

Curriculum Vitae

Abdullah Mohammed

MB ChB(Glasgow) FRCP (London)

Personal Details

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GMC details	4190017 (Full Registration)
Current Post	Consultant Cardiologist & Clinical Director
Work address	St Helens & Knowsley Teaching Hospitals NHS Trust (Whiston & St Helens Hospitals) Warrington Road Prescott L25 2ER

Qualifications:

1995 **MB ChB Glasgow University**

2009 **Completion of Higher Medical Training (CCT) Cardiology and GIM: April 2009 2001**

2014 **FRCP London**

2014 **BSE TOE Accreditation**

Professional Membership

British Society of Echocardiography

British Cardiac Society

British Nuclear Cardiology Society

Society for Cardiovascular Magnetic Resonance

Collegiate Fellow of the Royal College of Physicians of London

Current Appointment

September 2009 to -Present Consultant Cardiologist & Physician
St Helens & Knowsley Teaching Hospitals NHS Trust

Other appointments & Practice:

Honorary Consultant Cardiologist at Liverpool Heart &
Chest Hospital,

Private Consultations at: Spire Manchester Hospital, Spire Liverpool Hospital, Fairfield
Independent Hospital and Pall Mall Medical at Manchester and Newton.

Previous Appointments

June 2011 to December 2018 Clinical Director for Cardiology .
St Helens & Knowsley Teaching Hospitals NHS Trust

May 2008 August 2009 SpR Cardiology, Liverpool Heart and Chest Hospital
Liverpool

August 2007 to May 2008 SpR Cardiology / GIM, Leighton Hospital, Crewe

August 2006 to July 2007 SpR Cardiology, the Cardiothoracic Centre, Liverpool

April 2005 to July 2007 SpR Cardiology / GIM, Whiston Hospital, Whiston

January 2004 to March 2005	Clinical Research Fellow, South Yorkshire Cardiothoracic Centre, Northern General Hospital, Sheffield
Nov. 2002 to December 2003	SpR-LAT Cardiology/GIM, Arrowe Park Hospital, Wirral
June 2001 to October 2002	Clinical Registrar Cardiology, the Cardiothoracic Centre, Liverpool
August 2000 to May 2001	Clinical Registrar Acute Medicine, the Royal Liverpool University Hospital, Liverpool
February 2000 to July 2000	SHO Haematology/Bone marrow Transplant, The Christie Hospital, Manchester
August 1999 to January 2000	SHO Endocrinology/GIM University Hospital of South Manchester, Wythenshawe Hospital, Manchester
August 1998 July 1999	SHO Cardiology and Chest Medicine, The Cardiothoracic Centre, Liverpool
August 1996 to July 1998	SHO General Medicine & Specialities Training Rotation Mid Staffordshire Hospitals NHS Trust.
Feb.1996 to July 1996	House Physician, GIM/Cardiology, Hairmyres Hospital Eastkilbride, Glasgow
August1995 to January 1996	House Surgeon General Surgery, Crosshouse Hospital Kilmarnock, Scotland.

Current Practice

I am currently practicing as a consultant cardiologist with subspecialty interest in cardiac imaging. I have full responsibility for in-patients and out-patients care to patients with wide range of subspecialty, general cardiology and general medicine cases.

I perform regular cardiology procedures including left and right heart catheterisation, permanent pacemaker implantation and implantable loop recorders insertions. I also perform and report on subspecialty imaging studies including Transoesophageal Echocardiography, Stress Echocardiography, Nuclear Stress Myocardial Perfusion Imaging and 3D Echocardiography. I am the trust lead cardiologist in advanced cardiac imaging including 3D echocardiography and Cardiac MRI. I hold a formal honorary contract as a visiting consultant in cardiac imaging at the regional centre, Liverpool Heart and Chest Hospital.

My current job plan is as outlined:

	Monday	Tuesday	Wednesday	Thursday	Friday
am	Cath Lab Pacing	Speciality Clinics Support (AF,Pacing, Valve)	Nuclear Cardiology Reporting	Stress Echo Reporting	Cath Lab Angio
pm	Urgent Cardiac Catheterisation SPA	TOE/ 3D Echo	SPA /PP	OP Clinic	Administration PP

Clinical Experience & Training

I am an established consultant cardiologist with wide experience in general cardiology and the subspecialty of cardiac imaging.

I have been fortunate to have had both my postgraduate as well as undergraduate training at high calibre institutions in the United Kingdom. This has given me a high quality training as well as deep understanding of the UK medical education and the health care systems.

After my graduation from Glasgow University I undertook my first House Officers jobs at

Speciality performed Skills & Procedures:

Coronary Angiography/Cardiac Catheterisation

Permanent pacemaker Implantation

Implantable loop recorders Insertion

Transoesophageal Echocardiography

Stress Echocardiography

Stress Nuclear Myocardial Perfusion Imaging

3D Echocardiography

Cardiac MRI

General Internal Medicine (with relevance to cardiology)

I have had a very wide training and experience in General Medicine covering all aspects of medical care. This included the assessment and management of acute medical admission, inpatient care and outpatient clinics for new and follow up patients. The posts I undertook during my general medical training covered all important medical subspecialties in recognised and well supported training posts.

In my first medical rotation in Staffordshire General Hospital I had training in Acute Medicine, Cardiology, Respiratory Medicine, Gastroenterology, Rheumatology Endocrinology and Care of the Elderly. I was trained and have experience in the investigations and management of patients in each of the relevant specialities. I also had the opportunity to learn general medical procedures such central venous line insertion, temporary pacing wires insertion, lumbar punctures and chest drain insertion earlier on which made me confident in managing acute medical patients in subsequent posts. I subsequently had further

valuable experience at SHO posts in cardiology, chest medicine, endocrinology and haematology in tertiary units in CTC, Chrisies and Wythenshawe hospital. This gave me the opportunity to gain experience in the management of more complex cases in the subspecialties of general medicine.

At the registrar level I gained a wide experience during my general medicine and cardiology rotation working with very influential physicians at various hospitals at the Mersey region.

This training and experience made me fully competent in organising and managing the acute non-selective take. I am also able to assess and manage the acutely ill as well as provide medical review and advice on medical patients when asked by colleges in other specialities.

I have competently performed and supervised junior medical staff in performing many general medical procedures. These include central venous and arterial lines, pleural aspirations, chest drains, joints aspiration and lumbar punctures. I have achieved the competency level required for less common general medical procedures.

Although my work predominantly involves looking after cardiology patients, I believe a wide experience in general medicine is a great asset to me as a cardiologist. It is very common for cardiac patients to have other medical problems and vice versa. I am highly experienced and fully accredited in general medicine.

General Cardiology

I have had a broad training and experience in general cardiology at both teaching and district general hospital settings. I have developed a broad clinical perspective on cardiovascular diseases. I am experienced in managing all types of cardiology patients in outpatient and in-patient setting including coronary care. I have good experience in managing and assessing cardiac patients prior to undergoing non-cardiac surgery. I have also gained experience in subspecialty clinics relevant to the management of cardiac patients at the private sector setting. These include adult congenital heart disease clinics, with Dr Peart and Dr Jones from Alder Hey Hospital, and obstetric cardiology clinics with Dr Bernard Clarke at Manchester Royal Infirmary. In addition, I had over 12 months experience in the assessment, management and follow up of heart failure and cardiac transplant patients at the transplant unit in Sheffield.

Echocardiography

My echocardiography experience is extensive. I have performed and provided clinical report or subspecialty advice in more than thousands of transthoracic echocardiography studies both in elective cases and as an emergency. I am one of only two consultants in my trust who run the consultant led aspects of echocardiography service including GP open access echocardiography reporting, Dobutamine Stress Echocardiography and Transesophageal Echocardiography. I have led the department to commence 3D echocardiography service which is now performed regularly under my direct supervision..

Nuclear Cardiology

I have extensive experience in supervising and reporting nuclear myocardial stress imaging and left ventricular function assessment. I had formal training in nuclear cardiology, as Specialist Registrar in Cardiac imaging, by professor Vanjamuri and Dr Jyan at the Royal Liverpool University Hospital. This included technetium myocardial perfusion imaging, thallium viability studies and MUGA ventricular studies. I now, with another colleague run the Nuclear Cardiology service in the trust.t. I have supervised and reported over 2000 nuclear cardiology cases.

Cardiac Magnetic Resonance Imaging and CT angiography

I have had excellent training in these contemporary imaging modalities. I have attended courses in this area and have passed the first part of the European Diploma in Cardiac MRI and CT coronary angiography taken pace in Bologna; I am the lead cardiologist in the trust in developing and integrating cardiac MRI service with other existing imaging modalities in the trust. I maintain a formal link with the region's tertiary centre (Liverpool and Heart Chest Hospital) imaging service as an Honorary Visiting Consultant in cardiac imaging. This helps our local cardiac imaging service development in line with interventional service needs and maintains quality control standards.

Invasive Cardiology

I have wide experience in invasive cardiology including coronary angiography, permanent pacemaker implantation and some experience in ICD and biventricular devices.

Coronary Angiography:

I have performed over 2000 cases of coronary angiography as a sole operator. I am competent using the radial as well as the femoral technique. I have also gained experience in coronary intervention. I have been involved with over 350 cases as primary or assistant operator. This has given me experience in appreciating the role of coronary intervention and potential limitations and its interplay with coronary bypass surgery. I have formed excellent working relationships with interventional cardiologists, cardiac surgeons and intensivists colleagues at Liverpool Heart and Chest Hospital. I have regular interaction with them in dealing with complex cases that often required multidisciplinary approach, where I provide advice and further advanced imaging assessment to guide managing such cases.

Permanent Pacemakers and Devices

I am trained in permanent pacemaker implantation. I have performed over 1000 cases of single, dual chamber and loop recorders implantation with over 300 cases as a consultant. I have also some experience in ICD and biventricular devices implantation.

I have undertaken Medtronic programme of courses which included a theory, programming and hand on implantation courses.

I take part in pacing and ICD follow up clinics. This has given me experience in managing devices complications and programming. I have an excellent working relationship with devices consultants, pacing physiologist and pacemaker's companies' representa

Courses & Subspecialty meetings Attended

Imaging

- Echocardiography-Freeman Hospital Newcastle-upon-Tyne-Oct 2001.
- Cardiac Imaging, Victoria Hospital –Blackpool- May 2003.
- Stress Echocardiography-King’s College –London Jul2005
- Transesophageal Echocardiography-Castle Hill Hospital –Hull Oct 2005
- Stress Echocardiography & Cardiac MRI. The Investec Media Centre, the Lords, London, March 2008.
- Erasmus Cardiovascular MRI with CT correlation. Bologna, Italy, October 2008.
- Advanced Imaging, Royal Society of Medicine, London, February 2009.
- Peri-operative Transesophageal Echocardiography , Newcastle , April-1st May 2009
- Transoesophageal Echocardiography Nottingham Course September 2009
- Clinical Applications for 3D TOE Workshop, King’s College Hospital October 2009
- Practical Cardiac CT Workshop October 2009
- 3D Echocardiography Forum , Nottingham April 2010
- BSE Clinical & Scientific meeting , Bournemouth October 2010
- 4D Echo & Multidimensional Imaging Course, Vienna , October 2010
- Vivid Advanced Echocardiography Course, GE Centre, Hatfield , March 2011
- European Board of Accreditation, Evaluation of Cardiovascular Care , Budapest March 2011
- 3D Echocardiography Forum , Nottingham , April 2011

Pacing & Devices

- Permanent Pacemakers Course, CTC-Liverpool Jul 2001
- Guidant pacing and CRT programming course. Basingstoke, Feb 2007.
- Medtronic Permanent pacemaker course for SpRs, April Switzerland 2007.
- Permanent Pace maker Implantation, hands-on course, Southampton General Hospital, June 2007.
- Electrophysiology and Device Therapy. What every cardiologist needs to know. Cardiff, February 2009.

Research & Teaching

- Practical Issues in Clinical Research-National Heart and Lung Institute--the Royal Brompton Hospital London-Sept 2001.
- Good Clinical Practice in Clinical Research & Update on Current Issues in Clinical Research-May 2004-Northern General Hospital –Sheffield.
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- Physicians as Educators: Workplace-based Assessment. Royal College of Physicians, LMI, 18th November 2008.

- Physicians as Educators: On-the-Job Teaching, RCP, Liverpool February 2009.

Management & Professional development

- Management and Professional Development Programme for SpRs Mersey Deanery 6-9 Nov 2007.
- Radiation Protection Course. St George's NHS Trust, London, December 2008
- Ethics and the law module MDU education module, March 2009

Other Courses

- Non-invasive ventilation: what the acute physician needs to know, Manchester, April 2008
- Radial access coronary angiography. North Staffordshire Royal Infirmary, July 2008
- The North West Adult Congenital Heart Disease Course, Manchester, September 2008
- Advanced Life Support Course. September 2008, Tameside General Hospital, Manchester
- Metabolic Cardiomyopathies, Salford Royal NHS Trust, March 2009

Clinical Governance & Audit

I am strongly committed to the process of clinical governance and have been involved in many of the components of clinical governance since I started working in the NHS. I lead the governance committee in my department. I have taken on a number of audit projects. I believe that the process of audit is essential to improve the quality of care for our patients. I have been involved in writing up protocols and recommendations based on results of some of the audits or new services I was involved with in my previous posts. I have undertaken numerous audits in many aspects of cardiology that had impact in changing clinical practice. A list these audits are available.

Research

I have undertaken a fourteen months of clinical research post at the cardiothoracic centre in Sheffield. During this period I had the opportunity to develop my own research project on the relationship of Brain Natriuretic Peptide and myocardial ischaemia. The project involved prospective study of two cohorts of patients during myocardial ischaemia. The first was a 100 patients undergoing stress myocardial scintigraphy. The second cohort was a 200 patients undergoing elective percutaneous coronary intervention. During my research post and my SpR training I have gained a considerable experience in writing grant applications for research funding, submitting ethics committee proposals, analyzing data, and academic writing. I have presented the data in local and international meetings. During my clinical component of the post I was involved in heart failure and cardiac transplant follow up patients. I retrospectively studied the role of transthoracic echocardiography in predicting

transplant patients medium term outcome including transplant rejection. This was presented at the Canadian heart transplant association in 2005. I am currently leading several audit and research projects in my current post including:

- 1- Acute Myocardial Infarct Coding Anomalies.
- 2- Accuracy of 3D Echocardiography compared to 2D TOE in pre-surgical mitral valve assessment.
- 3- 3D Echocardiography LV volume measurements compared with cardiac MRI.
- 4- Clinical and cost outcome for local in-patient coronary angiography

Presentations

I have presented in many local and some national and international forums. I have been an active participant in patients MDT cardiology interventional and surgical meetings in my previous posts. Below is a list of my previous presentations.

- Regular GPs and regional education talks around Mersey and Manchester areas in topics including angina, heart failure, atrial fibrillation, hypertension and syncope. 2012, on-going.
- New Advances in Medical Management of Chronic Stable Angina
Sponsored talk at Whiston Hospital, July 2011
- Stress Myocardial Imaging for new onset chest pain, The Accident and Emergency Department Whiston Hospital , June 2011
- Coronary Artery Disease Assessment An Integrated Approach ,
Grand round presentation, Whiston Hospital, June 2011
- Coronary Artery Disease Assessment : Clinical and Imaging Perspectives,
- The Royal College of Physician Teach-In, Liverpool Medical Institute , April 2011
- The Universal Definition of Acute Myocardial Infarction, Grand round presentation at Whiston Hospital June 2010.
- Brian Natriuretic Peptide and Myocardial Ischaemia, The Cardiothoracic Centre Liverpool March 2007
- Adult Congenital Heart Disease Review and common presentations, CTC June 2007
- Twist and turns of differential diagnosis- a case of a rare cardiac shunt-Grand round presentation, Whiston Hospital April 2005.

- Infective Endocarditis –Case Presentation & Guidelines Review, Whiston Hospital July 2005.
- Acute Myocardial Infarction Redefined- Case Presentation & update review, Whiston Hospital February 2006.
- Apical Hypertrophic Cardiomyopathy Mimicking Acute Coronary Syndrome, Arrowe Park Hospital, April 2003.
- Chest Pain Clinics Review (Grand Round Presentation), Broadgreen Hospital, April 2002.
- Myocardial Perfusion Imaging,CTC-liverpool ,Nov 2001
- Investigation & Management of Stable Angina,CTC-Liverpool ,Nov 2001
- A Case of Superior Vena Cava Obstruction Mimicking Cardiac Tamponade , Cardiothoracic Centre, Liverpool (April 1999)
- Pheochromocytoma presentation in Pregnancy , The Cardiothoracic Centre, Liverpool, Nov 1998
- Cardiac Syncope and Sick Sinus Syndrome, Staffordshire General Hospital, Feb 1996
- Hairy Cell Leukaemia , Staffordshire General Hospital., July 1996
- Pathological Falls in Elderly People , Cannock Chase Hospital, May 1997
- Osteoporosis update in Management, Cannock Chase Hospital July 1997.
- Guillian-Barre Syndrome presentation and literature review, Wythenshawe Hospital, Manchester. (Nominated for Henri Moussalli Award) May 2000.
- Interesting Clinical Slides in Acute Medicine, the Royal Liverpool University Hospital, Liverpool Oct 2000.
- Clinical Slides Show at the Royal Liverpool University Hospital, Liverpool 2001.
- Acute Confusional State, the Royal Liverpool University Hospital, Liverpool March 2001.
- Presentation on Carcinoid Tumours, Crosshouse Hospital, Kilmarnock, Scotland.

Audits

- Acute Coronary Syndrome Management Audit Feb 2013
- Stress Echocardiography Audit June 2016
- CT coronary angiography Audit November 2020
- Consent Practice in Cardiology December 2020
- Rapid Access Chest Pain Audit 2021-Ongoing

Publications

Papers Publication

- An unusual cause of Left Ventricular Outflow Tract Obstruction, Mimicking Hypertrophic Obstructive Cardiomyopathy: An insight from 3D Echocardiography, Koyalakond S, Robotham K, **Mohammed A** , European Journal of Echocardiography- Submitted June 2011, In press
- Ruptured Aneurysm of the Non-Coronary Sinus of Valsalva **Mohammed A**, Rashid A, Ramsdale DR.J Invasive Cardiol. 2009 Apr; 21(4):193.
- Double orifice mitral valve with dysplastic tricuspid valve and intact interatrial septum: a three-dimensional echocardiographic study **Mohammad A**; Pearce K; Palmer N; Chenzbraun A European Journal of Echocardiography 2008; doi: 10.1093/ejehocard/jen128
- Are written responses to referrals acceptable? Comprehensive referral letters are key to safe written advice' **Mohammed A** BMJ, 2004; 329): 1403

E letters

- Troponin in patients with chest pain **Mohammed A** bmj.com
Ref <http://www.bmj.com/cgi/eletters/329/7479/1357>
- Portable Echocardiography in clinical context **Mohammed A** BMJ.com 11 February 2004 Ref: <http://bmj.bmjournals.com/cgi/eletters/328/7435/300#49829>

- Choice in the NHS: a Choice for Access not Quality” “Bedside Clinical Teaching and the modern undergraduate curriculum. **A Mohammed** Bmj.com 19 July 2004 Ref:<http://bmj.bmjournals.com/cgi/eletters/329/7457/92#67832>
- Adverse Drug Reactions in High Cardiovascular Risk Patients **Mohammed A** BMJ.com 6 July 2004 Ref <http://bmj.bmjournals.com/cgi/eletters/329/7456/15#65956>
- Importance of Clinical Signs **Mohammed A** BMJ.com 19 April 2004 Ref <http://bmj.bmjournals.com/cgi/eletters/328/7445/944#57058>
- Hypertensive Heart Disease **Mohammed A** BMJ.com 25 March 2004 Ref. <http://bmj.bmjournals.com/cgi/eletters/328/7441/698#54551>
- Pleural Effusions- The Great Mimic **Mohammed A** BMJ.com 26 March 2004 .Ref <http://bmj.bmjournals.com/cgi/eletters/328/7442/758#54682>
- Bedside Clinical Teaching and the modern undergraduate curriculum **Mohammed** ABMJ.com 19 July 2004 Ref. <http://bmj.bmjournals.com/cgi/eletters/329/7457/92#67832>

Abstracts & International Presentations:

- The role of Transthoracic Echocardiography in predicting late cardiac transplant rejection. Rowe G, **Mohammed A**, Canadian Cardiac Transplant Society Annual Conference Toronto, 22nd Nov 2004.
- Double trouble-An insight from 3D Echocardiography. EuroEcho conference, Lisbon, 7th December 2007. **Mohammed A** , Palmer ND, Chenzbraun A
- Double Orifice Mitral Valve. Presented at the DICE session of BSE conference, Edinburgh, 12 October 2007. . **Mohammed A**
- The relationship of B-Natriuretic Peptide (BNP) to Myocardial Ischaemia during Myocardial Perfusion Scintigraphy Stress Testing **Mohammed A**, Varadharajan , Redpath M, Shaw M, Campbell S², Newman C², Al-Mohammad A , European Society of Cardiology Congress 4th Sept 2007..
- The role of Transthoracic Echocardiography in predicting late cardiac transplant rejection. Rowe G, **Mohammed A**, Canadian Cardiac Transplant Society Annual Conference Toronto, 2nd Nov 2004.

Training & Teaching

I am the Educational Supervisor for a number of trainees at the Core Medical and Foundation training programmes and cardiology SpR in my NHS hospital. I am also the supervising tutor for a number of medical students attached with to the cardiology department. I both enjoy and actively participate in the teaching of medical students, senior house officers and nursing staff on the wards and outpatient clinics.

- I have taken part in teaching undergraduate and postgraduate students on regular basis in my current consultant post.
- I have organised a formal teaching course for MRCP examination based on my own teaching slides collection in medicine and cardiology. I have also organised the PACES clinical examination in Arrows Park hospital in 2003.
- I have organised undergraduate medical students teaching as a registrar in Arrows Park hospital 2002-2003 and research fellow in Sheffield 2004-2005.
- I have attended the Royal College of Physicians teaching courses 'Physician as Educator' for postgraduate Medical Education.

Management & Administration

I am the Clinical Lead for the Echocardiography and the Valves clinic. I did the clinical director role for 7 years at St Helens and Knowlsey Teaching Hospitals NHS trust. The department has gone through major changes resulting in significant progress in both the quality of care provided and increase in activities. The department has won the hospital Clinical Excellence award for 2014 and 2015 in acute cardiac care and diagnostic services respectively.

I am an active member of various hospital committees including the Appraisal and Revalidation steering committee and Clinical Directors Forum. I have founded various local groups including The Acute Cardiac Care Group, The GPs and cardiologists Forum and the Whiston Cardiac Interventional MDT.

Career Summary & Aspirations

I am an established and experienced consultant cardiologist who is the clinical lead in my department. I aspire to achieve clinical excellence in all aspects of my clinical work and leadership role.

I have been very fortunate during my training to have worked in several centres of excellence and received an abundance of high quality training in medicine and cardiology. I have worked with and been trained by some of the best cardiologists and physicians throughout the UK. I have excellent working relationship and work collaboratively with my colleagues in the department as well in other local hospitals including the regional tertiary centre as well as in primary care.

My wide experience in clinical medicine and cardiology well as my skills in cardiac diagnostics give me the ability to assess patients for wide range of cardiac conditions.

I employ such skills in managing my patients at my NHS work as well as private practice where I have built an excellent reputation with patients, GPs and health insurance providers.

I also provide expert opinion and medicolegal reports to various companies.

I aim to provide the highest quality of care for my patients and to work with institutions I am associated with in developing cardiac service provisions to help their service development aspirations and my ambition to expand my maturing private practice and medico-legal work in Manchester, Cheshire and Merseyside.

Referees

Dr Hassan Shaaban

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