

Dr Martin Goddard. MB BCh, FRCS (Eng), MRCPATH, FRCPath

Consultant Histopathologist

specialising in cardio thoracic pathology

MRCPATH: 1994

Summary

Dr Martin Goddard was appointed as a Consultant Histopathologist in 1996 and provides a full range of diagnostic cardio thoracic pathology. Martin is the clinical lead for cardiac pathology including cardiac transplantation. He is a member and the current Secretary of the National Cardiac Pathology Network having been the Chairman from 2012 to 2016. Martin is also the Specialist Adviser to the Royal College of Pathologists on cardiac pathology.

Martin's medico-legal work relating to cardiac pathology is extensive and he regularly undertakes autopsies on referred hearts from cases of Sudden Adult Death and for other expert cardiac pathology opinions.

Martin's major research interests are in the field of cardio vascular disease and cardiac transplantation in particular coronary artery vasculopathy. His other specialist clinical interests include Sudden Adult Death and Radiology/Pathology Correlations.

Committee memberships

- Fellow of the Royal College of Surgeons of England
- Member of the Pathological Society of Great Britain and Ireland
- Member of the Association of Clinical Pathologists
- Fellow of the Royal College of Pathologists
- East Anglian Pathologists Club
- Pulmonary Pathology Club
- Member of International Society of Heart Lung Transplantation
- UK Cardiac Pathology Network

Recent and important publications

- High-throughput sequencing identifies STAT3 as the DNA-associated factor for p53 – NF – kappaB-complex-dependent gene expression in human heart failure. Choy MK, Movassagh M, Siggins L, Vujic A, Goddard M, Sanchez A, Perkins A, Perkins N, Figg N, Bennett M, Carroll J, Foo R. *Genome Med* 2010 June 14;2(6):37
- Inherited cardiovascular conditions: the challenges of genomic medicine. Burton H, Alberg C, Hall A, Sagoo GS, Stewart A; *Inherited Cardiovascular Conditions Services*. *Heart*. 2010 Mar;96(6):474-6
- Deposition of C4d and C3d in cardiac transplants: a factor in the development of coronary artery vasculopathy. Moseley EL, Atkinson C, Sharples LD, Wallwork J, Goddard MJ. *J Heart Lung Transplant*. 2010 Apr;29(4):417-23. Epub 2010 Feb 25
- Donor CD4 T cells contribute to cardiac allograft vasculopathy by providing help for autoantibody production. Win TS, Rehakova S, Negus MC, Saeb-Parsy K, Goddard M, Conlon TM, Bolton EM, Bradley JA, Pettigrew GJ. *Circ Heart Fail*. 2009 Jul;2(4):361-9. Epub 2009 May 13
- TNF receptors differentially signal and are differentially expressed and regulate in the human heart. Al-Lamki RS, Brookes AP, Wang J, Reid MJ, Parameshwar J, Goddard MJ, Tellides G, Wan T, Min W, Pober JS, Bradley JR. *Am J Transplant*. 2009 Dec;9(12):2679-96. Epub 2009 Sept 25

Areas of expertise

Forensic pathology

Specialist pathology (Histopathology)
Suspicious and/or sudden adult death
Second independent post mortems
Vascular Disease
Radiology/Pathology Correlations



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specialising in cardio thoracic pathology (continued)

- Chronic apoptosis of vascular smooth muscle cells accelerates atherosclerosis and promotes calcification and medial degeneration. Clarke MC, Littlewood TD, Figg N, Maguire JJ, Davenport AP, Goddard M, Bennett MR. *Circ Res.* 2008 June 20;102(12):1529-38. Epub 2008 May 22.
- Monocyte/macrophage suppression in CD11b diphtheria toxin receptor transgenic mice differentially affects atherogenesis and established plaques. Stoneman V, Braganza D, Figg N, Mercer J, Lang R, Goddard M, Bennett M. *Circ Res.* 2007 Mar 30;100(6):884-93. Epub 2007 Feb 22.
- Sarcoidosis presenting with tachy- and brady-arrhythmias. Swanson N, Goddard M, McGann G, Ng GA. *Europace.* 2007 Feb;9(2):134-6. Epub 2007 Jan 11.
- Is obliterative bronchiolitis in lung transplantation associated with microvascular damage to small airways? Luckraz H, Goddard M, McNeil K, Atkinson C, Sharples LD, Wallwork J. *Ann Thorac Surg.* 2006 Oct;82(4):1212-8.
- Apoptosis of vascular smooth muscle cells induces features of plaque vulnerability in atherosclerosis. Clarke MC, Figg N, Maguire JJ, Davenport AP, Goddard M, Littlewood TD, Bennett MR. *Nat Med.* 2006 Sep;12(9):1075-80. Epub 2006 Aug 6.
- Vascular smooth muscle cells undergo telomere-based senescence in human atherosclerosis: effects of telomerase and oxidative stress. Matthews C, Gorenne I, Scott S, Figg N, Kirkpatrick P, Ritchie A, Goddard M, Bennett M. *Circ Res.* 2006 Jul 21;99(2):156-64. Epub 2006 Jun 22.
- Biological efficacy of low against medium dose aspirin regimen after coronary surgery: analysis of platelet function. Cornelissen J, Kirtland S, Lim E, Goddard M, Bellm S, Sheridan K, Large S, Vuylsteke A. *Thromb Haemost.* 2006 Mar;95(3):476-82.
- Octogenarians undergoing cardiac surgery outlive their peers; a case for early referral. Stoica SC, Cafferty F, Kitcat J, Baskett RJ, Goddard M, Sharples LD, Wells FC, Nashef SA. *Heart* 2006 Apr;92(4):503-6. Epub 2005 Aug 23.
- TNF, acting through inducibly expressed TNFR2, drives activation and cell cycle entry of c-Kit+ cardiac stem cells in ischemic heart disease. Al-Lamki RS1, Lu W, Wang J, Yang J, Sargeant TJ, Wells R, Suo C, Wright P, Goddard M, Huang Q, Lebastchi AH, Tellides G, Huang Y, Min W, Poerber JS, Bradley JR. *Stem Cells.* 2013 Sep;31(9):1881-92. doi: 10.1002/stem.1433.
- A web-based pilot study of inter-pathologist reproducibility using the ISHLT 2004 working formulation for biopsy diagnosis of cardiac allograft rejection: the European experience. Angelini A1, Andersen CB, Bartoloni G, Black F, Bishop P, Doran H, Fedrigo M, Fries JW, Goddard M, Goebel H, Neil D, Leone O, Marzullo A, Ortmann M, Paraf F, Rotman S, Turhan N, Bruneval P, Frigo AC, Grigoletto F, Gasparretto A, Mencarelli R, Thiene G, Burke M. *J Heart Lung Transplant.* 2011 Nov;30(11):1214-20. doi: 10.1016/j.healun.2011.05.011. Epub 2011 Aug 3.
- Distinct epigenomic features in end-stage failing human hearts. Movassagh M1, Choy MK, Knowles DA, Cordeddu L, Haider S, Down T, Siggins L, Vujic A, Simeoni I, Penkett C, Goddard M, Lio P, Bennett MR, Foo RS. *Circulation.* 2011 Nov 29;124(22):2411-22. doi: 10.1161/CIRCULATIONAHA.111.040071. Epub 2011 Oct 24.
- Donor brain death exacerbates complement-dependent ischemia/reperfusion injury in transplanted hearts. Atkinson C1, Floerchinger B, Qiao F, Casey S, Williamson T, Moseley E, Stoica S, Goddard M, Ge X, Tullius SG, Tomlinson S. *Circulation.* 2013 Mar 26;127(12):1290-9. doi: 10.1161/CIRCULATIONAHA.112.000784. Epub 2013 Feb 26.
- Dual-energy computed tomography imaging to determine atherosclerotic plaque composition: a prospective study with tissue validation. Obaid DR1, Calvert PA1, Gopalan D2, Parker RA3, West NE2, Goddard M2, Rudd JH4, Bennett MR5. *J Cardiovasc Comput Tomogr.* 2014 May-Jun;8(3):230-7. doi: 10.1016/j.jcct.2014.04.007. Epub 2014 May.
- Histologic analysis of the right atrioventricular junction in the adult human heart. Messer S1, Moseley E, Marinescu M, Freeman C, Goddard M, Nair S. *J Heart Valve Dis.* 2012 May;21(3):368-73.
- Mesenteric ischaemia following cardiac surgery: the influence of intraoperative perfusion parameters. Sastry P1, Hardman G1, Page A1, Parker R2, Goddard M1, Large S1, Jenkins DP3. *Interact Cardiovasc Thorac Surg.* 2014 Jun 17. pii: ivu139.
- Pathology of pulmonary antibody-mediated rejection: 2012 update from the Pathology Council of the ISHLT. Berry G1, Burke M, Andersen C, Angelini A, Bruneval P, Calabrese F, Fishbein MC, Goddard M, Leone O, Maleszewski J, Marboe C, Miller D, Neil D, Padera R, Rassl D, Revello M, Rice A, Stewart S, Yousem SA. *J Heart Lung Transplant.* 2013 Jan;32(1):14-21. doi: 10.1016/j.healun.2012.11.005.
- The landscape of DNA repeat elements in human heart failure. Haider S, Cordeddu L, Robinson E, Movassagh M, Siggins L, Vujic A, Choy MK, Goddard M, Lio P, Foo R. *Genome Biol.* 2012 Oct 3;13(10):R90. doi: 10.1186/gb-2012-13-10-r90.
- The value of post mortems in cardiac surgery: learning from the dead. De Silva RJ1, Bhinda P, Goddard M, Choong CK. *Heart Lung Circ.* 2012 Mar;21(3):150-3. doi: 10.1016/j.hlc.2011.11.005. Epub 2011