



Tom Meredith

- Affiliate, Department Funds
- Fellow in Medicine - Med/Cardiovascular Medicine

Bio

CLINICAL FOCUS

- Fellow
- Interventional Cardiology

PROFESSIONAL EDUCATION

- BMed MD, University of New South Wales, Sydney, Australia (2013)
- FRACP, Royal Australian College of Physicians (2021)
- MClintRes, The University of Sydney, Australia , Clinical trials research (2022)
- PhD, University of New South Wales, Sydney, Australia , Cardiac remodelling, aortic valve disease, machine learning, valve motion (2025)

Publications

PUBLICATIONS

- **Strain characterization of multi-chamber cardiac dysfunction and associated prognosis in patients undergoing TAVR for severe AS.** *Echo research and practice*
Meredith, T., Roy, D., Mohammed, F., Pomeroy, A., Feneley, M. P., Muller, D. W., Hayward, C., Namasivayam, M.
2026; 13 (1)
- **Complex Percutaneous Intervention and Intravascular Lithotripsy for Critical Cabrol Anastomotic Stenosis Jeopardizing Global Coronary Circulation.** *JACC. Case reports*
Meredith, T., Krishnam, M., Woo, J. P., Fearon, W. F., Hiesinger, W., Yeung, A.
2026: 107768
- **State-of-the-Art in Echocardiographic Strain Imaging of Arrhythmogenic Cardiomyopathy.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Meredith, T., Picard, M. H., Churchill, T. W., Bernard, S., Bertrand, P. B., Sanborn, D. M., Namasivayam, M.
2025
- **Aortic valve leaflet motion for diagnosis and classification of aortic stenosis using single view echocardiography.** *Journal of cardiovascular imaging*
Meredith, T., Mohammed, F., Pomeroy, A., Barbieri, S., Meijering, E., Jorm, L., Roy, D., Hayward, C., Kovacic, J. C., Muller, D. W., Feneley, M. P., Namasivayam, M.
2025; 33 (1): 8
- **Right Ventricular Function and Afterload Following Novel Transcatheter Tricuspid Valve Replacement.** *JACC. Case reports*
Kempton, H., Namasivayam, M., Meredith, T., Shaw, M., Jansz, P., Muller, D. W.
2025; 30 (11): 103312

- **Low-flow Low-gradient Aortic Stenosis: Foundations, Challenges, and Solutions** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
Weir, L., Meredith, T., Hayward, C., Muller, D., Feneley, M., Namasivayam, M.
2025; 27 (1)
- **Machine learning cluster analysis identifies increased 12-month mortality risk in transcatheter aortic valve replacement recipients** *FRONTIERS IN CARDIOVASCULAR MEDICINE*
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2025; 12: 1444658
- **Machine Learning Cluster Analysis Identifies Increased 12-Month Mortality Risk in Transcatheter Aortic Valve Replacement Recipients**
Meredith, T., Mohammed, F., Pomeroy, A., Barbieri, S., Meijering, E., Jorm, L., Feneley, M., Muller, D.
ELSEVIER SCIENCE INC.2024: B20
- **The influence of transcatheter aortic valve replacement on left atrial mechanics: a systematic review and meta-analysis.** *European heart journal. Imaging methods and practice*
Meredith, T., Brown, L., Mohammed, F., Pomeroy, A., Roy, D., Muller, D. W., Hayward, C., Feneley, M., Namasivayam, M.
2024; 2 (2): qyae026
- **Strain Assessment in Aortic Stenosis: Pathophysiology and Clinical Utility** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Meredith, T., Roy, D., Hayward, C., Feneley, M., Kovacic, J., Muller, D., Namasivayam, M.
2024; 37 (1): 64-76
- **A Clinician's Guide to the Changing Aortic Stenosis Landscape: Updates in Aortic Stenosis Diagnosis, Surveillance and Management** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
Meredith, T., Roy, D., Muller, D., Namasivayam, M.
2023; 25 (11): 675-688
- **Machine learning prediction of progressive subclinical myocardial dysfunction in moderate aortic stenosis** *FRONTIERS IN CARDIOVASCULAR MEDICINE*
Namasivayam, M., Meredith, T., Muller, D. W. M., Roy, D. A., Roy, A. K., Kovacic, J. C., Hayward, C. S., Feneley, M. P.
2023; 10: 1153814
- **MACHINE LEARNING PREDICTION OF PROGRESSIVE SUBCLINICAL MYOCARDIAL DYSFUNCTION IN MODERATE AORTIC STENOSIS**
Namasivayam, M., Meredith, T., Muller, D. W. M., Roy, D., Roy, A. K., Kovacic, J., Hayward, C. S., Feneley, M. P.
ELSEVIER SCIENCE INC.2023: 1398
- **Coronary angiography of the ex-situ beating donor heart in a portable organ care system** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
Meredith, T., Scheuer, S., Hoffman, M., Joshi, Y., Kathir, K., Gunalingam, B., Roy, D., Wilson, S., Jansz, P., Macdonald, P., Muller, D.
2022; 100 (7): 1252-1260
- **Extracorporeal Membrane Oxygenation-Supported Transcatheter Mitral Valve-in-Valve Replacement and Paravalvular Plugging for Critical Prosthetic Mitral Stenosis.** *JACC. Case reports*
Meredith, T., Gorrie, N., Roy, D., Muller, D. W.
2022; 4 (8): 491-496
- **Importance of electromagnetic interactions between ICD and VAD devices-Mechanistic assessment** *ARTIFICIAL ORGANS*
Schneeg, B., Robson, D., Furholz, M., Meredith, T., Kessler, C., Baldinger, S. H., Hayward, C.
2022; 46 (6): 1132-1141
- **Heart failure therapies for the prevention of HER2-monoclonal antibody-mediated cardiotoxicity: A systematic review and meta-analysis**
Brown, L. J., Meredith, T., Yu, J., Patel, A., Neal, B., Arnott, C., Lim, E.
WILEY.2021: 119
- **Heart Failure Therapies for the Prevention of HER2-Monoclonal Antibody-Mediated Cardiotoxicity: A Systematic Review and Meta-Analysis of Randomized Trials** *CANCERS*
Brown, L. J., Meredith, T., Yu, J., Patel, A., Neal, B., Arnott, C., Lim, E.
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- **The use of direct oral anticoagulants in patients with ventricular assist devices: Is there hope for Factor Xa inhibition?** *ARTIFICIAL ORGANS*
Meredith, T., Schnegg, B., Hayward, C.
2021; 45 (5): E123-E129
- **Spontaneous Oscillatory Left Ventricular-Aortic Uncoupling Under Continuous-Flow Left Ventricular Assist Device Support** *CIRCULATION-HEART FAILURE*
Jain, P., Meredith, T., Adj, A., Schnegg, B., Hayward, C. S.
2021; 14 (2): e007658
- **Colonic malakoplakia in a dual stem cell and cardiac transplant recipient: A case report and literature review** *TRANSPLANT INFECTIOUS DISEASE*
Meredith, T., Dharan, N., Killen, L., Anandabaskaran, S., Kim, A., Yang, T., Marriott, D., Hayward, C., Macdonald, P.
2021; 23 (2): e13488
- **The Challenge of Researching Pre-Treatment Omission With Invasive Strategy Timing in NSTEMI** *JACC-CARDIOVASCULAR INTERVENTIONS*
Meredith, T., Nadel, J., Jain, P., Roy, D.
2020; 13 (14): 1726
- **Recanalization of an atretic left internal mammary graft after bypass surgery for an anomalous left main coronary artery origin: a case report** *EUROPEAN HEART JOURNAL-CASE REPORTS*
Meredith, T., Jansz, P., Sesel, K., Kathir, K.
2019; 3 (1): yty152
- **Isolated myocardial relapse of Philadelphia-positive acute lymphoblastic leukaemia causing myocarditis: a case report** *EUROPEAN HEART JOURNAL-CASE REPORTS*
Nadel, J., Meredith, T., Anthony, C., Sivasubramaniam, V., Jabbour, A.
2018; 2 (4): yty104
- **Pushing beyond the limit: a novel clinical sign of thoracic aortic dissection.** *BMJ case reports*
Meredith, T., Jain, P., Feneley, M.
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