



## Imran Khan

**Date of birth:** 20 Mar 1983 | **Nationality:** Pakistani | **Sex:** Male | **Phone:**

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**Address:** Ibn SHihab street, Albandariyah district,, EKDA 9257, 34424, Al Khobar, Saudi Arabia (Home)

### ● SHORT INTRODUCTION

#### Short introduction

I am a consultant cardiac surgeon who prioritizes patient care through dedication and professionalism. My specialty is adult cardiac surgery, and I perform most adult cardiac procedures, with an annual volume of about 200 procedures. Additionally, I am in charge of the quality improvement initiatives in the unit.

Driven by patients-centered care, my passion is to incorporate digitalization and AI in cardiac surgery to provide better care to the patients as would be expected in the modern world.

I have also taken keen interest in research. I presented my research at international meetings in Taiwan (oral presentation), Singapore (poster presentation) and Saudi Arabia (oral presentation). I have more than 30 publications in various national and international journals.

Currently, I am undergoing a short training in minimally invasive cardiac surgery at Massa heart hospital, Tuscany, Italy.

### ● PROFESSIONAL BODIES REGISTRATIONS

#### Registration with various professional state bodies

**Current License:** Consultant Cardiac Surgeon  
(Saudi Commission for Health Specialties, No. 16KM0052799)

**Current place of work and designation:**  
Consultant cardiac surgery, Almanah Hospital, Khobar city of Saudi Arabia.

#### Other professional registrations:

Irish Medical Council: IMC No. 507336

Pakistan Medical and Dental Council: No. 14835-N

### ● EDUCATION AND TRAINING

30 NOV 2001 – 18 DEC 2007 Peshawar, Pakistan  
**MBBS** Khyber Medical College, Peshawar, Pakistan

**Website** <https://kmc.edu.pk/> | **Level in EQF** EQF level 6

25 JAN 2010 – 1 JUN 2015 Lahore, Pakistan  
**FELLOWSHIP COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN** College of Physicians and Surgeons Pakistan

**Website** <https://www.cpsp.edu.pk/> | **Level in EQF** EQF level 8

18 OCT 2018 Milan, Italy

**MEMBERSHIP EUROPEAN BOARD OF CARDIOTHORACIC SURGERY (MEBCTS)** European Board of Cardiothoracic Surgery (EBCTS)

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**Website** <https://www.ebcts.org/> | **Level in EQF** EQF level 7

12 DEC 2019 Windsor, United Kingdom

**FELLOWSHIP EUROPEAN BOARD OF CARDIOTHORACIC SURGERY (FEBCTS)** European Board of Cardiothoracic Surgery (EBCTS)

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**Website** <https://www.ebcts.org/> | **Level in EQF** EQF level 8

28 FEB 2020 Glasgow, United Kingdom

**MEMBERSHIP ROYAL COLLEGE OF PHYSICIANS AND SURGEONS GLASGOW (MRCPS-GLASGOW)** Royal College of Physicians and Surgeons Glasgow

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**Website** <https://rcpsg.ac.uk/> | **Level in EQF** EQF level 6

8 MAY 2022 – 11 MAY 2022 Innsbruck, Austria

**TRAINING COURSE FOR MINIMALLY INVASIVE HEART VALVE SURGERY** Innsbruck, LKI Universitätskliniken, Austria,

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**Website** <https://i-med.ac.at/universitaet/index.html.en> | **Level in EQF** EQF level 4

13 JUN 2022 Paris, France

**INTERNATIONAL DIPLOMA IN ECMO & SHORT-TERM RESPIRATORY/CIRCULATORY SUPPORT** La Pitie Salpêtrier University Hospital, Paris, France

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**Website** [pitie-salpatriere.aphp.fr](http://pitie-salpatriere.aphp.fr) | **Level in EQF** EQF level 4

United States

**CHQP (CERTIFIED HEALTH CARE QUALITY PROFESSIONAL)** American Institute for Medical Sciences and Management

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**Website** <https://aimsm.org/> | **Level in EQF** EQF level 4

## ● WORK EXPERIENCE

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 **ALMANA HOSPITAL, KHOBAR, SAUDI ARABIA** – AL KHOBAR, SAUDI ARABIA

**CONSULTANT CARDIAC SURGEON** – 21 JUL 2021 – CURRENT

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### **Responsibilities as consultant cardiac surgeon:**

- Providing evidence-based preoperative, operative and postoperative care to all the patients referred for adult cardiac surgical procedures. (Performing procedures like coronary artery bypass grafting, heart valve replacement and repair, surgery for thoracic aorta, surgery for hypertrophic cardiomyopathy etc)
- maintenance of unit database. Conducting audits and research.
- Taking part in multi-disciplinary meetings
- Unit In-charge Quality Improvement committee
- Unit In-charge academics
- Unit In-charge infection control

 **ALMANA HOSPITAL** – KHOBAR, SAUDI ARABIA

**SENIOR REGISTRAR CARDIAC SURGERY** – 23 AUG 2016 – 14 JUL 2021

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**Responsibilities:** Pre-operative assessment of cardiac and thoracic surgical patients, their surgical preparation and post-operative care. Operating cardiac patients as well assisting the senior colleagues. Attending outpatient clinics, ward rounds and MDT's.

Helping the head of department in administration of the unit and implementing the unit protocols.)

 **OMAR HOSPITAL AND CARDIAC CARE** – LAHORE,, PAKISTAN

**MEDICAL OFFICER CARDIOTHORACIC SURGERY DEPARTMENT** – 9 MAR 2015 – 10 NOV 2015

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**Responsibilities:** Preoperative assessment and preparation of cardiac and thoracic patients. Assistance in operation theatre and doing some procedures independently. Looking after postoperative cardiac and thoracic patients in the intensive care unit.

**Responsibilities:** Carrying out full range of inpatient, outpatient clinical duties and participating in the on-call duties according to the unit roster. Participating in the improvement of quality of patient care. Taking active part in the teaching of junior trainees and other supportive staff. Assisting the consultant surgeons in various procedures and perform procedures independently.

## ● OPERATIVE EXPERIENCE

### Operative experience

I can perform most conventional open-heart procedures CABG, Mitral and aortic valve replacements, surgery for hypertrophic cardiomyopathy, adult congenital procedures like secundum ASD and sinus venosus ASD repairs, David's reimplantation etc.

The log can be provided in the form of a book upon request..

## ● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

## ● PUBLICATIONS

2023

### [Book chapter publication](#)

I contributed the chapter, *LIMA alone Vs LIMA and RIMA*.

Qsous, G. (2023). Key Trials in Cardiothoracic Surgery (1st ed.). CRC Press.

### Research Publications

1.**Khan I.** A review of the Surgical Treatment for Ischemic Heart Failure trial. Asian Cardiovasc Thorac Ann. 2020;218492320957162. doi:10.1177/0218492320957162.

2.**Imran Khan**, Saira Gul, Zafar Tufail, Kamran Khan, Praman Sharma and Abdul Waheed. Primary cardiac synovial sarcoma. Asian Cardiovasc Thorac Ann. 2015 Jul;23(6):713-5. (DOI: 10.1177/0218492314524753). (2015 SJR (SCImago Journal Rank) Score: 0.264).

3.Mazur Piotr; Ząbczyk, Michał; **Khan Imran**; Litwinowicz, Radosława; Iwaniec, Teresad; Kędziora, Anna; Kapelak, Bogusława; Natorka, Joanna. Fibrin clot susceptibility to lysis is impaired after on-pump coronary artery by-pass grafting with tranexamic acid, Blood Coagulation & Fibrinolysis: November 12, 2020 - Volume Publish Ahead of Print - Issue - doi: 10.1097/MBC.0000000000000980.

4.**Imran khan**, Zafar Tufail, Saeed Afridi, Madeeha Iqbal, Tipu Khan, Abdul Waheed. Surgery for Tetralogy of Fallot in Adults: Early Outcomes. Braz J Cardiovasc Surg 2016;31(4):300-3 . (Impact Factor 0.550). DOI: <http://dx.doi.org/10.5935/1678-9741.20160063>.

5.**Imran Khan**, Waseem Riaz, Tipu Khan, Zafar Tufail, Abdul Waheed. Surgical Repair of Post Myocardial Infarction Ventricular Septal Rupture: Experience at a Tertiary Care Hospital. J HK Coll Cardiol 2015; 23:1-5.

6.**Khan Imran**; Khan, Zahid M.; El Refy, Abdelbasset; El Badry, Ahmad Mahmood; and Babiker, Tarig Faisal (2020) "Chylothorax after coronary artery bypass surgery. Report of a case and review of the literature," Journal of the Saudi Heart Association: Vol. 32: Iss. 2, Article 4. <https://doi.org/10.37616/2212-5043.1031>.

7. **Khan I**, Mian HM, Iqbal M, Ijaz H, Tufail Z. Prophylactic use of a preoperative intra-aortic balloon pump in patients with severe left ventricular dysfunction undergoing coronary artery bypass grafting. *Egypt J Cardiothorac Anesth* 2014; 8:97-100.

8. **Khan I**, Shahbaz A, Iqbal M, Khan AR, Riaz W, Sayyed MS, et al. Correlation of tricuspid annular plane systolic excursion with poor outcome in surgery for rheumatic heart valvular disease. *ARYA Atheroscler* 2019; 15(3): 130-5. DOI: <http://dx.doi.org/10.22122/arya.v15i3.1688> (Scopus citation score 1.12).

9. **Khan, I.** A Review of the Surgical Treatment for Constrictive Pericarditis. *ARYA Atherosclerosis Journal*, 2023; 19(4): 180-189. doi: 10.48305/arya.2023.41472.2882

10. Junaaid Fayyaz Khan, **Imran Khan** and Kamran Khan. Mitral Valve Replacement with Preservation of Subvalvular Apparatus in a Patient with Familial Dextrocardia and Situs Solitus. *J Coll Physicians Surg Pak*. 2014 Nov; 24Suppl 3: S161-2. (Doi:11.2014/JCPSP.S161S162). (Impact factor 0.35).

## Research publications

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11. **Imran Khan**, Irfan Azmatullah Khwaja, Saeed Afridi, Samreen Jan, Madiha Iqbal, Abdul Waheed. Coronary Artery Bypass Grafting in Patients with Severe Left Ventricular Dysfunction: Early Outcomes. *J Cardiovasc Dis* 2013; 11(3): 74-77.

12. **Khan I**, Irfan M, Ali IS, Elrefy A, Obeidat YM, Khan Z. Frequency of unplanned re-admissions after coronary artery bypass grafting. Experience at a tertiary care hospital. *Professional Med J* 2024; 31(04):524-530. <https://doi.org/10.29309/TPMJ/2024.31.04.7721>

13. **Imran Khan**, Ammar Hameed Khan, Saira Gull, Sameena Kausar, Madeeha Iqbal, Abdul Waheed. Incidence and Predictors of Delirium in Postoperative Coronary Artery Bypass Surgery patients in Pakistani Population. *Pakistan Journal of Medical and Health Sciences* Vol. 8, Issue 1, Jan – Mar 2014.

14. **Imran Khan**, Tipu Khan, Abdul Waheed. Left ventricular myxoma with coronary artery disease presenting as stroke - a case report. *Pak Heart J* 2012 Vol. 45 (03): 210 – 213.

15. **Imran Khan**, Saira Gul, Saba Riaz, Madiha Iqbal, Shumaila Afshan, Abdul Waheed. Effect of Preoperative Anemia On Outcome After Cardiac Surgery. *J Cardiovasc Dis* 2013; 11(3):65 -69.

16. **Imran Khan**, Saira Gull, Junaaid Fayyaz Khan, Zafar Tufail, Kamran Khan, Abdul Waheed. Mitral valve repair for ischemic mitral regurgitation: experience at a tertiary care hospital. *Pak Heart J* 2013 Vol. 46 (04): 260-264.

17. **Imran Khan**, Irfan Azmatullah Khwaja, Ajwad Farogh, Hadia Mannan Mian, Madiha Iqbal, Zia Ur Rehman. Heparin; Does heparin resistance lead to poor early outcome in patients undergoing on pump coronary artery bypass grafting? *Professional Med J* 2018;25(3):340-344. DOI:10.29309/TPMJ/18.4702.

18. **Imran Khan**, Hadia Mannan Mian, Muhammad Mahmoud Saleh. An audit of Knowledge and care of ventilator associated pneumonia in intensive care setup. *Pak J ChestMed* 2019; 25 (3):59-63.

19. **Khan I**, Irfan M, Khan F, Refy AE, Khan Z, Obeidat Y. Timing of coronary artery bypass grafting in patients with myocardial infarction. Is the earlier the better? *Professional Med J* 2024; 31(03):338-344. <https://doi.org/10.29309/TPMJ/2024.31.03.7719>.

20. Siddiqeh M, **Khan I**, Farid Z, Fakhar e Fayyaz, Anjum Q. Early outcomes of mitral valve replacement with a mechanical prosthesis for rheumatic mitral valve disease. *Professional Med J* 2020; 27(10): 2266-2270. DOI: 10.29309/TPMJ/2020.27.10.5888.

## research publications

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21. Siddiqeh, M., **Khan, I.**, Fayaz, F., Janjua, A., Zamir, A., & Mushtaq, A. (2021). Beating heart mitral valve replacement. Experience at a tertiary care hospital. *Pakistan Armed Forces Medical Journal*, 70(Suppl-4), S809-13. <https://doi.org/10.51253/pafmj.v70iSuppl-4.6029>.

22. Ammar Hameed Khan, **Imran Khan**, Saira Gull, Junaid Fayyaz Khan, Madeeha Iqbal, Abdul Waheed. Acute Kidney Injury after adult Cardiac Surgery with Cardiopulmonary Bypass: Incidence and Predictors. Pakistan Journal of Medical and Health Sciences Vol. 8, Issue 1, Jan – Mar 2014.
23. Siddiqeh, M., **Khan, I.**, Zamir, A., Janjua, A., Munir, B., & Anjum, Q. (2021). Does auto transfusion of unprocessed residual blood in the cardiopulmonary bypass circuit lead to unfavorable outcomes? Pakistan Armed Forces Medical Journal, 70(Suppl-4), S819-23. <https://doi.org/10.51253/pafmj.v70iSuppl-4.6031>.
24. Siddiqeh, M., **Khan, I.**, Fayaz, F.- e-, Hasan Kirmani, S. M., Hamshary, M. E., ., W., Khan, Z. M., & Javaid, R. (2022). Incidence and Predictors of Postoperative Atrial Fibrillation after Coronary Artery Bypass Grafting Surgery. Pakistan Armed Forces Medical Journal, 72(SUPPL-3), S599-603. <https://doi.org/10.51253/pafmj.v72iSUPPL-3.9563>.
25. Siddiqeh, M., **Khan, I.**, Fayyaz, F.- e-, Dawood, M. A., Hasan Kirmani, S. M., Khurshid, H., & Javaid, R. (2022). The Effect of Body Mass Index on Bleeding After on Pump Coronary Artery Bypass Grafting. Pakistan Armed Forces Medical Journal, 72(SUPPL-3), S570-75. <https://doi.org/10.51253/pafmj.v72iSUPPL-3.9556>.

## Research publications

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26. Siddiqeh M, Mirza WJ, Iqbal J, **Khan I**, Mangi AR, Dawood MA, Quershi QA, Mushtaq A. Conventional Weight-Based Versus Low-Dose Regimen of Heparin Administration to Achieve Target Activated Clotting Time on Cardiopulmonary Bypass in Pakistani Population. Ann Pak Inst Med Sci. 2021; 17(1): 34-37.doi. 10.48036/apims. v17i1.498
27. Siddique, M., Mirza, W., Khan, N., Majeed, S., & **Khan, I.** (2021). Mediastinal thymic cyst in a 50-year-old male. Pakistan Armed Forces Medical Journal, 70(Suppl-4), S909-11. <https://doi.org/10.51253/pafmj.v70iSuppl-4.6010>
28. Muhammad Saeed Afridi, Asif Mushtaq, **Imran Khan**, Ashfaq Ahmad, Javed Ahmad, Nouman Ahmad. A Comparison of two Priming solutions: Ringer's lactate Versus Hydroxyethyl Starch Solution. J Cardiovasc Dis 2014;12(2):42 -45.
29. Tayyab Pasha, Aamer Iqbal Qureshi, Hafiz Moazzam Ali, **Imran Khan\***, Muhammad Aamir, Salman Arif, Ayesha Siddiq. Early outcomes and quality of life after radial artery use in coronary artery bypass grafting. J Cardiovasc Dis 2014;12(2):26 -29.
30. Muhammad Imran Khan, Jawad Khalil, Hameed Khan, Akhtar Ghani, **Imran Khan**. Is Medical Expulsive Therapy an Option for Ureteral Calculi? Journal of Surgery Pakistan (International) 16 (2) April - June 2011.
31. Hira Ijaz, Junaid Qureshi, Muhammad Zaman, Imran Waheed, **Imran Khan**, Mohamed Abdel-Daim. Pharmacotherapy versus Psychotherapy in the Management of Male Bipolar Disorder at Pakistan Institute of Mental Health, Lahore, Pakistan. Proceedings of the Pakistan Academy of Sciences 51 (3): 235–240 (2014).
32. Ijaz H, Tulain UR, Qureshi J, et al. Review: Nigella sativa (Prophetic Medicine): A Review. Pak J Pharm Sci. 2017;30(1): 229-234.

## EDITORIAL BOARDS/REVIEWER

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### Editorial boards/Reviewer

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I have been the managing editor of 'The Journal of Cardiovascular disease' published quarterly from Punjab Institute of Cardiology from 2014 to 2017.

<http://www.jcvdpic.org/index.php?q=node/6>. Currently I am an international reviewer for the journal.

I am a reviewer for the Cureus Journal of Medical Sciences (PubMed Indexed).

I am also reviewing The Journal of Cardiac Surgery (JoCS) which is among the top 5 cardiac surgical journals in the world (impact factor).

## CONFERENCES & SEMINARS

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30 MAR 2013 Karachi, Pakistan

### 1. 9th Annual National Conference: Quality Assurance and Education organized by Pakistan Society of Cardiovascular and Thoracic Surgeons

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Presentation topic: Cardiac Surgery Database: How do we do it!

30 OCT 2019 Taipei, Taiwan

## 29th Annual Congress of the Association of Thoracic and cardiovascular Surgeons of Asia

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**Title of abstract presented:** Chylothorax after coronary artery bypass grafting. Report of a case and review of management strategies

14 OCT 2022 Riyadh, Saudi Arabia

## 33rd Saudi Heart Association Annual Hybrid Conference

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**Title of abstract presented:** The Effect of Body Mass Index on Bleeding After on Pump Coronary Artery Bypass Grafting

21 FEB 2014 Multan, Pakistan

## 2. 9th Biennial International Conference of the Pakistan Society of Cardiovascular and Thoracic Surgeons

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**ABSTRACT Presented:** Repair of post myocardial infarction ventricular septal rupture: In hospital outcomes

16 OCT 2014 Lahore, Pakistan

## PIC Heart Talk (Punjab Institute of Cardiology)

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**Presentation TOPIC:** CABG OR PCI in Post CABG Myocardial Ischemia, the choices and challenges!!

6 MAR 2015 Lahore, Pakistan

## 10th Annual Conference 2015: Pakistan Society of Cardiovascular and Thoracic Surgeons

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**ABSTRACT Presented:** CABG in patients with Severe Left Ventricular Dysfunction. Early outcomes.

19 NOV 2015 Lahore, Pakistan

## 5. 45th Annual Conference Pakistan Cardiac Society 2015 and PIC Heart Talk 2015

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**TOPIC:** Renal cell carcinoma involving right atrium: Management

10 OCT 2013 Singapore

## 1. 23rd annual congress of the Association of Thoracic and Cardiovascular Surgeons of Asia (Poster presentation)

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**Poster presentation:** Incidence and Predictors of Delirium in Postoperative Coronary Artery Bypass Surgery patients in Pakistani Population.

10 MAR 2013 Riyadh, Saudi Arabia

## 28th Annual Conference of the Saudi Heart Association,

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**Poster presentation:** Correlation of Tricuspid Annular Plane Systolic Excursion with Poor Outcome in Surgery for Rheumatic Heart Valvular Disease.

3 APR 2014 Istanbul, Turkiye

## o 22nd Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery

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**ABSTRACT:** Acute Kidney Injury after adult Cardiac Surgery with Cardiopulmonary Bypass: Incidence and Predictors

Abstract was accepted for presentation but I could not attend the meeting because of lack of funds.

Various locations

## Conferences attended as participant only

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1. 8<sup>th</sup> Biennial International Conference of the Pakistan Society of Cardiovascular and Thoracic Surgeons  
11<sup>th</sup> to 13<sup>th</sup> May 2012  
Bhurban, **Pakistan**

2. 8<sup>th</sup> Saud Al Babbain Cardiac Centre International Cardiac Congress, 4<sup>th</sup> ESC-SHA Joint Meeting and 1<sup>st</sup> SSCS-EACTS Joint Meeting  
18<sup>th</sup> to 20<sup>th</sup> November 2016  
Dammam, **Kingdom of Saudi Arabia**

3. 32<sup>nd</sup> EACTS Annual Meeting **Milan, Italy**  
18<sup>th</sup> to 20<sup>th</sup> October 2018

4. 34<sup>th</sup> **EACTS Annual meeting, Barcelona.** (Held virtually)  
8<sup>th</sup> October to 10<sup>th</sup> October 2020

5. 9th International **Aortic Summit**, Chennai, India. 12-13<sup>th</sup> December 2020 (Virtual)

6. **AATS** (American Association of Thoracic Surgeons) May 2021. (Virtual)

7. Cardiopulmonary strategies for frozen elephant trunk. Jan 2021. (**European Board of Accreditation in Cardiology**).

8. 32<sup>nd</sup> Annual Conference of the **Saudi Heart Association**, 7<sup>th</sup> to 9<sup>th</sup> October 2021. (Virtual)

various locations

## **Lectures and Clinicopathologic conferences attended as Speaker**

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### **Lectures/clinicopathological conferences (As speaker)**

#### **1.Symposium (As speaker):**

Updates in Cardiology and Cardiac Surgery

February 28, 2017.

Speech topic: Myocardial revascularization: What's new.

Venue: Al Mana General Hospital, Saudi Arabia

#### **2.Workshop (As speaker):**

Communication Skills for medical students

6<sup>th</sup> November 2011

Speech topic: Talking it out

Khyber Medical College Peshawar

#### **3. Symposium (As speaker)**

Heart valve surgery: Contemporary practices

29<sup>th</sup> September 2018 (World Heart Day)

Al Mana General Hospital, Dammam, KSA

**4.Clinico-pathological conference attended as speaker** during general surgery residency at Khyber Teaching Hospital Peshawar (2011)

TOPIC: Pheochromocytoma and Adrenalectomy

**5.Clinico-pathological conferences attended as speaker** during cardiac surgery residency at Punjab Institute of Cardiology, Lahore (2012-2015).

a. Left ventricular pseudo-aneurysm: A surgical perspective

b. CABG OR PCI in Post CABG Myocardial Ischemia, the choice and challenges!

c. Surgical repair of Post-Myocardial Infarction Ventricular Septal rupture: In-hospital outcome.

d. Repair for Ischemic Mitral regurgitation: Controversies, innovations and our experience.

e. Primary Cardiac Synovial Sarcoma, presentation of a rare case.

#### **6. Symposium (As speaker):**

Cardiac Surgery in 2018

January 25, 2018

Speech topic: Trials in Cardiac Surgery

Venue: Al Mana General Hospital, Saudi Arabia

#### **7. Symposium (As speaker)**

(Cardiology and Cardiac Surgery at the cross roads)

27<sup>th</sup> September 2019

Topic: Transparency in cardiac surgery: Are we there yet?

Venue: Le Meridian Al Khobar, Saudi Arabia

## **8. Symposium (As speaker and organizer)**

Updates and challenges in cardiac medicine

29<sup>th</sup> September, 2022

Topics: Trials under trials

Venue: Sofitel Hotel, Al Khobar

Almana Hospital, Saudi Arabia

## **SKILLS**

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word | EXCEL | Powerpoint | SPSS

## **LEADERSHIP AND HEALTH CARE QUALITY**

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### **Various courses and contributions in Leadership and Health Care Quality**

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1. **Planetree Organization.** Facilitator for Experiential Education (Patient centred care) and Empathy. 2021 till date.

1. **Institutional Review Board:** I am a member of the institutional ethical review board of my hospital.

1. Introduction to Mentoring. **Royal College of Surgeons and Physicians Glasgow.** 14<sup>th</sup>-16<sup>th</sup> December, 2021.

1. Clinical Teaching Skills and Work-Based Assessment. 28<sup>th</sup> September to 1<sup>st</sup> October 2021. **Saudi Commission for Health Specialities.**

1. **Quality improvement initiative.** Blood transfusion policy.

## **CONTINUING MEDICAL EDUCATION/ COURSES AND WORKSHOPS/NATIONAL AND INTERNATIONAL**

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### **Courses and workshops**

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1. Masterclass in critics appraisal research methodology in surgical literature. **Royal college of surgeons of Glasgow.** February 2023 (online)

2. Evidence based clinical practice. (**Prof Gordon Guyatt, McMaster University Canada**). May 2023. **King Faisal Specialist Hospital, KSA**

3. Protecting Human Research Participants course  
January 2023

4. Heart valve surgery: preparing for the future  
(**Singapore**, 10th October 2013)

5. Fundamentals in Cardiac Surgery.

(European Association of Cardiothoracic Surgery)  
5th February to 9th February 2018.

**Windsor, United Kingdom**

6. Birmingham review course in cardiothoracic surgery. **Heartlands hospital, Birmingham, UK.** 19<sup>th</sup> September to 22<sup>nd</sup> September 2019.

7. Birmingham review course in cardiothoracic surgery. **Heartlands hospital, Birmingham, UK.** 17th and 18th September 2020. (Virtual)

8. Birmingham review course in cardiothoracic surgery. **Heartlands hospital, Birmingham, UK.** 23<sup>rd</sup> September to 27<sup>th</sup> September 2021. (Virtual)

9. Thoracic Surgery Series 2021. **EACTS**

10. Advanced Cardiac Life Support course



11. Basic Life Support course

Saudi Heart Association (2017)

12. Research analysis with SPSS symposium and workshop. 30<sup>th</sup> to 31<sup>st</sup> January 2018. Mohammad Al Mana College for Health Sciences.

13. Synopsis Understanding and Development, October 10th-11th 2014. Pakistan

14. Primary Trauma Care, 19th and 20th December 2006. (NWFP PTC Faculty), Pakistan

15. Workshop on Communication Skills, (CPSP), 8th to 10th September 2011, Pakistan

16. Workshop on Research Methodology, Biostatistics and Dissertation Writing, (CPSP),

19th September to 22nd September 2011, Pakistan

17. Workshop on Primary Surgical skills, (CPSP), 25th October to 27th October 2011, Pakistan

18. AIMS Diabetes Care 27th November 2004, Pakistan

19. 23rd National Thalassemia conference and Workshops (April 21-23,2006), Pakistan

## ● **ONLINE COURSES**

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### **Online courses**

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1. 13th Annual Duke Masters of Minimally Invasive Thoracic Surgery, 25<sup>th</sup> September 2020. (Duke university)
2. ACCA webinar on Cardiac Arrest. 22 May 2014.
3. Systematic review and meta-analysis workshop, 7<sup>th</sup> November 2020 and June, 2024.
4. New horizons in the surgical management of atrial fibrillation, Royal College of Surgeons of Edinburgh, 19<sup>th</sup> August 2020.
5. European Society of Cardiology webinar on Acute aortic diseases. 22 January 2015.
6. European Society of Cardiology webinar on Current management of stable coronary artery disease. Diagnosis, medical treatment and options for revascularization. 18 February 2015.
7. ESC webinar on Acute Pulmonary Embolism. 25 September 2015.
8. La Pitie Digital ECMO course, Paris, France. 25<sup>th</sup> to 27<sup>th</sup> November 2020.
9. Advanced Courses in AORTA: MIS technics of valve repair & Aortic Cross surgical approaches on September 30th, 2021 9By Peters surgical)

## ● **NETWORKS & MEMBERSHIPS**

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### **Various Professional Societies memberships**

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1. Associate Fellow American College of Surgeons. Membership NO. 03309449

#### **SOCIETY MEMBERSHIPS**

2. Member European Association for Cardiothoracic Surgery **EACTS**

**(Membership No. 352809)**

3. Asian Society of Cardiovascular and Thoracic Surgeons

**(ASCVTS). Membership No. 529**

4. World Society of Cardiovascular and Thoracic Surgeons **(WSCTS)**

**Membership No. A 00107.**

4. Association of Thoracic and cardiovascular Surgeons of Asia **(ATCSA)**