

Professor Michael Burch, Paediatric Cardiologist, Great Ormond Street Hospital, London

Michael Burch holds a chair as Professor of Paediatric Cardiology at University College London and is Head of Department of Cardiology Great Ormond Street. He has also been Director of Cardiothoracic Transplantation for the last 10 years. Great Ormond Street is the largest paediatric cardiothoracic transplant program in Europe. The service performs heart, lung and heart lung transplantation. Bridge to heart transplantation is with Berlin Heart device in preschool children and is with Heartware in school age children.

His recent transplantation research has focussed on cardiac allograft vasculopathy (CAV), the leading cause of death in paediatric heart transplantation. He has investigated aetiology with 2 long term studies demonstrating the importance of inflammation and viral disease on CAV. He has collaborated with Imperial College on the use of MRI for CAV. His current work involves a first in man study of cell therapy for CAV in conjunction with Kings College.

His heart failure work has looked at outcomes (both in a UK wide and International), but his focus has been on novel therapies. He completed the first ever randomised/ placebo study of bone marrow stem cells in paediatric heart failure and is joint PI for the largest drug trial in paediatric heart failure PANORAMA study. He has also worked on the Global Burden of Diseases Project as part of a multi-national initiative from the Gates Foundation and this has resulted in a series of Lancet papers.