

Prof John Dark**Address:**

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Qualifications: MB.BS, FRCS (Eng and Edin) FRCP (London and Edin) FETCS

Professional registration: GMC No 4302995, Fully registered since August 1977

Current Positions

Professor of Cardiothoracic Surgery, Newcastle University and Strategic Research
Advisor, Translational and Clinical Research Institute, Faculty of Medical Sciences

Honorary Consultant Cardiothoracic Surgeon, Newcastle upon Tyne NHS Hospitals Trust
(Freeman Hospital) (Retired from clinical work August 2017)

Previously National Clinical Lead for Governance, Organ Donation and Transplant (ODT), NHS
Blood and Transplant (NHSBT), until 31 March 2019.

Background I trained in Newcastle, Glasgow, London and Toronto, and was a Consultant in
Edinburgh before being appointed in Newcastle in 1987.

Clinical Profile I headed the cardiac and pulmonary transplant programme at the Freeman hospital
for over 20 years, building it into the most active in the UK, and resumed a lead role in the transplant
programme in March 2016.

Clinical interests were in adult heart and lung transplantation, complex aortic surgery, and mitral
and aortic valve repair, but I performed the full range of procedures within adult cardiac surgery. I
was a consultant cardiothoracic surgeon for over 30 years and previously maintained a very busy
and varied clinical workload. I retired from clinical practice at the end of August 2017

Markers of esteem include past-President of both the European Society for Organ Transplantation
(ESOT) and the International Society for Heart and Lung Transplantation (ISHLT). Previously chaired
the Clinical Reference Group for Heart and Lung Transplantation at NHS England.

Research experience: Extensive experience in clinical and laboratory research, going back over 30
years. Supervision of a number Translational and Clinical Research Institute, Newcastle University

Research interests centred around clinical heart and lung transplantation, reperfusion injury in the
lung and then pathophysiology of brain stem death. We had an active interest in clinical EVLP and I
was a PI for the Newcastle-based DEVELOP-UK Trial. Current research is in donor pathophysiology
and ex-vivo organ perfusion.

Co-PI, SIGNET study, NIHR funded, a randomised prospective study giving Simvastatin to DBD
donors over 4 years, 2020-2025. This is probably the largest donor intervention study in the world

Local PI ART, 2008-10, DEVELOP-UK 2012-15, QUOD 2012 to present, QUOD/MRC Expansion 2017 to
present.

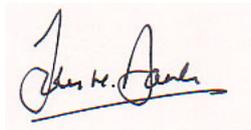
Co-Chair, Theme 1, BTRU.

Chair of DMC for PITHIA 2017 to present, member of DMC for ARISE 2014-2019

Publications Peer reviewed papers approach 250 in number. In addition, there are previous Book Chapters (15), Books and Monographs. I am a co-editor for the *Oxford Manual of Cardiopulmonary Transplantation*

Some Recent publications:

1. Wang L, McGowan G, Ali S, Dark JH, Ex-situ Heart Perfusion – The Past Present and Future. J Heart Lung Transplant <https://doi.org/10.1016/j.healun.2020.10.004>
Impact factor 7.95
2. Fisher AJ, Dark JH Ex vivo repair of human donor lungs for transplantation
Nature Medicine Published online July 10, 2020
doi : 10.1038/s41591-020-0967-4 NMED-NV105051 Impact factor 22.60
3. Novel Organ Perfusion and Preservation Strategies in Transplantation – where are we going in the UK? O’Neill S, Srinivasa S, Callaghan CJ, Watson CJE, Dark JH, Fisher AJ, Wilson CH, Friend PJ, Johnson R, Forsythe JL, Ploeg RJ, Mirza DF, Wigmore SJ, Oniscu GC Transplantation 2020
DOI: 10.1097/TP.0000000000003106 Impact Factor 4.593
4. Manara A, Shemie SD, Large S, Healey A, Baker A, Badiwala M, Merman M, Butler AJ, Chaudhury P, Dark JH, Forsythe J, Freed DH, Gardiner D, Harvey D, Hornby L, MacLean J, Messer M, Oniscu GC, Simpson C, Teitelbaum J, Torrance S, Wilson LC, Watson CJE
Maintaining the permanence principle for death during in situ normothermic regional perfusion for donation after circulatory death organ recovery: A United Kingdom and Canadian proposal Am J Transplant 2020; 00:1–9.
DOI: 10.1111/ajt.15775 Impact Factor 7.193
5. MacGowan GA, Dark JH, Corris PA, Nair A Effects of Drug Abuse, Smoking and Alcohol on Donor Hearts and Lungs Transplant International 2019; 32: 1019–1027 Impact Factor 3.526
6. Fisher A, Andreasson A, Chrysos A, Lally J, Mamasoula C, Exley C, Wilkinson J, Qian J, Watson G, Lewington O, Chadwick T, McColl E, Pearce M, Mann K, McMeekin N, Vale L, Tsui S, Yonan N, Simon A, Marczin N, Mascaro J, Dark J. An observational study of Donor Ex Vivo Lung Perfusion in UK lung transplantation: DEVELOP-UK. *Health Technol Assess.* 2016 Nov;20(85):1-276.
7. Dark JH. Safe and effective use of the extended donor heart. European Journal of Cardio-Thoracic Surgery 2015, **47**(1), 78-79.



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