

7th AKU
ANNUAL SURGICAL
CONFERENCE

#AKUSurgeryConf
www.aku.edu/aasc

11-13 February 2022
Aga Khan University

SURGICAL RESEARCH

Exploring our History - Navigating the Future



Conference Booklet

About the 7th AKU Annual Surgical Conference

Clinical research is the cornerstone of innovation in the surgical discipline. Understanding and interpreting vial data through critical thinking and evidence-based practice are proven tools in the enhancement of methodologies, both inside and out of the operating rooms, and clinics. This has never been truer, than in this post-pandemic world, where constructive research has now taken a major turn in day to day practice and has become a significant guide for planning and function. Although the basic principles of surgical education and research across the globe are almost the same, standards may vary between developed and developing countries due to many factors.

Building off of the success of last year's first hybrid conference, the 7th AKU Annual Surgical Conference will explore tools and methodologies to improve surgical research, considering the availability of expertise, resources and technology, in low- and middle-income countries.

This year, the theme of the conference is 'Surgical Research: "Exploring our History – Navigating the Future"'.

Organised by the AKU Medical College's Department of Surgery from February 11-13, 2022 in Karachi, the conference will bring together national and international experts, providing a platform to exchange robust ideas and learn from each other.

For more information, please visit the event website: www.aku.edu/aasc

or contact:

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Email: surgery.events@aku.edu

Endorsed by



ROYAL COLLEGE OF
PHYSICIANS AND
SURGEONS OF GLASGOW



College of Physicians and Surgeons Pakistan



Message from the Chair, Department of Surgery



Syed Ather Enam

This is the last year I welcome all national and international participants to the AKU Annual Surgical Conference (AASC) as Chair Department of Surgery. I started AASC seven years ago, and I found it to gain more momentum ever over time. The reason was the top-notch, world-class faculty members in the Department of Surgery, who put sincere effort behind each AASC. AASC has provided Aga Khan University, particularly the Department of Surgery, a platform to maintain its reputation as regional academic leaders. The themes of the AASC have always been very relevant both locally and globally. It has been an invaluable resource to provide a platform for networking for our brilliant faculty. AASC has also served as a springboard to develop substantial long-term initiatives. These include the Center of Global Surgical Care and Center of Excellence for Trauma and Emergencies at AKU, to name a couple.

The 7th AKU Annual Surgical Conference will explore tools and develop methodologies to improve surgical research, considering the availability of expertise, resources, and technology in low- and middle-income countries. The theme of the conference is 'Surgical Research: Exploring our History – Navigating the Future'. Our objective and target audience will focus on improving surgical research in LMIC. Research in surgery has enabled the surgical community to enhance healthcare quality, resulting in better outcomes of surgical diseases. Research in surgery has several inherent difficulties that make it unique when compared to other specialties, especially in conducting high-quality surgical research like randomized controlled trials

Over the past few decades, we have strived to establish surgical research within our university that provides a balance between education and service. There is a need for large-scale initiatives to develop strong research cultures in institutions and individuals. Identifying barriers to surgical research systematically, and then focusing on finding solutions to these issues, is critical. We think a multi-faceted approach with clearly defined short and long-term goals will help. This conference will be a narrative of how we achieved all this and the way forward considering the resource constraints in LMICs, compared to High-Income Countries.

This virtual conference will bring together national and international experts, providing them with a platform to exchange their knowledge and learn from each other.

In recent times, the pandemic of COVID-19 has profoundly affected surgical education and research. Again, this year, we are organizing the Annual Surgical Conference virtually to protect people's health and well-being.

I am thankful to all the guests who have gathered here in cyberspace up on our invitation. I must also thank our collaborating partners, organizers, 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



M. Shahzad Shamim

It is my pleasure to welcome all the faculty, trainees, students, nurses, midwives, and health care professionals from all over the world, to what has now surely become one of the most awaited academic events in the region, AKU's Annual Surgical Conference.

This is our seventh annual conference, and we have come a long way from our first, that I recall clearly as if it was yesterday. It started as an idea discussed befittingly in the operating room. Our theme was 'Complications', and our first keynote speaker was Henry Marsh, who had just published what was to become one of the most famous surgical humanities book of all time. Our association with Henry has grown over time and this year we have once again requested him to be our keynote speaker. The conference has also grown substantially and just to quote last year's numbers, we had more than 3000 participants from all over the world. This year's theme is 'Surgical Research: Exploring our History – Navigating the Future'. As evident from the theme, we will be addressing two aspects of surgical research, our history, and our future. The inauguration keynote speeches, workshops, scientific program and publications are all designed to reflect this. The attendees will include surgeons, surgical trainees, medical students, nursing, allied specialties and medical educationists and researchers. The format is hybrid (part physical and mostly virtual), for reasons of both safety and convenience.

Like previous years, we have once again collaborated with the Journal of Pakistan Medical Association (JPMA), and published a special supplement on the conference with 26 papers on Surgical Research. We are also publishing a book titled, 'Evolution of Surgical Specialties in Pakistan: Chronicles from the Theatres and Beyond', that narrates little known facts about the beginnings of surgical specialties in Pakistan. This book, we foresee, will be an invaluable resource for all surgeons and medical history buffs, and will be a must-have for everyone related to healthcare in Pakistan.

There are 16 pre and post conference ACCME accredited workshops as part of the conference, centered around the theme. The scientific program is a mix of lectures, talks, panel discussions, a debate, and a residents' quiz, and not just covers most aspects of surgical research, but also includes future directions for surgeons working in developing countries. There are also specialized student-led and nurse-led sessions that have filled the void that persisted in our previous conferences. All workshops, courses and scientific sessions are accredited by the ACCME. We had planned several other activities in conjunction with the program including comprehensive wellness and team building activities, a silver jubilee alumni reunion, and several student-resident-faculty breakfasts, that had to be cancelled due to the ongoing surge of Covid cases.

We are pleased to share that this year's conference has been endorsed by Royal College of Physicians & Surgeons of Glasgow (RCPSG), Association for Academic Surgery (AAS) and College of Physician and Surgeons Pakistan (CPSP) a testament to the growing international presence of this academic event.

I must appreciate the many many hours of work put in by members of the organising committee including scientific, workshop, finance, publications, communication, inauguration sub-committees, and workshop coordinators. This conference would also not be possible without the passion and involvement of our collaborating departments, including CHS, CITRIC, Research, SON, and our medical students in Surgery Interest Group (SIG), who never fail to ring the right energy to these conferences. Finally, my personal appreciation for the most critical member of this conference's organizing machinery, Shariff Charania, who has truly become an expert in managing these highly complex activities.

M. Shahzad Shamim

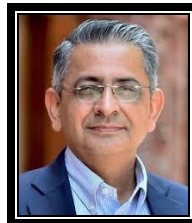
MBBS, MCPS, MRCS, FCPS, FACS, FRCS(Eng), FRCSGlas(Neuro Surg), FEBNS
Chief of Services; Neurology, Neurosurgery, Psychiatry
Associate Professor and Consultant Neurosurgeon
Aga Khan University, Karachi

Conference Team

Patrons



Adil Haider
Professor, Surgery
Dean, Medical College, AKU



Syed Ather Enam
Professor, Neurosurgery
Chair, Department of Surgery

Conference Committees



M Shahzad Shamim
Chair, Organizing Committee
Associate Professor, Neurosurgery



M Fazlur Rahman
Co-Chair, Organizing Committee
Assistant Professor, Plastic Surgery



Shabbir Akhtar
Chair, Scientific Committee
Associate Professor, Otolaryngology



Rehan Nasir Khan
Co-Chair, Scientific Committee
Senior Instructor, Urology



Tashfeen Ahmad
Chair, Workshop Committee
Assistant Professor, Orthopaedics



Tabish Chawla
Co-Chair, Workshop Committee
Associate Professor, General Surgery



Nadeem Siddiqui

Chair, JPMA Publication Committee
Assistant Professor, Vascular Surgery



Syed Muhammad Nazim

Co-Chair, JPMA Publication Committee
Associate Professor, Urology



M Rizwan Khan

Chair, Book Publication Committee
Professor, General Surgery



Safdar Ali Shaikh

Co-Chair, Book Publication Committee
Assistant Professor, Plastic Surgery



Nuzhat Faruqui

Chair, Communications & Liaison Committee
Assistant Professor, Urology



Haroon Tayyab

Co-Chair, Communications & Liaison Committee
Assistant Professor, Ophthalmology



Amir Shariff

Chair, Wellness Committee
Assistant Professor, General Surgery



Hina Inam

Co-Chair, Wellness Committee
Senior Instructor, Cardiothoracic Surgery



Sana Zeeshan
Chair, Alumni Program
Assistant Professor, Breast Surgery



Gulzar S. Lakhani
Conference Administrative Director
Director & Lecturer, Surgery



Murad Bana
Conference Coordinator
Associate, Surgery



Shariff Charania
Conference Coordinator
Specialist, Surgery

Surgery Interest Group (SIG) Core Committee



Ronika Devi Ukrani
Convener, SIG



Sehar Salim Virani
Co-Convener, SIG



Manzar Abbas
General Secretary, SIG



Ayesha Akbar Waheed
Treasurer, SIG

Committee Members

Organizing Committee Members

M Shahzad Shamim, Chair, Associate Professor, Neurosurgery
M Fazlur Rehman, Co-Chair, Assistant Professor, Plastic Surgery
Syed Ather Enam, Professor, Neurosurgery
M. Hammad Ather, Professor, Urology
Sadaf Khan, Associate Professor, General Surgery
Sana Zeeshan, Assistant Professor, Breast Surgery
Aamir Jafarey, Visiting Faculty, Surgery
Gulzar S. Lakhani, Director & Lecturer, Surgery
Murad Bana, Associate, Surgery
Shariff Charania, Specialist, Surgery

Scientific Committee Members

Shabbir Akhtar, Chair, Associate Professor, Otolaryngology
Rehan Nasir Khan, Co-Chair, Senior Instructor, Urology
Zia ur Rehman, Associate Professor, Vascular Surgery
Irfan Jeeva, Assistant Professor, Ophthalmology
Rashna Hoshang Sukhia, Assistant Professor, Dentistry
Nida Zahid, Assistant Professor, Research
Syed Adnan, Assistant Professor, Research
Hina Inam, Senior Instructor, Cardiothoracic Surgery
Khairunnisa Mansoor, Senior Instructor, School of Nursing & Midwifery
Zahra Tharani, Instructor, School of Nursing & Midwifery

Workshop Committee Members

Tashfeen Ahmad, Chair, Assistant Professor, Orthopaedics
Tabish Chawla, Co-Chair, Associate Professor, General Surgery
Raziuddin Biyabani, Associate Professor, Urology
Fahad Umer, Assistant Professor, Dentistry
Akbar Jaleel Zubairi, Senior Instructor, Orthopaedics
M. Noman Mughal, Assistant Professor, Research

JPMA Publication Committee

Nadeem Siddiqui, Chair, Assistant Professor, Vascular Surgery
Syed Muhammad Nazim, Co-Chair, Associate Professor, Urology
Abdul Sami Memon, Assistant Professor, Ophthalmology
Rizwan Haroon Rashid, Assistant Professor, Orthopaedics
Lubna Vohra, Assistant Professor, Breast Surgery
Amber Sultan, Senior Instructor, Surgery
Shiraz Hashmi, Senior Instructor, Research

Book Publication Committee Members

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Safdar Shaikh, Co-Chair, Assistant Professor, Plastic Surgery
Farhan Raza Khan, Associate Professor, Dentistry
P. S. Mahar, Professor, Ophthalmology
Rashid Jooma, Professor, Neurosurgery
Jamsheer Talati, Professor Emeritus, Urology
Shahid Sami, Senior Lecturer, Cardiothoracic Surgery
Mujahid Jamil, Assistant Professor, Orthopaedics
Saqib Hameed Qazi, Assistant Professor, Paediatric Surgery
Fareed Shaikh, Assistant Professor, Vascular Surgery

Communications & Liaison Committee Members

Nuzhat Faruqui, Chair, Assistant Professor, Urology
Haroon Tayyab, Co-Chair, Assistant Professor, Ophthalmology
Amir Shariff, Assistant Professor, General Surgery
Syed Akbar Abbas, Assistant Professor, Otolaryngology
Syed Shahbuddin, Associate Professor, Cardiothoracic Surgery
Syed Murtaza Kazmi, Assistant Professor, Dentistry
Rasool Sarang, Senior Manager, Communications

Wellness Committee Members

Amir Shariff, Chair, Assistant Professor, General Surgery
Hina Inam, Senior Instructor, Cardiothoracic Surgery
Fareed Shaikh, Assistant Professor, Vascular Surgery
Aneela Darbar, Consultant, Neurosurgery
Sohaib Najam, Resident, General Surgery
Yasir Rasheed, Resident, Urology
Emaan Farhan, Medical Student, Surgery Interest Group

Students - Surgery Interest Group (SIG)

Ronika Devi Ukrani, Medical Student, Class of 2022
Ayesha Akbar Waheed, Medical Student, Class of 2022
Sehar Salim Virani, Medical Student, Class of 2022
Manzar Abbas, Medical Student, Class of 2022
Usama Waqar, Medical Student, Class of 2023
Faiqa Binte Aamir, Medical Student, Class of 2023
Kinzah Razzak Ghazi, Medical Student, Class of 2023
Emaan Farhan, Medical Student, Class of 2023
Hajra Arshad, Medical Student, Class of 2023
Muskaan Abdul Qadir, Medical Student, Class of 2023
Izza Tahir, Medical Student, Class of 2024
Mahnoor Javaid, Medical Student, Class of 2024
Noor Us Sabahat, Medical Student, Class of 2024
Mabrooka Kazi, Medical Student, Class of 2024
Noreen Zia, Medical Student, Class of 2024

Speakers

Orations

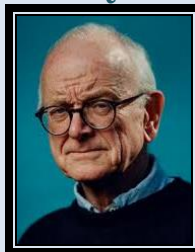
Ali al-Husayn Ibn-e-Sina Oration



David B. Hoyt

Immediate Past Executive Director
American College of Surgeons
Professor of Surgery, University of California
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Abu al-Qasim al-Zahrawi Oration



Henry Marsh

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Formerly Senior Consultant Neurosurgeon
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Ibn Zakariya al-Razi Oration



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Professor and Chairman of Surgery
Howard University College of Medicine
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Amber Mehmood

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University of South Florida, USA



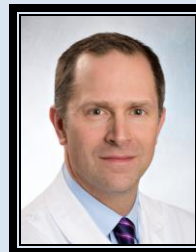
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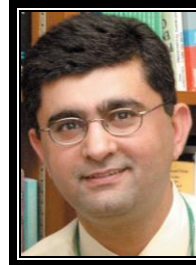
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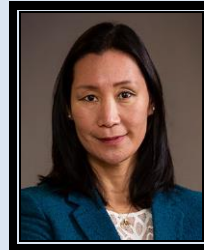
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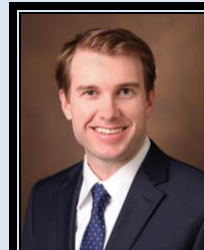
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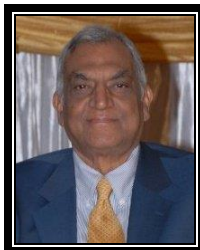
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Clinical Professor, Surgery
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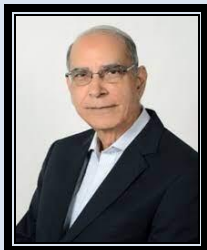
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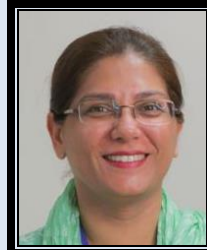
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Saulat Fatimi

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Shaista Khan

Visting Professor Emerita, Breast Surgery
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Zahra Hoodbhoy

Assistant Professor, Paediatrics & Child Health
Aga Khan University, Karachi

Students' Session



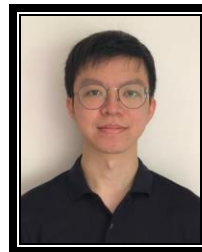
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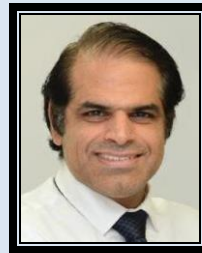
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Ng Kian Wei
Data Scientist
National University Health System, Singapore



Asad Ali
Professor & Associate Dean, Research
Aga Khan University, Karachi



Babar Hasan
Associate Professor, Paediatrics & Child Health
Aga Khan University, Karachi



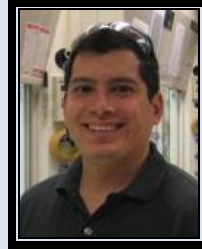
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Jason A Lawson
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Anna Urooba
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Baltimore, USA



Huzaifa Zafar
Research Associate
University of Illinois, IL, USA

Pre and Post Conference CME Activities

CME Activity# 1

Thursday, February 10, 2022 | 09:00am to 12:00pm
Title: **Managing References: Using EndNote Software**

CME Activity# 2

Thursday, February 10, 2022 | 09:00am to 02:00pm
Title: **Principles of Grant Writing**

CME Activity# 3

Thursday, February 10, 2022 | 09:00am to 12:00pm
Title: **Essentials of Research Protocol Writing**

CME Activity# 4

Thursday, February 10, 2022 | 02:00pm to 05:00pm
Title: **Managing Research Data – Basic Concepts**

CME Activity# 5

Friday, February 11, 2022 | 09:00am to 01:00pm
Title: **Residents dabbling in research: Ethical challenges you ought to know but might not**

CME Activity# 6

Friday, February 11, 2022 | 09:00am to 12:00pm
Title: **Commonly used analyses in biostatistics**

CME Activity# 7

Friday, February 11, 2022 | 01:30pm to 04:30pm
Title: **Tips for the Manuscript Writer**

CME Activity# 8

Friday, February 11, 2022 | 09:00am to 01:00pm
Title: **Workshop on Public Health Research on Surgical Disease**

CME Activity# 9

Friday, February 11, 2022 | 09:30am to 01:00pm
Title: **Current and Future Trends in Ophthalmology Research**

CME Activity# 10

Friday, February 11, 2022 | 09:00am to 01:00pm
Title: **Translating Practice in to Research for Nursing**

CME Activity# 11

Friday, February 11, 2022 | 02:00pm to 05:00pm
Title: **Navigating the Future for Nursing in Surgical Research**

CME Activity# 12

Friday, February 11, 2022 | 02:00pm to 05:00pm
Title: **SurgFest: Decoding Surgical Research for Medical Students**

CME Activity# 13

Friday, February 11, 2022 | 02:00pm to 04:00pm
Title: **Workshop on Liquid Biopsies**

CME Activity# 14

Thursday & Friday, February 10-11, 2022 | 9:00am to 4:00pm
Title: **Learning Outcome Research: Primary Trauma Care (PTC) Course**

CME Activity# 15

Monday, February 14, 2022 | 09:00am to 04:00pm
Title: **2nd Fundamentals of Surgical Research Virtual Course**

CME Activity# 16

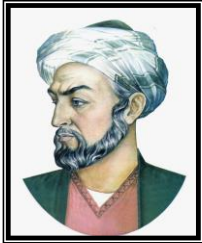
Tuesday & Wednesday, February 15-16, 2022 | 09:00am to 04:00pm
Title: **Workshop on Steps for Conducting Systematic Review and Meta-Analysis**

Registration and further information

Website: www.aku.edu/aasc

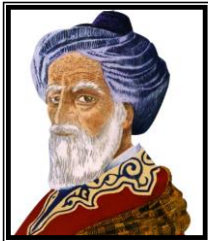
Orations

Ali al-Ḥusayn Ibn-e-Sina



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



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.

Ibn Zakariya al-Razi



Ibn Zakariya al-Razi, also known by his Latinized name Rhazes. al-Razi was considered a shaikh, an honorary title given to one entitled to teach and surrounded by several circles of students. al-Razi's medical works and ideas became known among medieval European practitioners and profoundly influenced medical education in the Latin West. Some volumes of his work Al-Mansuri, namely "On Surgery" and "A General Book on Therapy", became part of the medical curriculum in Western universities. Al-Razi was one of the world's first great medical experts. He wrote more than 224 books on various subjects. His most important work is the medical encyclopedia known as Al-Hawi fi al-Tibb, known in Europe as Liber Continens. He is considered the father of psychology and psychotherapy.

Inaugural Ceremony

**Friday February 11, 2022
05:30pm - 08:00pm (Pakistan Time; GMT +5)**

Inaugural Ceremony
Friday February 11, 2022
05:30pm – 08:00pm (Pakistan Time; GMT +5)

Programme

05:30pm - 05:40pm

Opening Remarks by Conference Chair

M Shahzad Shamim

05:40pm - 05:50pm

Welcome Address by Chair, Department of Surgery, AKU

Syed Ather Enam

05:50pm - 06:00pm

Welcome Address by Dean, School of Nursing and Midwifery, AKU

Rozina Karmaliani

06:00pm - 06:10pm

Welcome Address by Dean, Medical College, AKU

Adil Haider

06:10pm - 06:20pm

Address by President, AKU

Sulaiman Shahabuddin

06:20pm - 06:30pm

Step towards the Chancellor's Vision

Saulat Fatimi

New invention of beating heart simulator

Redefining struggles, failures and perseverance

06:30pm - 07:00pm

Ali al-Husayn Ibn-e-Sina Oration

David B. Hoyt

History and influence of research on resuscitation

07:00pm - 07:30pm

Abu al-Qasim al-Zahrawi Oration

Henry Marsh

Future of Surgery

07:30pm - 08:00pm

In Dialogue with Iconic Musician and UN Goodwill Ambassador for HIV/AIDS

Salman Ahmad

Scientific Programme

Saturday & Sunday, February 12-13, 2022

Day 1
Saturday, February 12, 2022

Session One			
History of Surgical Research			
Chair: Mushtaq Ahmed Co-Chair: Aamir Jafarey			
Saturday, February 12, 2022 08:15am - 10:15am (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
08:15am - 08:20am	05 mins	Welcome and Introduction	Shabbir Akhtar
08:20am - 08:35am	15 mins	A brief history of human subject research with focus on surgical research	Shaista Khan
08:35am - 08:50am	15 mins	History of surgery and major achievements in the last 100 years	Salman Faridi
08:50am - 09:05am	15 mins	Surgical Ethics in an unequal world	Sanjay Nagral
09:05am - 09:20am	15 mins	Changing requirements of surgical training: How research is becoming more relevant	Nailyn Rasool
09:20am - 09:35am	15 mins	Using history to inform the practice of surgery	Michael Brown
09:35am - 10:15am	40 mins	Panel Discussion Developing a research based surgical unit initial difficulties and achievements Moderator: Rashid Jooma Panelist: Irshad Waheed, Asif Zia, Rizwan Azami	

10:15am - 10:30am	15 mins	Break	
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Session Two			
Surgeons as Scientists			
Chair: Ghulam Asghar Channa Co-Chair: Lumaan Sheikh			
Saturday, February 12, 2022 10:30am - 12:00pm (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
10:30am - 10:45am	15 mins	Turning your research into a publishable paper	Hari Nathan
10:45am - 11:00am	15 mins	Research as a career choice for surgeons	Vikas Dudeja
11:00am - 11:15am	15 mins	Collaborative research	Kamal Mahawar
11:15am - 12:00pm	45 mins	Panel Discussion CPSP synopsis, dissertations and papers Moderator: Farhan Raza Khan Panelists: Muhammad Tariq Karim, Nabeel Baig, Muhammad Imran	

Session Three Chairman's Debate: Why do Research? Chair: Fauzia Khan Co-Chair: Hasnain Zafar			
Saturday, February 12, 2022 12:00pm - 01:00pm (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
12:00pm - 12:05pm	05 mins	Introduction to format and debators	Sadaf Khan
12:05pm - 12:15pm	10 mins	Mandatory research leads to mediocrity in research	Inam Pal
12:15pm - 12:25pm	10 mins	Mandatory research creates a culture of meaningful research	Hammad Ather
12:25pm - 12:30pm	05 mins	Rebuttals: Inam Pal, Hammad Ather	
12:30pm - 01:00pm	30 mins	Panel Discussion: Why do Research? Moderator: Sadaf Khan Panelists: Jamshed Akhtar, Rufina Soomro, Samina Ismail, Fatema Jawad, Hammad Ather, Inam Pal	

01:00pm - 02:00pm	60 mins	Break	
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Session Four Unexplored Research Opportunities in Developing Countries Chair: Arif Mateen Co-Chair: A. Rehman Alvi			
Saturday, February 12, 2022 02:00pm - 03:15pm (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
02:00pm - 02:15pm	15 mins	Outcomes research in surgery	Syed Nabeel Zafar
02:15pm - 02:30pm	15 mins	What is global surgery?	Lubna Samad
02:30pm - 02:45pm	15 mins	Tumor Registries in developing countries	Michael Dewan
02:45pm - 03:00pm	15 mins	Collaboration between surgeons and nurses	Mary G Heitschmidt
03:00pm - 03:15pm	15 mins	Increasing drug and implant trials in surgery, opportunities and challenges for practicing surgeons	Christopher Breuer

03:15pm - 03:30pm	15 mins	Break	
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Session Five Funding for your Ideas Chair: Zafar Zaidi Co-Chair: Syed Asim Jafri			
Saturday, February 12, 2022 03:30pm - 04:30pm (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
03:30pm - 03:45pm	15 mins	Funding opportunities for surgeon researchers	Amber Mehmood
03:45pm - 04:00pm	15 mins	NIH and emergency care	Junaid Razzak
04:00pm - 04:15pm	15 mins	Patenting your ideas	Saleem Sayani
04:15pm - 04:30pm	15 mins	The role of the interdisciplinary team in translational research	Fiona Wood

Session Six Getting your Work Noticed Chair: Shahid Shafi Co-Chair: Asad Latif			
Saturday, February 12, 2022 04:30pm - 05:45pm (Pakistan Time; GMT +5)			
Time	Duration	Title	Faculty
04:30pm - 04:45pm	15 mins	Surgical research - realities and possibilities	Nida Wahid
04:45pm - 05:00pm	15 mins	Responsible research evaluation: The role of bibliometrics	Jamsheer Talati
05:00pm - 05:45pm	45 mins	<p align="center"> Panel Discussion: Conversation with editors of surgical journals Moderator: Adil Haider Panelists: Annals of Surgery - Keith Lillemoe World Journal of Surgery - Julie Ann Sosa Journal of Surgical Education - Douglas Smink Journal of GI Surgery - Adil Haider </p>	

Day 2
Sunday, February 13, 2022

Session Seven
Students' Session

Sunday, February 13, 2022 | 08:00am - 11:00am (Pakistan Time; GMT +5)

Time	Duration	Title	Faculty
08:00am - 08:10am	10 mins	Welcome and Introduction	SIG
08:10am - 08:30am	20 mins	Future of data science in the field of surgical research	Ng Kian Wei
08:35am - 08:55am	20 mins	Life as a surgical researcher	Ammar Javed
09:00am - 09:30am	30 mins	Panel Discussion: Research in medical school and beyond Panelists: Asad Ali, Altaf Ali Laghari, Amna Urooba, Huzaiifa Zafar, Saniya Godil	
09:35am - 09:50am	15 mins	Quiz	
09:55am - 10:15am	20 mins	Surgical Outcomes Research: How to advance from Chart Reviews to Prospective Long Term Outcome Studies	Adil Haider
10:20am - 10:50am	30 mins	Panel Discussion: Advent of robotics, artificial intelligence and augmented reality in medical science Panelists: Faiz Bhora, Babar Hasan, Cliff Connery, Johar Raza Syed, Kostantinos Poulidikidis, Jason A Lawson, Pablo Garcia	
10:50am - 11:00am	10 mins	Closing Remarks	Syed Ather Enam

Session Eight

Success Stories of Surgeon Researchers - Global Perspective
Chair: Moizuddin Dawood | Co-Chair: Nuzhat Faruqi

Sunday, February 13, 2022 | 11:00am - 12:30pm (Pakistan Time; GMT +5)

Time	Duration	Title	Faculty
11:00am - 11:15am	15 mins	Srinath Chandrasekera	Srilanka
11:15am - 11:30am	15 mins	Babar Vaqas	UK
11:30am - 11:45am	15 mins	Kathryn Chu	South Africa
11:45am - 12:00pm	15 mins	Janak Desai	India
12:00pm - 12:15pm	15 mins	Saniya Siraj Godil	US
12:15pm - 12:30pm	15 mins	Mehreen T. Kisat	US
12:30pm - 12:45pm	15 mins	Masood Jawaid	Pakistan

Session Nine
E-Poster Session

Sunday, February 13, 2022 | 12:45pm - 02:00pm (Pakistan Time; GMT +5)

Moderators: Rehan Nasir, Sana Zeeshan

Judges: Abdul Rehman Alvi, Hasanat Sharif, Mubassar Fida

Session Ten
Future of Surgical Research
Chair: Asad Ali | Co-Chair: Nida Zahid

Sunday, February 13, 2022 | 02:00pm - 03:45pm (Pakistan Time; GMT +5)

Time	Duration	Title	Faculty
02:00pm - 02:15pm	15 mins	AI: Prospects for surgical specialties	Zahra Hoodbhoy
02:15pm - 02:30pm	15 mins	Qualitative research for surgeons	Regan Bergmark
02:30pm - 02:45pm	15 mins	Big data and AI: Opportunities for developing countries - learning from micro finance experience	Nadeem Hussain
02:45pm - 03:00pm	15 mins	Emerging technology in surgery - The challenges of guiding safe clinical introduction	Steven Schwaitzberg
03:00pm - 03:15pm	15 mins	Bench research and surgeons	Ganesh Shankar

Sunday, February 13, 2022
Ibn Zakariya al-Razi Oration

03:15pm - 03:45pm	30 mins	Surgeons as research leaders and advocates	Edward Cornwell
03:45pm - 04:00pm	15 mins	Break	

Session Eleven
2nd Dean's Quiz Challenge for Surgery Residents

Sunday, February 13, 2022 | 04:00pm - 05:00pm (Pakistan Time; GMT +5)

Institutions:

Liaquat National Hospital, The Indus Hospital, Dow University of Health Sciences, Patel Hospital, Dr. Ziauddin Hospital, Jinnah Postgraduate Medical Center, PNS Shifa, Aga Khan University

Moderators: Shahid Sami, M. Rizwan Khan, Amir Shariff

Closing Ceremony

Sunday, February 13, 2022 | 05:00pm - 05:45pm (Pakistan Time; GMT +5)

05:00pm - 05:05pm	05 mins	Closing Remarks by Conference Chair	M. Shahzad Shamim
05:05pm - 05:15pm	10 mins	Address by Provost & Vice President, Academic, AKU	Carl Amrhein
05:15pm - 05:25pm	10 mins	Address by Vice Provost & Dean, Office of the Provost, AKU	Anjum Halai
05:25pm - 05:35pm	10 mins	SurgFest outcomes	Amir Shariff
05:35pm - 05:40pm	05 mins	Best e-poster award	Rehan Nasir/ Sana Zeeshan
05:40pm - 05:45pm	05 mins	Vote of Thanks by Conference Co-Chair	M. Fazlur Rahman

Conversations with Surgeons (Virtual)
Organised by Surgery Interest Group (SIG)

Sunday, February 13, 2022 | 07:00pm – 08:00pm (Pakistan Time; GMT +5)

"Conversations with Surgeons" will serve as a chance for medical students to meet esteemed surgeons and seek advice regarding their medical careers and research

Room	Aga Khan University Faculty	National & International Faculty
1	Amir Shariff	Tamara Fitzgerald, Duke University, USA
2	Haroon Tayyab	Mahim Malik, Rawalpindi Institute of Cardiology, Rawalpindi
3	Hammad Ather	Nabil Wasif, Mayo Clinic, USA
4	Inam Pal	Anam Pal, Rocky Vista University, USA
5	Hina Inam	Usman Ahmad, Cleveland Clinic Foundation, USA
6	Shahzad Shamim	Marilee Freitas, Stamford Health, USA
7	Fazl re Rahman	Nadeem Khurshaidi, Liaquat National Hospital, Karachi
8	Akbar Abbas	Nabil Tariq, Houston Methodist, USA
9	Saulat Fatimi	Roomasa Channa, University of Wisconsin, USA
10	Lubna Vohra	Mumtaz Khan, Cleveland Clinic Foundation, UAE

E-Poster Presentations

Sunday, February 13, 2022
12:30pm - 02:00pm (Pakistan Time; GMT +5)

AASC01: Inflammatory bowel disease causing varicosity in the left ascending lumbar communicant vein mimicking a renal Artery aneurysm; a novel case report and literature review

Shameel Shafqat, Areez Shafqat,
Belal Nedal Sabbah, Wael Khalil Alfehaid,
Syed Shafqat Ul Islam

AASC07: Understanding the incidence of breast cancer; prevalence and predictors of mammography in Karachi, Pakistan

Hania Hasan, Nimra Hasnain, Taha Bin Arif, Ammara Jamil, Jawad Ahmed, Osama Shabbir, Ummesalma Abuzar, Sehrish Alam, Zainab Saifuddin, Maryam Aftab

AASC02: An Artificial Intelligence model for the segmentation of teeth on Orthopantomograms

Niha Adnan, Waleed Bin Khalid,
Fahad Umer

AASC08: Analysis of smile esthetics in skeletal class II subjects treated with maxillary premolar extraction and non-extraction mechanotherapy - A cross-sectional study

Leelan Kanwal, Rashna H. Sukhia,
Mubassar Fida

AASC03: Low-cost peer-taught virtual research workshops for medical students in Pakistan: a creative, scalable, and sustainable solution for student research

Ronika Devi Ukrani, Ayesha Niaz Shaikh,
Russell Seth Martins, Syeda Sadia Fatima,
Hamna Amir Naseem, Mishall Baig

AASC09: Resuscitative endovascular balloon occlusion of aorta versus aortic cross-clamping by thoracotomy for noncompressible torso hemorrhage: A meta-analysis

Saad Khalid, Mahima Khatri, Mishal Shan Siddiqui, Jawad Ahmed

AASC04: Whipple's procedure: a review of a 7-year clinical experience at a tertiary care center

Muhammad Irshad Hussain, Talha Kareem,
Hira Feroze

AASC10: Effect of bone grafting in jump distance on the outcome of immediate implants in anterior maxilla: A systematic review & meta-analysis

Saqib Habib, Kamil Zafar, Farhan Raza Khan

AASC05: Prognostic Indicators of Neuropraxia Following Paediatric Supracondylar Humerus Fractures and the Impact on Surgery Duration

Kiran Abbas, Hamza Sohail, Tahir SN Babar, Erum Sarwar, Anoosh Farooqui,
Raja Muhammad Mussab, Shehanshah M Arqam, Moiz Ahmed

AASC11: Alternative metrics - revisiting the digital impact of scientific research

Nighat Naved, Fahad Umer

AASC06: Scarless endoscopic thyroidectomy using axilla beast approach for better cosmesis

Hira Feroz Akbar, Talha Kareem,
Irfan Javed, Sana Ehsanullah

AASC12: Factors associated with lip incompetency in skeletal class II malocclusion - A cross-sectional study

Wafa Idrees, Mubassar Fida,
Rashna H Sukhia

AASC13: Optimizing the timing of IABP insertion: a retrospective analysis of outcomes in resource-limited settings

Abdul Ahad, Areeba Ahmed Samejo, Mohammad Hamza Bajwa, Narmeen Asif, Hina Inam, Syed Shahabuddin

AASC18: Predictors of short versus prolonged PCICU stay after primary repair of tetralogy of fallot at a tertiary care unit Karachi: A single-center study

Aliya Kemal Ahsan, Shakeel Ahmed, Arshad Sohail, Mujeeb ur Rehman, Ali Raza, Sameer Saleem Tebha, Mohammad Aadil Qamar, Muhammad Moin Ashraf, Haider Ali

AASC14: Evidence-based surgery for transgender breast cancer patients: A clarion call

Shaheer Ahmed, Usama Waqar, Hareem Rauf, Javeria Bilal Qamar, Arrham Hai, Arifa Manzoor

AASC19: Rates of publication of FCPS dissertations in international and national peer-review journals among residents at AKUH; A cross sectional review of 15 years

Ainulakbar Mughal

AASC15: A comprehensive assessment of blood transfusions in elective thyroidectomy using ACS-NSQIP data on 180,483 patients

Usama Waqar, Javeria Tariq, Ahmad Areeb Chaudhry, Haissan Iftikhar, Hasnain Zafar, Syed Akbar Abbas

AASC20: Temporary epicardial pacing wires in isolated CABG: necessity or force of habit?

Mian Mustafa Kamal, Hasanat Sharif, Majid Usman, Shiraz Hashmi, Abdul Ahad, Muhammad Mehdi, Asma Altaf, Muhammad Mussab

AASC16: Assessment and appraisal of the pharmacological DVT prophylaxis in fragility hip fractures in a pelvis and hip surgery unit. A closed loop audit

Sheikh Muhammad Ebad Ali, Marium Mehmood, Sofia Fatima Farooqui, Ahmed Nadeem Abbasi, Naila Zahoor, Humaira Ghous

AASC21: Comparison of ethanol versus citric acid in removal of oil based calcium hydroxide from the apical third of root canal system: An in-vitro experimental study

Nighat Naved, Fahad Umer

AASC17: Barriers to Pakistani women pursuing a surgical career. How can we make a change?

Syeda Anum Zahra, Aamina Mahmood, Sara Fatima Memon, Rameez Naqvi, Shehryar Khan, Kashaf Zaidi, Amaan Mohammad Sharih, Abdullah Khawaja

AASC22: A cross-sectional study looking at the efficacy of a novel mentorship scheme: a 12-month follow-up

Shehryar Khan, Rameez Naqvi, Sara Fatima Memon, Syeda Anum Zahra, Aamina Mahmood, Kashaf Zaidi, Amaan Mohammad Sharih, Abdullah Khawaja, Mustafa Rasheed

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