduction to Surgery Interest Group	Muhammad Ali
08:30am – 08:45am	Making Your Mark!	Hasan Badre Alam
08:45am – 09:00am	Coffee with SIG	Mahin Janjua
09:00am – 09:15am	Keeping Your Cool!	Eileen Bulger
09:15am – 09:45am	Students in Trauma Care-Bottom of the food chain? <b>Panelists:</b> Syed Ather Enam, Aisha Tariq, Amber Mehmood, Rizwan Naseer	
09:45am – 09:55am	Closing Remarks	Adil Haider

10:00am – 10:30am	Tea and Refreshments	Male Hostel Lawn
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**Session Seven:**  
**AKU Dean’s Challenge: Trauma Quiz for**  
**Resident Teams from Major Teaching Hospitals**  
**10:30am – 11:30am**  
**Moderators:** Shahid Sami and Rizwan Khan  
**Award Distribution:** Saeed Qureshi and Adil Haider

**Session Eight:**  
**Trauma Management: Challenges in the 21st Century**  
**11:30am – 03:30pm**

**Chair:** Eileen Bulger | **Co-Chair:** Shamim Qureshi | **Moderator:** Nuzhat Faruqui

<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
11:30am – 11:45am	Update on AKU Centre for Global Surgical Care	Sadaf Khan
11:45am – 12:00pm	Artificial Intelligence in Trauma	Diego Martinez (online)
12:00pm – 12:15pm	The Importance of Cardiac Arrest Registries	Bryan McNally
12:15pm – 12:30pm	Review of Telemedicine in Trauma Resuscitation	Khalid Siddiqui
12:30pm – 12:45pm	Trauma Research in Developing Countries: Deficiencies and Opportunities	Amber Mehmood
12:45pm – 01:00pm	Role and Challenges of National Disaster Management Authority Pakistan (NDMA) in the 21st Century and Closing Remarks	Lt. Gen M Afzal
01:00pm – 02:00pm	Lunch & Prayer Break	Male Hostel Lawn
01:00pm – 02:00pm	PG Trainees Lunch with Conference Faculty	Male Hostel Lawn
01:00pm – 02:00pm	Working Lunch with Association of Women Surgeons of Pakistan	FOB Conference Room

**Session is Open for General Public**

**Session Nine:**  
**Transforming Tragedy into Change**  
**02:00pm – 04:00pm**

**Moderator:**  
Sadaf Khan

**Panelists:**  
Rizwan Naseer, Lubna Samad, Junaid Razzak, Nargis Asad,  
Umer Adil, Syed Ather Enam, Hasnain Zafar

Injury Transfer and Changing Pattern of Gunshot Violence	Sabah Saqib
Personal Account of a Trauma Survivor	A Patient
A Personal Account of Loss Through Trauma	Beenish Umer & Umer Adil
Rah-e-Amal: Advocating for Trauma Care	Beenish Umer & Umer Adil
Amal Umer Act and Rules - Implications and Practical Considerations	Maleeha Aiman
Assessment of Trauma Capacity in Karachi	Salman Khalil
Panel Discussion & Q/A	All Panelists

<b>Closing Ceremony</b> <b>04:00pm - 04:30pm</b>		
04:00pm - 04:05pm	Vote of Thanks	Masood Umer
04:05pm - 04:15pm	Closing Ceremony & Certificate Distribution	
04:20pm - 04:30pm	Tea & Refreshments	Male Hostel Lawn

## **JPMA Special Supplement**

**Website:**

**[www.jpma.org.pk/supplement-details/17](http://www.jpma.org.pk/supplement-details/17)**

## **Poster Presentations**

### **Moderated Poster Session**

Sunday, February 16, 2020  
08:30pm – 10:00pm



**Pattern of Pediatric Thoracic Trauma and its Associated Mortality.**

Muhammad Haris Patel  
National Institute of Child Health (NICH), Karachi

**Identification of Factors Associated with 30 Day Mortality of Road Traffic Crash Victims in Three Tertiary Care Hospitals In Karachi.**

Maleeha Naseem, Junaid Razzak, Masood Kadir, Rashid Jooma  
Aga Khan University, Karachi.

**Flapless approach for immediate implant placement after traumatic dental injury. A case report.**

Fahad Umer, Saqib Habib  
Aga Khan University, Karachi.

**Spectrum of mandibular fractures in a tertiary care hospital at Karachi.**

Sana Iqbal, Sufyan Ahmed, Ayesha Aslam, Mehwash Kashif  
Abbasi Shaheed Hospital / Karachi Medical and Dental College (KMDC), Karachi.

**Proximity of roots of maxillary posterior teeth to maxillary sinus floor in a sample of Pakistani population using Cone Beam Computed Tomography.**

Momina Anis Motiwala  
Aga Khan University, Karachi.

**Effect of Intrasulcular vs papilla based incision on periodontal parameters in peri radicular surgery: A Systematic Review & Meta-Analysis.**

Shizrah Jamal  
Aga Khan University, Karachi.

**Outcomes of different Bone grafting modalities in traumatic nonunion, Results of a prospective cohort study from level-1 trauma centre.**

Fateh Ali Janjua, Obada Hasan, Fatima Abbas Naqvi, Sarosh Madhani, Masood Umer  
Aga Khan University, Karachi.

**Ipsilateral Vascularized Fibular Transport for massive traumatic bone loss of tibia; advanced surgical technique. Retrospective cohort from level-1 trauma centre.**

Obada Hasan, Muhammad Saleem, Akbar Zubairi, Yasir Mohib, Sara Salim, Haroon Rashid  
Aga Khan University, Karachi.

**Modified Trap door procedure with Arthrodiastasis for post traumatic avascular necrosis of femoral head. A new hope for young active patients. Prospective case series from a tertiary care specialized hospital.**

Obada Hasan, Vickash Kumar, Atiq Uz Zaman, Saeed Ahmad Chiragh Muhammad Khan, Amir Aziz  
Aga Khan University, Karachi.

**Tendon transfer surgery after high-energy trauma leading to irreversible radial nerve palsy. Retrospective cohort from level-1 trauma centre in a metropolitan city.**

Muhammad Atif, Yasir Mohib, Obada Hasan, Aurangzeb H Qureshi, Rizwan Haroon Rashid, Pervaiz Hashmi  
Aga Khan University, Karachi.

**Hip fractures in summer and winter. Seasonal influence on postoperative complications. Retrospective cohort of 1045 patients.**

Obada Hasan, Mashal Amin, Fatima Mahmood, Amna rabbani, Umar Rabbani Shahryar Noordin  
Aga Khan University, Karachi.

**Injury Specific Trauma Registry: Functional and clinical Outcomes of a Prospective Cohort with Tibial plateau fractures.**

Obada Hasan, Muhammad Atif, Tashfeen Ahmad, Zehra Abdul Muhammad, Shahryar Noordin  
Aga Khan University, Karachi.

**Primary trauma care course: alternative basic trauma course in developing countries. "The need of the hour".**

Muhammad Muzzammil, Muhammad Saeed Minhas, Shireen A Ramzan Ali, Rashid Jooma, Abdul Qadir, Syed Jahanzeb  
Jinnah Postgraduate Medical Center, Aga Khan University, Karachi.

**Onsite triage, pre-hospital management and effective hospital transportation.**

Muhammad Muzzammil, Anser Saeed Khan, Jahanzeb Effendi, Abdul Qadir, Syed Jahanzeb, Muhammad, Saeed Minhas  
Jinnah Postgraduate Medical Center, Karachi.

**Management of ankle fractures via wide awake local anesthesia with no tourniquet.**

Muhammad Tahir, Muhammad Ameer Hamza Mamoon, Muhammad Ahmad, Allah Rakhio Jamali, Ghulam Mehboob  
Jinnah Postgraduate Medical Centre, Sir Syed Medical College, Civil Hospital, Karachi.

**Bone setter treated neglected trauma, multicenter experience in central Karachi.**

Rahat Zahoor Moton, Zohaib Nawaz, Muhammad Naseem, Saleem Asghar, Irfan Muhammad Rajput, Zaheer Ahmed Khatti  
Civil Hospital, Aga Khan University, Abbasi Shaheed Hospital, Sindh Rangers Hospital, Dow University of Health Sciences, Karachi..

**Cost effective management of complex open femoral fractures at tertiary care hospital. A case series.**

Rufina Ali, Muhammad Zohaib Nawaz Khan, Haroon ur Rashid and Masood Umer  
Aga Khan University, Karachi.

**Dynamic hip helical system (DHHS) and locking side plate for intertrochanteric hip fractures, is it necessary to change? Prospective cohort study.**

Obada Hasan, Moiz Ali, Masood Umer, Shah Fahad  
Aga Khan University, Karachi.

**The need for low-cost innovations in trauma and surgery in the era of cost-conscious care. Narrative review of targeted literature.**

Obada Hasan, Ahmed Ayaz, Laiba Masood, Abdul Mannan Baig, Naveed Baloch  
Aga Khan University, Karachi.

**Unintentional domestic trauma and injuries in children, causes and proposed ways for prevention. Narrative review of targeted literature.**

Obada Hasan, Mir Muzamil Jessar, Areej Salim, Shahryar Noordin  
Aga Khan University, Karachi.

**Case report: Thyroid cartilage repair in a homicidal cut throat Injury by Subperichondrial suturing.**

Atif Hafeez Siddique, Saad Shakil, Tahir Ghulam, Ehteram-ul-Haq  
Dow University of Health Sciences, Karachi.

**Gunshot injury to spine: An institutional experience of management and complications from a developing country.**

Ibrahim Sajid, Bushra Ahmad, Shaikh Danish Mahmood, Aneela Darbar  
Aga Khan University, Karachi

**Psychological distress and its associated factors among informal care givers of disable young adults with traumatic brain injuries.**

Samera Punjwani, Yasmin Parpio, Rubina Barolia, Shahzad Shamim, Nargis Asad  
Aga Khan University, Karachi

**Patterns of motorcycle injuries and outcomes at a tertiary care hospital in Karachi, Pakistan.**

Russell Seth Martins, Sabah Saqib, Mishal Gillani, Hasnain Zafar  
Aga Khan University, Karachi

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**Patterns of traumatic injuries and outcomes in the geriatric population at a tertiary care hospital in Pakistan.**

Russell Seth Martins, Sabah Saqib , Mishal Gillani, Hasnain Zafar  
Aga Khan University, Karachi

**Pattern of injury after motorcycle accidents From level one trauma center: A cross-sectional survey.**

M. Hasaan Shahid, Danish Ali, M. Imran Khokhar, Azhar Alam, Adeel Kaiser, Awais Amjad, M. Farooq Afzal  
Lahore General Hospital, Lahore, Pakistan.

**Delayed splenic rupture due to an occult primary injury: A case report.**

Junaid Zia Hashmi, Masood Ur Rauf Khan Hiraj, Imran Khan Mazari  
Nishtar Medical University and Hospital Multan, Punjab. Pakistan.

**Hospital admissions following a negative whole body CT scan for high energy trauma - do we really need to admit?**

Qureshi IA, Makhdoomi KR, Baguneid  
Al Ain Hospital, UAE.

**Effect of class II extractions and functional appliance treatment on smile esthetics.**

Umair Shoukat  
Aga Khan University, Karachi.

**Assessment of patient cooperation and compliance in three stages of orthodontic treatment in adult patients - A cross-sectional study.**

Hafsa Qabool, Rashna H. Sukhia  
Aga Khan University, Karachi.

**Comparison between conventional & piezocision assisted orthodontics in relieving anterior crowding: A systematic review and meta-analysis.**

Erum Afzal, Mubassar Fida  
Aga Khan University, Karachi.

**Efficiency of NiTi and CuNiTi archwires in patients with mandibular crowding: a systematic review and meta-analysis.**

Sarah Afzal  
Aga Khan University, Karachi.

**Post-traumatic orthodontic intrusion of extruded posterior teeth for prosthetic rehabilitation - A case report.**

Dur-e-Shahwar Malik, Mubassar Fida  
Aga Khan University, Karachi.

**Proximity of root apices of mandibular posterior teeth with inferior alveolar nerve canal: A CBCT based study.**

Ayesha Arif  
Aga Khan University, Karachi.

**Comparison of treatment outcomes using IOTN, ICON and PAR index in subjects with class i malocclusion treated by three different methods - A cross-sectional study.**

Muhammad Maaz  
Aga Khan University, Karachi.

**Karachi relief trust (KRT) mental health initiative: The first tele-psychiatry intervention in a disaster setting in Pakistan.**

Taha Sabri, Nuzhat Faruqui, Walyiah Mughis, Naseer Mehmood  
Aga Khan University, Karachi.

**Does vigilant clinical observation in blunt abdominal trauma with solid organ injury obviate surgical intervention in children?**

Shumaila Israr  
Jinnah Sindh Medical University, Karachi

**Effectiveness of single dose premedication of piroxicam and prednisolone on post endodontic pain in one visit root canal treatment: a randomized clinical trial.**

Anum Tanwir  
Dow University of Health Sciences, Karachi

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**Incidence of agricultural injuries and their outcomes in Allied Hospital, Faisalabad.**

Mubashar Abrar, Ayesha Abrar, Abdullah Saeed, Javid Iqbal, Zahid Imtaiz, Muhammad Asif, Aliya Shaima, Humaira Khan, Zeeshan Ashiq, Kamran Liaquat, Ghulam Mustafa.  
Allied Hospital, Faisalabad, Pakistan

**Panfacial trauma, mechanisms and etiology.**

Suneel Kumar Punjabi, Eshnawar Ishaque, Sikander Munir Memon  
Liaquat University of Medical and Health Sciences  
Jamshoro, Sindh, Pakistan.

**Changes in patterns and outcomes of trauma patients after betterment in law and order situation of city.**

Sabah uddin Saqib, Hasnain Zafar  
Aga Khan University, Karachi.

**A prospective analysis of clinical and functional outcomes in proximal humerus fractures in adults.**

Tashfeen Ahmad, Zehra Abdul Muhammad, Amna Haroon  
Aga Khan University, Karachi.

**Challenges in the management of hollow viscus injury following blunt abdominal trauma.**

Shumaila Israr  
National Institute of Child Health, Karachi.

**Outcomes of surgical management of liver trauma at LUMHS, Jamshoro.**

Hamid Raza laghari, Zameer Hussain laghari, Ambreen Munir, Shahid Nazir Memon, Qambar Ali Laghari,  
Amjad Ali Bhurt, Naimatullah Kalhoro  
Liaquat University of Medical and Health Sciences  
Jamshoro, Sindh, Pakistan.

**Variations in traumatic injuries and hospital course on basis of different types of motorcycle accidents: A Single-Center.**

Russel martin, Sabah Saqib, Mishal Gillani, Hasnain Zafar  
Aga Khan University, Karachi.

**Outcomes of trauma and violence in pregnancy: 5 years audit of tertiary care hospital.**

Mishal Gillani, Sabah Saqib, Russel martin, Hasnain Zafar  
Aga Khan University, Karachi.

**Temporal trends in prevalence of Hepatitis B, Hepatitis C and human immunodeficiency virus in blood donors of Pakistan.**

Ansar ullah, Muhammad Ateeq ur Rehman, Hizbullah, Atifa Shuaib  
Rawalpindi Medical University, Rawalpindi, Punjab

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