

Dr. Damian J. Kelly

BSc. (Med Sci.) MBChB (Hons) MD FRCP

Consultant Cardiologist

Clinical Director of Specialist Medicine

University Hospitals of Derby and Burton NHS Foundation Trust

Faculty member Inspire Medilaw and member of AvMA

NAME: Damian John Kelly.

DATE OF BIRTH: 6th March 1974

HOME ADDRESS: xxx

Telephone No. xxx

Mobile No. xxxx

E-mail:

cardiologyexpert@pm.me

Website: cardiologyexpert.co.uk

QUALIFICATIONS: BSc. (Medical Science) 1996

M.B., Ch.B. (Honours) 1999

M.R.C.P. (UK) 2002

F.R.C.P (London).....2016

M.D. (University of Leicester) 2010

PRIZES The Henri Moussali award for best post-graduate research
South Manchester University hospitals 2002.

GMC NUMBER: 4630955

NTN: EMD/007/006/C

CCT Date: Cardiology and General (Internal) medicine: 1.10.2011

EDUCATION: St. Aloysius' College, Glasgow.

1993- 1996 University of St. Andrews.

1996- 1999 University of Manchester.

PRESENT APPOINTMENT:

Consultant Cardiologist
Clinical Director of Specialist Medicine
University Hospitals of Derby and Burton NHS FT
Royal Derby Hospital
Derby. DE22 3NE

PROFESSIONAL BACKGROUND:

I qualified with a BSc in Medical Science from the University of St. Andrews in 1996 where I was president of the Bute Medical Society. I graduated MBChB with Honours from the University of Manchester in 1999 and completed house jobs at the Regional Cardiac Centres of Wythenshawe hospital, Manchester and Victoria Hospital, Blackpool. My specialist training was on the North-West cardiology rotation followed by an MD degree in coronary angiogenesis with Professor Tony Gershlick in Leicester awarded in 2010. I completed a 12-month interventional fellowship at the Waikato Hospital, New Zealand's highest volume interventional cardiac unit. I became a member of the Royal College of Physicians in 2002 and was elected a fellow in 2016.

I was appointed consultant cardiologist at Royal Derby Hospital in 2011 and as clinical lead since 2014 have led in establishing a number of new services including ambulatory heart failure, complex cardiac device implantation and development of a second PCI site within our newly merged trust at Queen's hospital, Burton-on-Trent. I was appointed clinical director with responsibility for specialist medicine within the combined trust since August 2018, and have since 2017 been chair of the East Midlands Cardiac Network Cardiac Advisory Group.

CURRENT MEDICAL PRACTICE

I enjoy a busy and varied NHS general cardiology practice with a special interest in coronary intervention as well as a busy private practice. I participate in a 1:7 24/7 rota for Primary PCI for acute myocardial infarction at Royal Derby Hospital serving a catchment population of c .1m. My research interests are in the area of acute MI, and I have co-authored a recent paper on the treatment of multi-vessel coronary disease which has changed European and US guidelines (the CvLPRIT trial).

MEDICO-LEGAL PRACTICE

I provide expert reports across the range of adult cardiology. I have acted as an expert witness in the coroner's court on cardiology matters. I have extensive experience of patients' concerns and challenges through complaint handling and executive functions chairing NHS trust incident reviews as clinical lead and latterly clinical director of medicine for University Hospitals of Derby and Burton. I believe this experience has equipped me with an excellent understanding of systems of care in the NHS and their limitations. I believe access to legal compensation is a right for all patients and is a key driver for service improvement and patient safety.

I have supplied 82 reports on medicolegal matters for civil medicolegal cases and for the coroner's court. c.50% claimant; 40% defendant; 10% as joint expert. Feedback has been excellent and I receive regular instruction from a number of solicitor colleagues.

Areas of medico-legal expertise:

Adult clinical cardiology
 Assessment and management of chest pain
 Assessment and management of angina
 Ischaemic heart disease
 Acute coronary syndromes
 Acute myocardial infarction
 Assessment of patient with valvular heart disease
 Cardiac catheterization
 Percutaneous Coronary Intervention (PCI, coronary angioplasty and stenting)
 Assessment of patients for Coronary Artery Bypass Surgery (CABG)
 Management of post procedural complications of PCI / CABG
 Cardiac rhythm disturbances
 Pacemaker implantation – temporary and permanent
 Heart failure
 Hypertension
 Lipid abnormalities

I attend appropriate courses to maintain professional expertise in medico – legal matters:

Inspire Medilaw Expert Witness Training November 2018
 Invited faculty member, AvMA annual conference 2018

MANAGEMENT EXPERIENCE

- British Cardiovascular Society Guidelines and Practice Committee 2020-
- Clinical Director, Specialist Medicine, University Hospitals of Derby and Burton NHS Foundation Trust August 2018-
- BCIS Allied Health Professionals Working Group 2017-
- Clinical Lead for Cardiology, Royal Derby Hospital 2015-2018
- Chair, Clinical Advisory Group East Midlands Clinical Network, NHSE 2015-
- Clinical change management group, Royal Derby hospital 2012
- Council member, Derby medical society 2011
- Secretary, British Junior Cardiologists' Association 2007-9.
- BMA multi-specialty trainees group 2007-8.
- Associate Postgraduate Royal College tutor South Manchester Hospitals 2002
- South Manchester Research & teaching committee 2002.
- President, St. Andrews University Bute Medical Society 1996.
- German Leprosy & TB Relief worker in River State, Nigeria 1992.

SELECTED PUBLICATIONS**(Total 24 peer reviewed papers, 16 abstracts, 4 book chapters)**

Symptom Onset in Aortic Stenosis: Relation to Sex Differences in Left Ventricular Remodeling. Singh A, Chan DCS, Greenwood JP, Dawson DK, Sonecki P, Hogrefe K, Kelly DJ, Dhakshinamurthy V, Lang CC, Khoo JP, Sprigings D, Steeds RP, Zhang R, Ford I, Jerosch-Herold M, Yang J, Li Z, Ng LL, McCann GP. *JACC Cardiovasc Imaging*. 2017 Dec 8. pii: S1936-878X(17)30987-7.

Comparison of exercise testing and CMR measured myocardial perfusion reserve for predicting outcome in asymptomatic aortic stenosis: the PRognostic Importance of Microvascular Dysfunction in Aortic Stenosis (PRIMID AS) Study.

Singh A, Greenwood JP, Berry C, Dawson DK, Hogrefe K, Kelly DJ, Dhakshinamurthy V, Lang CC, Khoo JP, Sprigings D, Steeds RP, Jerosch-Herold M, Neubauer S, Prendergast B, Williams B, Zhang R, Hudson I, Squire IB, Ford I, Samani NJ, McCann GP. *Eur Heart J*. 2017 Apr 21;38(16):1222-1229.

Infarct size following complete revascularization in patients presenting with STEMI: a comparison of immediate and staged in-hospital non-infarct related artery PCI subgroups in the CvLPRIT study.

Khan JN, Nazir SA, Greenwood JP, Dalby M, Curzen N, Hetherington S, Kelly DJ, Blackman D, Ring A, Peebles C, Wong J, Sasikaran T, Flather M, Swanton H, Gershlick AH, McCann GP. *J Cardiovasc Magn Reson*. 2016 Nov 9;18(1):85.

Ischemia and Infarction in STEMI Patients With Multivessel Disease: Insights From the CvLPRIT Nuclear Substudy.

Kelion AD, Pakkal MV, Chowdhury FU, Birchall JD, Dixon KL, Lai FY, Kelly DJ, Flather M, McCann GP, Gershlick AH. *J Am Coll Cardiol*. 2016 Jun 7;67(22):2698-9.

Infarct Size Following Treatment With Second- Versus Third-Generation P2Y12 Antagonists in Patients With Multivessel Coronary Disease at ST-Segment Elevation Myocardial Infarction in the CvLPRIT Study.

Khan JN, Greenwood JP, Nazir SA, Lai FY, Dalby M, Curzen N, Hetherington S, Kelly DJ, Blackman D, Peebles C, Wong J, Flather M, Swanton H, Gershlick AH, McCann GP. *J Am Heart Assoc*. 2016 May 31;5(6).

The randomised Complete versus Lesion-only PRimary percutaneous coronary Intervention Trial: Cardiovascular Magnetic Resonance imaging substudy (CvLPRIT-CMR). McCann GP, Khan JN, Greenwood JP, Nazir SA, Dalby M, Curzen N, Hetherington S, Kelly DJ, Blackman DJ, Ring A, Peebles C, Wong J, Sasikaran T, Flather M, Swanton H, Gershlick AH.

Southampton (UK): NIHR Journals Library; 2016 Jan.

Complete Versus Lesion-Only Primary PCI: The Randomized Cardiovascular MR CvLPRIT Substudy.

McCann GP, Khan JN, Greenwood JP, Nazir S, Dalby M, Curzen N, Hetherington S, Kelly DJ, Blackman DJ, Ring A, Peebles C, Wong J, Sasikaran T, Flather M, Swanton H, Gershlick AH. *J Am Coll Cardiol*. 2015 Dec 22;66(24):2713-2724.

Randomized trial of complete versus lesion-only revascularization in patients undergoing primary percutaneous coronary intervention for STEMI and multivessel disease: the CvLPRIT trial.

Gershlick AH, Khan JN, Kelly DJ, Greenwood JP, Sasikaran T, Curzen N, Blackman DJ, Dalby M, Fairbrother KL, Banya W, Wang D, Flather M,

Hetherington SL, Kelion AD, Talwar S, Gunning M, Hall R, Swanton H, McCann GP. *J Am Coll Cardiol*. 2015 Mar 17;65(10):963-72.

Incidence and Predictors of Heart Failure Following Percutaneous Coronary Intervention in ST-Segment Elevation Myocardial Infarction: The HORIZONS-AMI Trial. D J Kelly, T Gershlick, B Witzembichler, G Guagliumi, M Fahy, G Dangas, R Mehran, G W Stone. *Am Heart J*. 2011 Oct;162(4):663-70.

Activation of Hypoxia-Inducible Factor by Di-Methyl Oxalyl Glycine (DMOG) Increases Neovascularization within Ischaemic Myocardium in a Porcine Coronary Artery Occlusion Model. D J S Kelly, A C Morton, N D Arnold, J Mecinovic, C Schofield, H Lupton, K Al-Lamee, D C Crossman, J Gunn and A Gershlick. *J Clin Exp Cardiol*. 2011;2:148-154.

Book Chapters

Rescue PCI. DJ Kelly, AH Gershlick. *In: Reperfusion Therapy for Acute Myocardial Infarction* edited by Eric R. Bates. *Informa Helathcare Publishing March 2008*

Adjunctive Pharmacology in Rescue PCI. DJ Kelly, AH Gershlick. *In: Pharmacology in the Cath Lab*. Edited by R Waksman and A Ajani. *Blackwell Publishing 2007*

Radial Spasm- avoidance and management. DJ Kelly. *In: Complications of Percutaneous Coronary Intervention: The Survival Handbook*. Editors A Lindsay, K Chitkara. Springer Verlag 2014.

Avoidance and management of air embolism. *In: Complications of Percutaneous Coronary Intervention: The Survival Handbook*. Editors A. Lindsay, K Chitkara. Springer Verlag 2014.

CLINICAL AUDIT- 21 LOCAL AND NATIONAL PRESENTATIONS

MEMBERSHIP OF MEDICAL SOCIETIES

Royal College of Physicians and Surgeons of Glasgow.
British Cardiovascular Society
British Cardiovascular Intervention Society
British Society of Echocardiography
British Junior Cardiologists' Association
Medical Defence Union

HOBBIES AND INTERESTS

Play golf for local club team, ski, and play the violin for undemanding orchestras.

REFEREES

Available on request