

Research interests

Stephen Clark is a Consultant Cardiothoracic and Transplant Surgeon at Freeman Hospital, Newcastle upon Tyne and is the Director of Cardiopulmonary Transplantation. He is also a Medical Examiner.

He is Professor of Cardiothoracic Surgery and Transplantation in the Faculty of Health and Life Sciences, University of Northumbria.

He was appointed in 2000 after training in Newcastle, London, Cambridge and Toronto. He is Chairman of the European Board of Cardiothoracic Surgery and is a Fellow of the Faculty of Surgical Trainers. He is a former Clinical Director for Quality and Patient Safety.

Stephen represents the Society for Cardiothoracic Surgery in Great Britain and Ireland on CORESS and is a member of the SCTS Transplantation Sub-Committee. He has a long standing interest in medicolegal practice, human factors, fatigue effects, patient safety checklists and protocols.

He has an ongoing commitment to setting up heart and lung transplant programs in Asia, especially Sri Lanka where he guided the first heart transplant there last year.

Employment

Professor

Applied Sciences
Northumbria University
25 Apr 2014 → present

Research output

Is there a renoprotective value to leukodepletion during heart valve surgery? A randomized controlled trial (ROLO)

Khoshbin, E., Spencer, S., Solomon, L., Tang, A., Clark, S., Stokes, E., Wordsworth, S., Dabner, L., Edwards, J., Reeves, B. & Rogers, C., 26 Mar 2021, In: *Journal of Cardiothoracic Surgery*. 16, 1, 10 p., 58.

The impact of the SARS-CoV-2 pandemic and COVID-19 on lung transplantation in the UK: Lessons learned from the first wave

NHS Blood, Transplant Cardiothoracic Advisory Group Clinical Audit Group, Hardman, G., Sutcliffe, R., Hogg, R., Mumford, L., Grocott, L., Mead-Regan, S-J., Nuttall, J., Dunn, S., Seeley, P., Clark, S., Quigley, R., Al-Attar, N., Booth, K., Dark, J. H. & Fisher, A. J., 1 Mar 2021, In: *Clinical Transplantation*. 35, 3, 10 p., e14210.

Exercise training for lung transplant candidates and recipients: a systematic review

Hume, E., Ward, L., Wilkinson, M., Manifold, J., Clark, S. & Vogiatzis, I., 31 Dec 2020, In: *European Respiratory Review*. 29, 158, p. 1-19 19 p., 200053.

Patient safety checklists in heart and lung transplantation

Clark, S., 7 Sep 2020, In: *Trends in Transplantation*. 13, 2, 2 p.

Infective endocarditis in intravenous drug users in Europe: A clean start?

Chilvers, N. & Clark, S. C., 1 Sep 2020, In: *The Journal of Thoracic and Cardiovascular Surgery*. 160, 3, p. e131 1 p.

Donation after circulatory death in lung transplantation—five-year follow-up from ISHLT Registry

Van Raemdonck, D., Keshavjee, S., Levvey, B., Cherikh, W. S., Snell, G., Erasmus, M., Simon, A., Glanville, A. R., Clark, S., D'Ovidio, F., Catarino, P., McCurry, K., Hertz, M. I., Venkateswaran, R., Hopkins, P., Inci, I., Walia, R., Kreisel, D., Mascaro, J., Dilling, D. F. & 8 others, Camp, P., Mason, D., Musk, M., Burch, M., Fisher, A., Yusen, R. D., Stehlik, J. & Cypel, M., 1 Dec 2019, In: *Journal of Heart and Lung Transplantation*. 38, 12, p. 1235-1245 11 p.

Bilateral versus single internal-thoracic-artery grafts at 10 years

Arterial Revascularization Trial Investigators, 31 Jan 2019, In: *New England Journal of Medicine*. 380, 5, p. 437-446 10 p.

Mini-sternotomy for retrosternal thyroidectomy - how we do it and potential advantages for patients

Chan, S., Rizzo, V., Nolan, G., Fox, H., Clark, S. & Welch, A., Jan 2019, In: *British Journal of Surgery*. 106, S1, p. 17-18 2 p.

Quadruple valve replacement for carcinoid heart disease

Mujtaba, S. S. & Clark, S., 1 Sep 2018, In: Brazilian Journal of Cardiovascular Surgery. 33, 4, p. 398-403 6 p.

Outcomes of lung transplantation in adults with bronchiectasis

Birch, J., Sunny, S. S., Hester, K. L. M., Parry, G., Kate Gould, F., Dark, J. H., Clark, S., Meachery, G., Lordan, J., Fisher, A. J., Corris, P. A. & De Soyza, A., 22 May 2018, In: BMC Pulmonary Medicine. 18, 82.

ISHLT Consensus Statement on adult and pediatric airway complications after lung transplantation: Definitions, grading system, and therapeutics

Crespo, M. M., McCarthy, D. P., Hopkins, P. M., Clark, S. C., Budev, M., Bermudez, C. A., Benden, C., Eghtesady, P., Lease, E. D., Leard, L., D'Cunha, J., Wigfield, C. H., Cypel, M., Diamond, J. M., Yun, J. J., Yarmus, L., Machuzak, M., Klepetko, W., Verleden, G., Hoetzenecker, K. & 2 others, Dellgren, G. & Mulligan, M., May 2018, In: Journal of Heart and Lung Transplantation. 37, 5, p. 548-563

Early Clinical Results of Perceval Sutureless Aortic Valve in 139 Patients: Freeman Experience

Mujtaba, S. S., Ledingham, S., Shah, A. R., Clark, S., Pillay, T. & Schueler, S., 5 Apr 2018, In: Brazilian Journal of Cardiovascular Surgery. 33, 1, p. 8-14 7 p.

Aortic valve replacement with a conventional stented bioprosthesis versus sutureless bioprosthesis: A study of 763 patients

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Thrombocytopenia after aortic valve replacement: Comparison Between Sutureless Perceval S Valve and Perimount Magna Ease Bioprosthesis

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Carcinoid Heart Disease: Early Outcomes after Surgical Valve Replacement in Nine Patients

Mujtaba, S. S. & Clark, S., 16 Feb 2018, In: Heart Surgery Forum. 21, 1, p. E040-E043

Leadership Oversight for Patient Safety Programs: An Essential Element

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Extended trans-septal versus left atrial approach in mitral valve surgery: 1017 patients' experience

Mujtaba, S. S. & Clark, S. C., 2018, In: Heart Asia. 10, 2, e011008.

Sutureless aortic valve replacement: Progress for the sake of progress?

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Pacemaker Implantation Rate Post Sutureless Aortic Valve Replacement: 23% Is Just Too High

Booth, K. & Clark, S., Nov 2017, In: Annals of Thoracic Surgery. 104, 5, p. 1761-1762 2 p.

Extra-corporeal membrane oxygenation for refractory cardiogenic shock after adult cardiac surgery: a systematic review and meta-analysis

Khorsandi, M., Dougherty, S., Bouamra, O., Pai, V., Curry, P., Tsui, S., Clark, S., Westaby, S., Al-Attar, N. & Zamvar, V., 17 Jul 2017, In: Journal of Cardiothoracic Surgery. 12, 1, 55.

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Lung transplantation in Turkey: lessons from surgeons and pulmonologists

Dabak, G., Dalar, L., Taşçı, E. & Clark, S., 17 Nov 2016, In: Turkish Journal of Medical Sciences. 46, p. 1434-1442

Comment on: Compassionate deactivation of ventricular assist devices in pediatric patients

McKenna, M. & Clark, S. C., 31 Oct 2016, In: Journal of Heart and Lung Transplantation. 35, 10, p. 1275-1276 2 p.

Observational study of lung transplant recipients surviving 20 years

Sithamparanathan, S., Thirugnanasothy, L., Clark, S., Dark, J. H., Fisher, A. J., Gould, K. F., Hasan, A., Lordan, J. L., Meachery, G., Parry, G. & Corris, P. A., Aug 2016, In: Respiratory Medicine. 117, p. 103-8 6 p.

International Expert Consensus on Sutureless and Rapid Deployment Valves in Aortic Valve Replacement Using Minimally Invasive Approaches

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Sutureless, rapid deployment valves and stented bioprosthesis in aortic valve replacement: recommendations of an International Expert Consensus Panel

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Allogeneic blood transfusion in bilateral lung transplantation: impact on early function and mortality

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Lung Transplant With Cardiopulmonary Bypass: Impact of Blood Transfusion on Rejection, Function, and Late Mortality

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Bridging to lung transplantation for severe pulmonary hypertension using dual central Novalung lung assist devices

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Unusual cause of hypoxemia after automatic implantable cardioverter-defibrillator leads extraction

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Where are the surgeons? A safety opportunity missed?

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National Healthcare Delivery Systems Influence Lung Transplant Outcomes for Cystic Fibrosis

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Sutureless Aortic Valve Replacement International Registry (SU-AVR-IR): design and rationale from the International Valvular Surgery Study Group (IVSSG)

Di Eusanio, M., Phan, K., Bouchard, D., Carrel, T., Dapunt, O., Di Bartolomeo, R., Eichstaedt, H., Fischlein, T., Folliguet, T., Gersak, B., Glauber, M., Haverich, A., Misfeld, M., Oberwalder, P., Santarpino, G., Shrestha, M. L., Solinas, M., Vola, M., Alamanni, F., Albertini, A. & 17 others, Bhatnagar, G., Carrier, M., Clark, S., Collart, F., Kappert, U., Kocher, A., Meuris, B., Mignosa, C., Ouda, A., Pelletier, M., Rahmanian, P., Reineke, D., Teoh, K., Troise, G., Villa, E., Wahlers, T. & Yan, T., Mar 2015, In: *Annals of Cardiothoracic Surgery*. 4, 2, p. 131-139

Blood transfusion after lung transplantation: Impact on early function and survival

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The role of cardiopulmonary bypass in the management of retrohepatic vena cava injury - A case report and review of the literature

Robinson, S. M., Wilson, C. H., Clark, S. & Manas, D. M., Jul 2014, In: *Injury Extra*. 45, 7, p. 45-47

Resuscitation of marginal hearts using ex vivo perfusion

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How To Place a Patient on Venovenous ECMO

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Multi-Centre Experience of Donor Choice Consent Forms in the United Kingdom

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Prolonged Intensive Care Unit Stay after Bilateral Lung Transplantation - Late Mortality & Functional Outcome?

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The Effect of Cold and Warm Ischemia Time on Survival After Lung Transplantation in a Large National Cohort

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The UK Retrieval Team "Scout" Pilot Programme

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The effect of ex vivo lung perfusion on microbial load in human donor lungs

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Donation after Circulatory Death Lung Activity in the UK – 100 Transplants and Counting

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Managing bronchial anastomotic complications – The influence of aspergillosis

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Should Recipients Choose Their Donor? Experience of a New Consent Process in Lung Transplantation

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Life-sustaining medical devices at the end of life

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Response to withdrawal of life-sustaining medical devices and advance care planning

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Improving Outcomes in Lung Transplantation for Cystic Fibrosis – A Unified Approach

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Tunnelling defibrillator leads from the chest to the abdomen for chronic pain

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Vascular anastomotic complications in lung transplantation: A single institution's experience

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Guidelines for Withdrawal of Ventricular Assist Devices

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I2C2—Bringing ISHLT to the World

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Clinical Experience with Asanguinous Ex-Vivo Lung Perfusion Utilizing the Vivoline System

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Comparison of single lung transplant with and without the use of cardiopulmonary bypass

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The Use of Cardiopulmonary Bypass in Lung Transplantation

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Outcome of Lung Graft Volume Reduction for Oversized Donors during Pulmonary Transplantation

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Outcome of Lung Graft Volume Reduction for Oversized Donors during Pulmonary Transplantation

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The Effect of Ex-Vivo Perfusion on the Inflammatory Profile of the Donor Lung

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WHO surgical checklist: Needs to be customised by specialty

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