

# **Curriculum Vitae**

**Daniel JM Keenan**

**Professor of Cardiothoracic Surgery**

**Manchester University NHS  
Foundation Trust**

## Professional Details

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## Qualifications

- 1972 BSc (Hons) Physiology (The Queen's University of Belfast)
- 1975 MB, BCh (The Queen's University of Belfast)
- 1979 FRCS (Edinburgh)
- 1996 FEACTS (Fellow of the European Association for Cardiothoracic Surgery)

## Registration

**General Medical Council (Specialist Register) 1382637**  
**Revalidated April 2018 to April 2023**

## ACCEA

**Gold (level 11) 2009**

**Posts:**

**Consultant Cardiothoracic Surgeon, Manchester Heart Centre, Central Manchester University Hospitals NHS Foundation Trust and The Alexandra Hospital. 1985 to 2017**

**Honorary Professor of Cardiothoracic Surgery, The University of Manchester; 2009 to Present**

**Associate Medical Director, Manchester University NHS Foundation Trust (two days per week) 2011 to Present**

**Medical Director, Healthcare Quality Improvement Partnership (HQIP), London (two days per week) 2013 to Present**

**Summary**

**I have worked as a cardiothoracic surgeon in the health service all my career. I was a highly successful surgeon and led several important innovations in surgery, both in the hospital and nationally. I chaired the first Clinical Reference Group in Cardiac Surgery for NHS England, advising on the standards to be adopted in cardiothoracic units in England.**

**I previously was seconded to the Healthcare Commission and later the Care Quality Commission advising on various aspects pertaining to cardiothoracic surgery.**

**My front line experience spans all aspects of cardiothoracic surgery. I have first-hand experience, extending over 32 years, in managing all aspects of cardiac and thoracic surgery.**

**I managed elective and urgent surgery and remained “on-call” for the vast majority of my career so that I have experienced virtually all presentations pertaining to cardiac surgery and thoracic trauma, particularly in relation to penetrating chest injuries. I have seen all complications and have actively led in their management.**

**Medico-legal work:**

**Through my career, I have always been involved in this demanding area of work, My experience extends over the areas of personal injury and also, over the areas of malpractice and negligence. I am used to taking instructions, examining clients and preparing reports to pressurised time scale. I have represented both claimants and defendants and have worked for individual practitioners, legal firms and Hospital Trusts. I have prepared joint statements. I have appeared as an Expert Witness. This latter work has been very interesting, always necessitating extensive literature reviews.**

**I prepare one report per month and have appeared in court sporadically (one in the last three years). I have been called to the Coroners’ Court more frequently (every other year).**

**My break down is 20 : 80; defendant to claimant. Have prepared joint statements.**

**As is clear from my CV, my very wide experience in many areas of healthcare gives me the gravitas and credibility essential in an expert witness.**

**Training:**

**I have attended multiple courses but, in particular I recently (March 2018) attended a two-day course “The Expert Witness” run jointly by the BPP University and the Clinical forensic and legal medical section of the Royal Society of Medicine.**

## **ADDITIONAL POSITIONS HELD**

- ✓ 2004 to 2012. NICE Specialist Advisor Interventional Procedures
- ✓ 2004 to present. NHS R&D Technology Assessment Reviewer (now NIHR Grant Reviewer)
- ✓ 2005 to 2010. Tripartite audit group, representing the Care Quality Commission, with the Society of Cardiothoracic Surgeons, DH and CCAD.
- ✓ 2006 to 2010. NICE, topic selection consideration panels (cardiovascular disease)
- ✓ 2006-07 External validation to the Regulation and Quality Improvement Authority, Northern Ireland
- ✓ 2007 to 2010. Board member. National Steering group, Cancer Peer Review
- ✓ 2007 to 2008 NICE Clinical guideline development group, prophylaxis against infective endocarditis
- ✓ 2008 to 2011. National Institute for Health Research. Board member representing CQC.
- ✓ 2008 to 2011. Academy of the Medical Royal Colleges project (revalidation) governance group. Member representing CQC.
- ✓ 2008 to 2011. Data Management Committee of the Society of Cardiothoracic Surgeons of Great Britain and Ireland. Member.
- ✓ 2009 to 2011. NHS Revalidation Support Team; associate. Medical Appraisal Framework (MAF) subgroup
- ✓ 2008 to 2009. GMC Affiliates, northern pilot (Regional Medical regulation support team).
- ✓ 2008 to 2014 IPREG (Intellectual Property Regulation Board), founder member; Chair Governance Board; lay member
- ✓ 2010 to 2012. North West SHA. Member of the Trauma Clinical Advisory Board
- ✓ 2010 to present. ACCEA. Member of the North-West Selection Committee
- ✓ 2010 to 2012. North West SHA. Member Revalidation Expert Group
- ✓ 2012 to 2015 Civil Aviation Authority. Member of the Cardiovascular Advisory Committee
- ✓ 2015 to present NICE. Technology Reviewer

**I have been busy in the clinical research arena, collaborating with colleagues in the University of Manchester. In addition, I have collaborated with colleagues across the UK in developing multicentre studies.**

## **Research Contributions (from 2015 to present):**

### **Peer reviewed - Papers:**

1. Benedetto U, Altman DG, Flather M, Gerry S, Gray A, Lees B, Taggart DP; Arterial Revascularization Trial Investigators. Incidence and clinical implications of intraoperative bilateral internal thoracic artery graft conversion: Insights from the Arterial Revascularization Trial. *J Thorac Cardiovasc Surg.* 2018 Jun;155(6):2346-2355.e6. doi: 10.1016/j.jtcvs.2018.02.012. Epub 2018 Feb 13.
2. Benedetto U, Altman DG, Gerry S, Gray A, Lees B, Angelini GD, Flather M, Taggart DP; ART (Arterial Revascularization Trial) Investigators. Safety of Perioperative Aprotinin Administration During Isolated Coronary Artery Bypass Graft Surgery: Insights From the ART (Arterial Revascularization Trial). *J Am Heart Assoc.* 2018 Mar 3;7(5). pii: e007570. doi: 10.1161/JAHA.117.007570
3. Kirmani BH, Brazier A, Sriskandarajah S, Alshawabkeh Z, Gurung L, Azzam R, Keenan DJ, Hasan R, Abunasra H. Long-term survival following off-pump coronary artery bypass grafting. *Ann Thorac Surg.* 2016; 102, Issue 1, 22–27
4. Taggart DP, Altman DG, Gray AM, Lees B, Gerry S, Benedetto U, Flather M; ART Investigators. Randomised trial of bilateral versus single internal-thoracic-artery grafts. *N Engl J Med.* 2016 Dec 29;375(26):2540-9. doi: 10.1056/NEJMoa1610021. Epub 2016 Nov 14.
5. Kirmani BH, Brazier A, Sriskandarajah S, Azzam R, Keenan DJ. A meta-analysis of computerized tomography scan for reducing complications following repeat sternotomy for cardiac surgery. *Interact Cardiovasc Thorac Surg.* 2016 Apr;22(4):472-9
6. Hausenloy DJ, Candilio L, Evans R, Ariti C, Jenkins DP, Kolvekar S, Knight R, Kunst G, Laing C, Nicholas J, Pepper J, Robertson S, Xenou M, Clayton T, Yellon DM; ERICCA Trial Investigators. Remote Ischemic Preconditioning and Outcomes of Cardiac Surgery. *N Engl J Med.* 2015 Oct 8;373(15):1408-17. doi: 10.1056/NEJMoa1413534.
7. Tee A, Hasan R, McLaughlin KE, Keenan D, Datta S. Is pre-operative haemoglobin A1c level a successful predictor of adverse outcome after cardiac surgery? *J Cardiothorac Surg.* 2015 Dec 16;10 Suppl 1:A328. doi: 10.1186/1749-8090-10-S1-A328. Epub 2015
8. Martin R, Mayr M, Mhasa B, Choy M, Owens A, Chico T, Keenan D, Yonan N, Keavney B. Genetic variants associated with risk of atrial fibrillation regulate expression of PITX2, CAV1, MYOZ1, C9orf3 and FANCC. *J Mol Cell Cardiol.* 2015, 85, 207-214
9. Bilal RH, Keenan D. Role of computed tomography in tailoring reoperative procedures and changing trends in reoperative cardiac surgery. *Eur J Cardiothorac Surg* 2015; 47(5), 824-825