DR. QURBAN HUSSAIN KHAN

Cardiac Electrophysiology | FHRS | Healthcare Leadership | Systems Transformation

MBBS, BSc (Hons), FCPS (Cardiology), FCPS (Clinical Cardiac Electrophysiology), FHRS, IBHRE-CEPS, IBHRE-CCDS

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PROFESSIONAL PROFILE

Cardiac Electrophysiologist with dual FCPS certification, Fellowship of the Heart Rhythm Society (FHRS), and internationally recognized IBHRE credentials. Currently Associate Professor of Cardiac Electrophysiology and Medical Superintendent at the Rawalpindi Institute of Cardiology. Combines invasive electrophysiology expertise with leadership in healthcare systems, postgraduate training, research, and quality improvement.

CLINICAL & PROCEDURAL EXPERIENCE

- Independent operator in electrophysiological studies and catheter ablation (SVT, AF, VT)
- Device implantation: Pacemakers, ICDs, CRT systems
- Advanced electroanatomic mapping (3D/HD systems)
- Since 2022, I have served as independent operator for 300+ catheter ablations and 400+ cardiac rhythm device implantations, with substantial hands-on experience across diagnostic EP studies, ablation, and device therapy.
- Experience across both routine and complex arrhythmia cases in a tertiary care setting

APPOINTMENTS

- Medical Superintendent (Additional Charge), Rawalpindi Institute of Cardiology (2025–Present)
- Associate Professor of Cardiac Electrophysiology, Rawalpindi Institute of Cardiology (2026–Present)
- Assistant Professor of Cardiac Electrophysiology, Rawalpindi Institute of Cardiology (2022–2026)
- Senior Registrar Cardiology, RIC (2021–2022)
- Cardiac Electrophysiologist, Bahria International Hospital (2020–2022)
- FCPS Fellowship Training – Clinical Cardiac Electrophysiology, AFIC (2018–2020)
- FCPS Fellowship Training – Cardiology, AFIC (2013–2016)

LEADERSHIP EXPERIENCE

- Oversight of tertiary cardiac hospital with >3,000 OPD patients/day
- Led operational improvements including infection reduction and service expansion
- Experience in healthcare administration, governance, and systems management
- Achieved ISO certification with Rawalpindi Institute of Cardiology in May 2026

EDUCATION & QUALIFICATIONS

- FCPS Clinical Cardiac Electrophysiology – 2021
- FCPS Cardiology – 2018

- Certificate of Health Professions Education (CHPE) – 2022
- MBBS – University of Southampton – 2004
- BSc (First Class Honours) – 2003

INTERNATIONAL FELLOWSHIPS & CERTIFICATIONS

- Fellow of the Heart Rhythm Society (FHRS) – 2026
- IBHRE Certified Electrophysiology Specialist – 2020
- IBHRE Certified Cardiac Device Specialist – 2021
- ESC Certified Heart Failure Specialist – 2024
- ACLS & BLS (AHA) – 2025

ACADEMIC & TEACHING ROLES

- Clinical Supervisor – FCPS Electrophysiology Program
- Clinical Supervisor – MD Electrophysiology Program
- Active role in postgraduate teaching and mentoring

PUBLICATIONS

1. Evidence of differing genotypic effects of PPAR-Alpha in women and men, Q H Khan et al, Journal of Medical Genetics, 2004, 41, e79.

2. Difference in mortality between acute STEMI patients treated with thrombolysis and primary PCI, Qurban Khan et al, Pak Armed Forces Med J 2015, 65 (Suppl); S56-59

3. Basal bolus insulin therapy vs sliding scale insulin in the management of type 2 diabetes patients in the coronary care unit, Qurban Khan et al, Pak Armed Forces Med J 2015, 65 (Suppl); S60-63

4. Ghani I, Rehman WU, Khan MQ, Aziz S, Siddiqa A, Khan Q, Naseem S, Farooq MA. IN-HOSPITAL MORTALITY IN ELDERLY (> 75 YEARS) PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION (PCI) WITH ACUTE ST ELEVATION MYOCARDIAL INFARCTION AT AFIC-NIHD RAWALPINDI. Pakistan Armed Forces Medical Journal. 2015 Mar 31;65(SUPPL)):S70-4.

5. Primary Percutaneous Intervention (PCI) in a saphenous vein graft, Shahid Abbas & Qurban Khan, Pak Armed Forces Med J 2016, 66 (Suppl); S228-229

6. Kamal H, Siddiqa A, Hayat A, Zahid M, Jalal A, Khan QH, Faryal N, Ahmad KE, Inam H. Success of elective cardioversion in persistent atrial fibrillation patients with or without diastolic dysfunction as assessed by left atrial volume index. Pakistan Armed Forces Medical Journal. 2019 May 13;69(Suppl 1):S141-47.

7. Khan QH, Asad M, Khan ZA, Kamal H, Shabbir M, Hayat A. Ablation of incisional atrial flutter using the Rhythmia high density mapping system. Pakistan Armed Forces Medical Journal. 2019 May 12;69(Suppl 1):S172-3.

8. Khan QH, Asad M, Hayat A, Shabbir M, Kamal H, Khattak ZA. Electroanatomic mapping of left and right ventricles in a patient with ventricular ectopy using the Carto 3 three dimensional mapping system. Pakistan Armed Forces Medical Journal. 2019 Nov 29;69(Suppl-3):S509-10.

9. Asad M, Khan QH, Hayat A, Shabbir M, Naseem A, Shah N, Khadim R. Tricuspid valve regurgitation in patients undergoing endocardial leads placement. Pakistan Armed Forces Medical Journal. 2020;70(Suppl-4):S721-25

10. Khan QH, Asad M, Baloch W, Naseem MM, Shabbir M, Hayat A. Evaluation of orthostatic hypotension by using HUTT. Pakistan Armed Forces Medical Journal. 2020;70(Suppl-4):S737-40

11. Asad M, Khan QH, Baloch MW, Khan KA, Naseem MA, Hayat A, Shah N. Implantable cardiac device infection-a clinical audit. Pakistan Armed Forces Medical Journal. 2020;70(Suppl-4):S871-75.

12. Naseer, M. A., Hayat, A., Abbas, S., Jabeen, B., Khan, Q. H., Asad, M., ... & Khan, A. (2021). The effect of ventricular pre-excitation in WPW syndrome patients, on left ventricular wall motion and systolic function, pre and post radiofrequency ablation of accessory pathway. *PAFMJ*, *71*(Suppl-2), S403-08.

13. Asad, Muhammad, Kashif Khan, Muhammad Talha Bin Nazir, Muhammad Ali, Atif Nazir, Hamid Sharif Khan, Aleena Khan, Shanzah Khan, and Qurban Hussain Khan. "Age and gender related outcomes in patients undergoing head up tilt test for vasovagal syncope." *PAFMJ* 71, no. Suppl-2 (2021): S368-71.

14. Naseem, Muhammad Amer, Azmat Hayat, Bushra Jabeen, Shahid Abbas, Muhammad Asad, Qurban Hussain Khan, Aleena Khan, and Muhammad Awais. "Numeric value of left atrial appendage mean diastolic emptying velocity in patients with persistent atrial fibrillation, assessed by transesophageal echocardiography for prediction of restoration of sinus rhythm undergoing direct current cardioversion." *PAFMJ* 71, no. Suppl-2 (2021): S327-32.

15. Asad M, Khan QH, Hayat A, Khadim R. Initial Experience in Ablation of Non-coronary Cusp PVCs by using High-density Mapping System (Rhythmia). Journal of the College of Physicians and Surgeons--Pakistan: JCPSP. 2022 Apr 1;32(4):S6-8.

16. Asad M, Nazir TB, Khan QH. Ventricular Tachycardia as a first Presentation of Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) in a Previously Asymptomatic Sexagenarian. Pakistan Heart Journal. 2022 Dec 31;55(4):413-6.

17. Nazir F, Nazir MT, Khan QH, Javed MU. Assessing the Effectiveness of the PADIT Score in Predicting CIED Infections: Insights from a Tertiary Care Center. Pakistan Heart Journal. 2025 Mar 30;58(1):59-64.

18. Javed MU, Nazir MT, Khan QH, Nazir F, Awais M. Efficacy of Beta-blockers vs. Calcium Channel Blockers for Outflow Tract Ventricular Ectopy. Pakistan Heart Journal. 2025 Sep 17;58(s2):96-102.

19. Najam M, Shabbir M, Khan QH, Rauf A, ur Rahman W. Role of Programmed Ventricular Extrastimulation in Differentiating Atrioventricular Nodal Re-entrant and Atrioventricular Re-entrant Tachycardias in Supraventricular Tachycardias. Pakistan Armed Forces Medical Journal. 2025 Dec 31;75(6):1261.

20. Yezza AJ, Hussain M, Butt HM, Khan QH, Ramani AK, Perveen A, Khan MZ, Abdullah FN, Malik J. Outcomes of Supraclavicular Access in Temporary Pacemaker Implantation. Annals of Noninvasive Electrocardiology. 2026 Jan;31(1):e70132.

21. Nazir MT, Javed MU, Khan QH, Nazir F, Awais M. Zero-Fluoroscopy Catheter Ablation of Atrioventricular Nodal Reentrant Tachycardia Using Intracardiac Electrogram-Guided Mapping with Adjunctive Transthoracic Echocardiography: A Feasibility Case Report from a Resource-Limited Setting. Pakistan Heart Journal. 2026 May 1;59(2):494-9.

PROFESSIONAL AFFILIATIONS

- Fellow – Heart Rhythm Society (FHRS), USA – 2026
- British Heart Rhythm Society
- Finance Secretary – Pakistan Heart Rhythm Society