Curriculum Vitae

**Dr. Ghulam Rasool Maken**

**FCPS Cardiology,FCPS Medicine**

**MRCP (UK),**

**Fellowship Interventional cardiology (UK)**

**Medical Specialist& Cardiologist**

**AFIC/NIHD Rawalpindi**

**Pakistan**

PERSONAL DETAILS

Name: Ghulam Rasool Maken

Date of birth: 20.03.1974

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SPECIALITY

Cardiology

REGISTRATION DETAILS

**Registered with Pakistan Medical and Dental Council, Pakistan.**

**Registration number PMDC** 32902-P

**GMC UK** 7512469

QUALIFICATIONS

* **Fellowship Interventional Cardiology (UK)** 5th September 2016 to 29th September 2017
* **FCPS Cardiology**: 2014, College of Physicians and Surgeons, Pakistan.
* **MRCP (UK)** 2011, Royal College of Physicians England, London.
* **FCPS (Medicine)** 2005, College of Physicians and Surgeons, Pakistan.
* **CERTIFICATE OF TRAINING IN GENERAL MEDICINE** 2002-2004 Armed Forces Post Graduate Medical College (AFPGMI), Rawalpindi.
* **MBBS**  1997, Army Medical College Rawalpindi, Pakistan. Quaid e Azam University, Islamabad.

CLINICAL POSTS HELD

1. **CONSULTANT INTERVENTIONAL CARDIOLOGIST AFIC/NIHD RAWALPINDI**

29th September 2017 TO DATE

AFIC/NIHD is a high volume tertiary care interventional cardiology centre. I am working as Consultant Interventional Cardiologist. My coronary work includes complex percutaneous coronary intervention with use of intravascular imaging and use of ancillary equipment as Excimer Laser Coronary Atherectomy(ELCA) and Rotablation. I am part of structural heart disease team at my institute and doing Transcatheter Aortic Valve Implantation (TAVI), EndoVascular Aortic Repair (EVAR) and Thoracic EndoVascular Aortic Repair (TEVAR).

1. **FELLOWSHIP INTERVENTIONAL CARDIOLOGY (UK)** 5th September 2016 to 29th September 2017

It was full time hands on training in interventional cardiology at University Hospital Birmingham (UHB) UK. UHB is tertiary care centre for cardiology with well developed interventional cardiology department. I got an opportunity to do complex PCI with use of intracoronary imaging as IVUS/ OCT and ancillary equipment as rotablation and Laser.

1. **CLASSIFIED MEDICAL SPECIALIST AND CARDIOLOGIST COMBINED MILITARY HOSPITAL KHARIAN**

1st August 2013 to 5th September 2016

Working as Classified Medical Specialist and Cardiologist at 750 beded hospital, I looked after all cardiac patients both indoor (including CCU) and outdoor departments and established new coronary care unit that significantly improved cardiac care at this hospital.

1. **SPECIALIST REGISTRAR CARDIOLOGY, ARMED FORCES INSTITUTE OF CARDIOLOGY AND NATIONAL INSTITUTE OF HEART DISEASES, THE MALL RAWALPINDI, PAKISTAN. 29 July to 28 July 2013**

* After passing the fellowship examination in general medicine and working as a general physician for about five years, I was selected through a competetive exam for specialist training in cardiology at AFIC/NIHD.
* AFIC/NIHD is a Teaching hospital and a dedicated tertiary care referral institute for cardiac diseases. This institute also provides cardiac care facilities to the Pakistan Army troops and their families. It has five cardiac catheterization laboratories and four fully functional operation theatres. We perform around 7000 coronary angiograms, about 2000 percutaneous coronary interventions, and almost 1500 open-heart cases annually, which include pediatric cases as well as adult cardiac patients.
* Training is supervised and structured with two days a week cardiac cath labs, two Echocardiography days and once weekly outpatient clinics.
* I assisted all the cardiologists on rotation and learned the percutaneous procedures skills in ischemic heart disease and valvular heart disease patients.
* Performed cases under direct supervision and then independently.
* My job was an extensive Full-time residency training programme.  During my stay here, I have gained vast experience of various cardiovascular procedures including securing of central lines (both through sub-clavian and internal jugular routes), CVP care & monitoring, endo-tracheal intubations, radial artery canulation, pericardio-centesis as well as passing and monitoring of IABPs.
* Along with this, I have done more than 2,000 independent coronary angiograms (including graft studies) and 40 independent PCIs including 10 primary PCIs. Almost 90 % of my coronary work was through radial access.
* Among the peripheral angiograms I have done 30, 4 vessel cerebral angiograms, 50 lower limb arteriograms, 20 upper limb arteriograms and 10 renal angiograms.
* In addition, I have passed around 100 temporary pace-makers, 10 permanent pace makers and assisted ICD, CRT implantation and ElectroPhysiologic Studies.
* I have assisted 30 PTMC procedures and have performed 5 PTMC procedures under supervision.
* Learned the ventilation techniques along with circulatory support management.
* Emergency reception and Intensive care management was also part of the training and the resident duties were performed in the Emergency Reception and CCU.
* Participated in monthly cardiology departmental audit and attended the weekly cath. Conference and cardiology meetings.
* Looked after indoor patients that involved clinical as well as non invasive and invasive assessment and followup management.
* Attended cardiology and cardiac surgery conferences, organized by our institute and presented papers as well.
* I was actively involved in teaching of paramedical staff and medical students of Army Medical College, Rawalpindi, attached with our hospital.

1. **CLASSIFIED MEDICAL SPECIALIST COMBINED MILITARY HOSPITA L, DERA ISMAIL KHAN.**

January 2009 – July2010

* Working as a consultant in Internal Medicin, Providing Specialist cover to ICU of Combined Military Hospital Dera Ismail Khan. I am skilled in performing Central venous cannulation, Arterial lines, Lumbar punctures, Liver, Pleural biopsies, Peritoneal & Pleural aspirations, Sengstaken-blackmore esophageal balloon placement, Endotracheal intubations and ventillator management.
* I independently managed all medical emergencies and routine medical cases including indoor and outdoor patients.
* Job Description:  51 hours of clinical practice/ week. Full-time job.

1. **COMBINED MILITARY HOSPITAL (CMH), RAWALAKOT AZAD KASHMIR , PAKISTAN.**

Dec 2005  to Dec 2008.

* Classified Medical Specialist in one of the major hospitals in the area with dependent population of about 1.5 million. This was the biggest hospital of the region,and included a 8-bed ICU.
* Working as a consultant in Internal Medicin, Providing Specialist cover to ICU of Combined Military Hospital Rawalakot. Was looking after the male and female medical wards and outpatient clinics.
* I performed Central venous cannulation, Arterial lines, Lumbar punctures, Liver, Pleural biopsies, Peritoneal & Pleural aspirations, Sengstaken-blackmore esophageal balloon placement, Endotracheal intubations and ventillator management.

1. **GENERAL DUTY MEDICAL OFFICER 75 FIELD MEDICAL UNIT AND COMBINED MILITARY HOSPITAL QUETTA, PAKISTAN -**

Mar 2004 to Dec 2005

* Served in a Field Hospital of the Pakistan Army and involved in the management of patients in a near by Combined Military hospital, Quetta ; I looked after outdoor and indoor patients. This was continuation of the postgraduate specialist training in general medicine under recognition of the Armed Forces Post Graduate Medical Institute.
* The training was supervised and involved indoor and out patient clinic on alternate days. Would run the out patients clinic independently.
* Performed all kinds of emergency procedures when on call.

1. **SENIOR RESIDENT IN GENERAL (INTERNAL) MEDICINE   ARMED FORCES POSTGRADUATE MEDICAL INSTITUTE, PAKISTAN.** Senior Resident in General (Internal) Medicine; 28 April 2003 – 5 March 2004

* Postgraduate training in Internal Medicine as full time resident at the Military Hospital (MH) and Combined Military Hospital (CMH) Rawalpindi. Training was evaluated by regular 4-monthly written exam and OSCE. This phase included being Registrar of the Intensive Treatment Center, a 12 bed critical care facility at the MH.

1. **REGISTRAR GENERAL MEDICINE MILITARY HOSPITAL RAWALPINDI, PAKISTAN.** Junior Resident in General (Internal) Medicine; 29 April 2002 – 28 April 2003

* Training Supervisor:   Maj. Gen. M. Naeem Khan, FCPS(Pak), DCN (London)Professor of Medicine, Army Medical College; Advisor in neurology, Pakistan Armed forces.
* Started my specialist training in general medicine.
* Postgraduate training in Internal Medicine as full time resident at the Military Hospital (MH) and Combined Military Hospital (CMH), both in Rawalpindi, Pakistan. Together these hospitals cared for more than 1200 in-patients and constituted the main teaching set up of the Medical Services of Pakistan Armed Forces.
* This training was conducted and approved by Armed Forces Post Graduate Medical Institute (AFPGMI, formerly Armed Forces Medical College) and College of Physicians and Surgeons of Pakistan.
* Assisted consultant physicians in major and minor procedures.
* Performed major and minor medical procedures under supervision and then independently.
* Presented at the clinicopathological meeting on the topic of “ ERCP in Obstructive Jaundice”.

1. **GENERAL DUTY MEDICAL OFFICER 45 FIELD MEDICAL UNIT AND COMBINED MILITARY HOSPITAL PESHAWER, PAKISTAN. July 2001to Apr 2002**

* Served in a Field Hospital of the Pakistan Army and involved in the management of patients in a near by Combined Military hospital, Peshawer ; I looked after outdoor and indoor patients.
* Job Description: Full-time
* On-call/OPD:
* Unselected (Medicine, Surgery, Eye, ENT):              1:5/week, 6 OPD/week

1. **REGIMENTAL MEDICAL OFFICER WITH AN INFANTRY BATTALION NOTHERN AREAS OF PAKISTAN. June 1999 to July 2001**

* This was compulsory training period for all the military doctors before starting specialist training.
* I worked as a regimental medical officer with this Battalion and used to run the out patient clinic in the far flung areas of the country.
* Looking after the health of the troops and managing injuries incurred during war or training was also my job.
* I passed my primary for the fellowship examination during this tenure and was selected for specialist training in general medicine.
* This period is equivalent to senior house officer ship.

1. **HOUSE OFFICER COMBINED MILITARY HOSPITAL AND MILITARY HOSPITALRAWALPINDI. PAKISTAN. May 1998 – June 1999.**

* After graduation from the medical college I did my house job at these hospitals.
* 6 months in surgery and 6 months in internal medicine was the rotation.
* Medical wards rotation was in GI medicine, neurology, pulmonology, cardiology, nephrology and intensive care.
* During surgical rotation I was working in urology, orthopedics and general surgery units in addition to trauma and emergency medicine unit.
* Completed one year of Internship.

1. **ARMED FORCES POSTGRADUATE MEDICAL INSTITUTE, PAKISTAN**

* General Duty Medical Officer; Jan 1998 – May 1998
* Course in Medical Documentation and Military Procedures.
* Course in Military Law
* Job Description:             Full-time

1. **ARMY MEDICAL COLLEGE, RAWALPINDI, PAKISTAN**

* Medical Student; 1993 – 1997
* Medical school session leading to award of MBBS

MAJOR PRESENTATIONS AND LECTURES:

* Case presentation on Thoracic Endovascular Aortic Repair(TEVAR) and Endovascular Abdominal Aortic Repair (EVAR) at Cardiocon November 2019
* Live case on ELCA (Excimer Laser Coronary Atherectomy at Cardiocon November 2019
* Presentation on management of Calcific Coronary Arteries at Cardiology Update June 2019
* Presentation on Coronary Guidewires at PAKLIVE in April 2019
* Cases presented at Europcr 2017
* Clinical audit on use of Biofreedom stents at UHB
* ECG workshop at CMH Kharian in March 2015
* Presentation on “Management of myocardial infarction and its complications” in October 2014
* Lecture on “Risk factors and prevention of heart diseases” to troops and officers of Kharian garrison December 2013
* Lectures on Basic cardiac life support (BCLS) and Advanced cardiac life support and cardiac emergencies for Doctors August 2011
* Lectures on Basic cardiac life support (BCLS) and Advanced cardiac life support and cardiac emergencies for paramedics August 2011
* Presentation on “ Stress Management”. UNMIS Ed- Damazine Sudan in Aug 2008
* Presentation on “ Harmful effects of smoking”. UNMIS Ed- Damazine Sudan in May 2008
* Presentation on “ Malaria- Prevention and treatment” at AK CMH Rawalakot in July 2006
* Lectures on Basic cardiac life support (BCLS) and Advanced cardiac life support(ACLS). Quetta chapter, 2004
* Diagnostic out come of ERCP in patients of Obstructive Jaundice, Grand Rounds to the Divisions of Medicine & Surgery at the Armed Forces Postgraduate Medical Institute as part of training for Diploma in Medicine,2003.
* Multiple lecturs and presentations on “Risk factors, diagnosis, management and prevention of Anthrax” in Nov – Dec 2001

WORK SHOPS AND CONFERENCES

* Participated in sessions and attended Work shops on interventional cardiology during 13th annual cardiology update on 15 - 17 June 2012 at PC Bhurban Murree Pakistan
* 8TH  Biennial International Conference,  Workshop on Trans Oesophageal Echo. Conducted at AFIC, NIHD, Rawalpindi. May 2012.
* 20th Biennial International cardiology conference, PC, Peshawar. 23 – 25 Dec, 2011. I presented “ Diagnosis and therapeutic options in patients of STEMI with failed thrombolysis.”
* 20th Biennial International cardiology conference, PC, Peshawar. 23 – 25 Dec, 2011. I presented “ Transbrachial approach in diagnostic and therapeutic Percutaneous Coronary Interventions”
* Training in Basic life support (BLS) / Advanced cardiac life support (ACLS).  Awarded by Armed forces institute of Cardiology / National institute of heart diseases. Rawalpindi. Dec 2011
* Moderated sessions and attended Work shops on interventional cardiology during 12th annual cardiology update on 17 - 19 June 2011 at PC Bhurban Murree Pakistan
* 8th International conference on cardiac electrophysiology.AFIC, Rawalpindi.   February 19-20, 2011. I presented “Mangement of atrial fibrillation”.
* 2008 UNMIS Force Medical Conference 16-18 April 2008,Khartoum, Sudan
* Communication Skills. Awarded by WHO Collaborating Centre for research & training in educational development of health personnel. March, 2005.
* Research Methodology, Biostatistics and Dissertation Writing; Awarded by WHO Collaborating Centre for research & training in educational development of health personnel. March 2005.
* Introduction to Computer & Internet. Awarded by WHO Collaborating Centre for research & training in educational development of health personnel. March 2005.
* Training in Basic life support (BLS) / Advanced cardiac life support (ACLS).  Awarded by Armed forces institute of Cardiology / National institute of heart diseases. Rawalpindi. Dec 2003
* Symposium on Leishminiasis, August 2003, Military hospital Rawalpindi,Pakistan
* Symposium on Multidrug resistant Tuberculosis, Nov,2002, Military hospital Rawalpindi,Pakistan
* Armed forces trauma life support course.  August  2002, Combined military hospital, Rawalpindi.
* Training in Basic life support (BLS) / Advanced cardiac life support (ACLS).  Awarded by Armed forces institute of Cardiology / National institute of heart diseases. Rawalpindi. July 2002.

TEACHING EXPERIENCE:

* Actively involved in teaching of undergraduate and post-graduate students at AFIC/NIHD Rawalpindi September 2017 todate
* Lectures on acute Medicine and Cardiology to internees and post graduate students at CMH Kharian from August 2013 to August 2016
* Teaching ward rounds to 4th and final year MBBS students and Final year BDS students at AFIC, NIHD. Rawalpindi. July 2010 to July 2013
* Lectures on Basic life support (BLS),and Advanced cardiac life support ( ACLS), to paramedical staff of Combined military hospital, Rawalakot during April 2007
* Regular lectures to Final year General Nursing students at Armed Forces Postgraduate Medical Institute Rawalpindi, 1st Jan 2003 to 1st Dec 2003
* Teaching ward rounds to 3rd and final year MBBS students, & 3rd year BDS students at Medical Unit 2, Military Hospital Rawalpindi. 1st May 2002 to 31st Dec 2003

PUBLICATIONS

* Siddiqui, A., Aziz, S**., Maken, G**., Khan, A., Tuyyab, F., Saif, M., Iqbal, T., Kamran, J., Janjua, A., & Ahmed, I. (2019**). TRANSCATHETER AORTIC - VALVE IMPLANTATION (TAVI) – AN EXPERIENCE AT ARMED FORCES INSTITUTE OF CARDIOLOGY**. *Pakistan Armed Forces Medical Journal*, *69*(Suppl-3), S350-53.
* Habib, A., **Maken, G**., Dildar, N., Janjua, A., Akbar, M., & Khan, K. (2019). **RELATION OF CORONARY ARTERY DISEASE TO ATHEROSCLEROTIC DISEASE IN THE CAROTID, ILIAC AND FEMORAL ARTERIES EVALUATED BY ULTRASOUND.** *Pakistan Armed Forces Medical Journal*, *69*(Suppl-3), S419-24
* **Ghulam Rasool Maken**, Farhan Tayyub,Asim Javed, Mohsin Saif. **Procedural analysis of peripheral arterial stenting** – An experience of 37 patients at AFIC/NIHD (Accepted for publication in Pakistan Armed Forces Med J)
* Saif, M., Khan, H., Khan, M., Tuyyab, F., & **Maken, G**. (2013). **PRIMARY PCI IN ST ELEVATION MYOCARDIAL INFARCTION : AN EXPERIENCE AT AFIC/NIHD RAWALPINDI.** *Pakistan Armed Forces Medical Journal*, *63*(4), 564-67.
* Zafar Ul Islam, **Ghulam Rasool Maken**, Asim Javed, Mohsin Saif, Zahoor Aslam Khattak, Hamid Sharif khan. **Percutaneous brachial artery cathetrization for coronary angiography and Percutaneous Coronary Interventions (PCI): An encouraging experience of 100 cases** (Accepted for publication in pakistan armed forces med j.)
* Farhan Tuyyab , Muhammad Yahya Naeem , **Ghulam Rasool Maken** ,Muhammad Hadi Najfi , Faheem Hassan. **The effect of metoprolol alone and metoprolol plus bromazepam on heart rate and heart rate variability during multislice computed tomography angiography.** Pak Heart J 2012. 45 (02) : 86 - 90
* Shahzeb Ahmed Satti, **Ghulam Rasool Maken**, Awais Ahmed. **A case of celiac disease in an adult**. Pakistan Armed Forces Med J. 2009; 56(5).
* Amjad Akram, Muhammad Shahid, Asad Jamal Dar, **Ghulam Rasool Maken**. **Management tips for glaucoma**. Pak J Ophthalmol 2008;24(1).37-39
* Muhammad Zubair Sheikh, **Ghulam Rasool Maken**, Shahzeb Ahmed Satti. **Snake bite- Clinical spectrum and therapeutic challenges**. Pakistan Armed Forces Med J.2008;58(3):331-6
* Muhammad Javed, Abdul Nasir,**Ghulam Rasool Maiken**, Mohd Luqman, Ejaz Ahmed. Chronic Hepatitis B virus infection; **Current treatment andfuture prospects**. Professional Med J.2006;13(4):716-20
* Dissertation on “ **Diagnostic outcome of Endoscopic Retrograde CholangioPancreatography in patients of obstructive jaundice**” approved by College of Physicians and Surgeons of Pakistan vide MED/2001/1935 dated sep 25, 2003

REFERREES

1. Maj General Sohail Aziz

Commandant & Ex. Dir AFIC/NIHD and Consultant Cardiologist

AFIC/NIHD Rawalpindi

2. Maj Gen Tahir Iqbal

Consultant Cardiologist

AFIC/NIHD Rawalpindi