Stanford



Henry Chubb

Clinical Associate Professor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

- **Pediatric Heart Center**

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  Palo Alto, CA 94304

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Bio

BIO

Henry Chubb is a Clinical Associate Professor in pediatric and adult congenital cardiac electrophysiology. He trained in Cambridge, Oxford and London in the UK, and has a PhD in the application of advanced MRI techniques to the management of cardiac arrhythmias. He has worked at Stanford since 2018, and provides specialist clinical arrhythmia care for both pediatric and adult congenital patients, including electrophysiological studies, ablation and device (pacemaker and ICD) implantation. He is a Fellow of the Heart Rhythm Society, an examiner for the IBHRE (International Board of Heart Rhythm Examiners), and author of over 100 peer reviewed journal articles and 6 book chapters.

Henry Chubb's research interests include the targeted use of physiological pacing in both children and ACHD patients (including conduction system pacing and cardiac resynchronization therapy (CRT)), the application of advanced imaging techniques to arrhythmia management, and the development of machine learning techniques for improved diagnostics in electrophysiology. His publications also include the management of Wolf-Parkinson-White syndrome, ablation strategies for AVNRT, internal cardioverter defibrillators in children and ventricular arrhythmias.

CLINICAL FOCUS

- Cardiac Electrophysiology
- Congenital Heart Defects
- Adult Congenital Heart Disease
- Cardiac Arrhythmias
- Artificial Cardiac Pacemaker
- Defibrillators, Implantable
- Cardiac Resynchronization Therapy
- Clinical Cardiac Electrophysiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Cardiology

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Madeleine Steel Travel Fellowship, Madeleine Steel Charity, UK (2017)
- Runner-up- Young Investigator of the Year, Heart Rhythm Congress, UK (2015)
- Travel Scholarship, European Heart Rhythm Association (2015)
- First place in Europe in written examinations, European Accreditation in Paediatric and Congenital Echocardiography (2012)
- Glynn Morgan Prize for Cardiology, University College, London, UK (2004)
- G.W Greig Prize, Christ's College, Cambridge University (2001)
- Rapaport Prize, Christ's College, Cambridge University (1999)
- Tancred Scholarship, Tancred Educational Foundation, London, UK (1999)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Examiner, International Board of Heart Rhythm Examiners (IBHRE) (2021 - present)
- Editorial board member (Fellow), Circulation: Arrhythmia and Electrophysiology (2019 - 2020)
- Editorial board member, Journal of Cardiac Magnetic Resonance (JCMR) (2017 - present)
- Member, Pediatric & Congenital Electrophysiology Society (PACES) (2014 - present)
- Member, Heart Rhythm Society (2013 - present)
- MRCPCH (UK), Member of Royal College of Paediatrics and Child Health (2009 - present)
- MRCP (UK), Royal College of Physicians (2007 - present)
- General Medical Council (UK), Specialist registration: Paediatric Cardiology. Registered with full licence to practice. (2004 - present)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Cardiology, General Medical Council (2018)
- Board Certification: Electrophysiology, International Board of Heart Rhythm Examiners (2018)
- Fellowship: London Deanery (2017)
- Residency: London School of Paediatrics (2009) UK
- Residency: John Radcliff Hospital (2007) OX
- Internship: University College Hospital (2005) UK
- Medical Education: University College London (2004) UK
- Fellowship, Paediatric Cardiology Registrar- Electrophysiology Fellow- Great Ormond Street Hospital, London, UK , 2016-2017
- PhD, King's College London: The use of cardiac magnetic resonance imaging techniques in the management of atrial arrhythmias , 2013-2016
- Fellowship, Paediatric Cardiology Registrar- Evelina London Children's Hospital, UK , 2010-2013
- Fellowship, Paediatric Cardiology Registrar- Royal Brompton Hospital, London, UK , 2009-2010

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

https://www.researchgate.net/profile/Henry_Chubb

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Priyanka Multani

Publications

PUBLICATIONS

- **Leadless and extravascular cardiac resynchronization therapy: the future for CRT?** *Nature reviews. Cardiology*
  Niederer, S., Chubb, H., Bilchick, K. C., Rinaldi, C. A.
  2025

- **Multicenter Study of Survival Benefit of Cardiac Resynchronization Therapy in Pediatric and Congenital Heart Disease.** *JACC. Clinical electrophysiology*
  Chubb, H., Mah, D. Y., Shah, M., Lin, K. Y., Peng, D. M., Hale, B. W., May, L., Etheridge, S., Goodyer, W., Ceresnak, S. R., Motonaga, K. S., Rosenthal, D. N., Almond, et al
  2023

- **Conduction system pacing in pediatric and congenital heart disease.** *Frontiers in physiology*
  Chubb, H., Mah, D., Dubin, A. M., Moore, J.
  2023; 14: 1154629

- **Impact and Modifiers of Ventricular Pacing in Patients With Single Ventricle Circulation.** *Journal of the American College of Cardiology*
  Chubb, H., Bulic, A., Mah, D., Moore, J. P., Janousek, J., Fumanelli, J., Asaki, S. Y., Pflaumer, A., Hill, A. C., Escudero, C., Kwok, S. Y., Mangat, J., Ochoa Nunez, et al
  2022; 80 (9): 902-914

- **Identifying an Appropriate Endpoint for Cryoablation in Children with Atrioventricular Nodal Reentry Tachycardia: Is Residual Slow Pathway Conduction Associated with Recurrence?** *Heart rhythm*
  Zook, N., DeBruler, K., Ceresnak, S., Motonaga, K., Goodyer, W., Trela, A., Dubin, A., Chubb, H.
  2021

- **Atrial Flutter and Atrial Fibrillation in Young Patients with Normal Hearts** *Catheter Ablation of Cardiac Arrhythmias in Children and Patients with Congenital Heart Disease*
  Chubb, H., Dubin, A.
  Taylor & Francis.2021; 1

- **Impact of Cardiac Resynchronization Therapy on Heart Transplant-Free Survival in Pediatric and Congenital Heart Disease Patients.** *Circulation. Arrhythmia and electrophysiology*
  Chubb, H., Rosenthal, D. N., Almond, C. S., Ceresnak, S. R., Motonaga, K. S., Arunamata, A. A., Long, J., Trela, A. V., Hanisch, D., McElhinney, D. B., Dubin, A. M.
  2020

- **Development, Pre-Clinical Validation and Clinical Translation of a Cardiac Magnetic Resonance-Electrophysiology System with Active Catheter Tracking for Ablation of Cardiac Arrhythmia** *Journal of the American College of Cardiology: Clinical Electrophysiology*
  Chubb, H., Harrison, J. L., Weiss, S., Krueger, S., Koken, P., Bloch, L., Kim, W., Stenzel, G., Weisz, J. L., Gill, J., Schaeffter, T., O'Neill, M. D., Razavi, et al
  2017; 3 (2): 89-103

- **Tachyarrhythmias and catheter ablation in adult congenital heart disease.** *Expert review of cardiovascular therapy*
  Chubb, H., Williams, S. E., Wright, M., Rosenthal, E., O'Neill, M.
  2014; 12 (6): 751-770

- **The use of Z-scores in paediatric cardiology.** *Annals of pediatric cardiology*
  Chubb, H., Simpson, J. M.
  2012; 5 (2): 179-184

- **Long noncoding RNA associations with an IFI27-MCEMP1 transcript pattern in Kawasaki disease.** *Frontiers in immunology*
  Liu, F., Xue, X., Han, Z., Jin, B., Li, W., Ozawa, N., Ichikawa, T., Ling, E., Zhao, X., Chubb, H., Ceresnak, S. R., Darmstadt, G. L., McElhinney, et al
  2026; 17: 1882860

- **Long Noncoding RNA Associations Define an Interferon-Myeloid Immune Axis in Kawasaki Disease.** *medRxiv : the preprint server for health sciences*
  Liu, F., Xue, X., Han, Z., Jin, B., Li, W., Ozawa, N., Ichikawa, T., Ling, E., Zhao, X., Chubb, H., Ceresnak, S. R., Darmstadt, G. L., McElhinney, et al
  2026

- **Validation of a 2-Gene Blood Test for Kawasaki Disease in Febrile Children.** *JAMA network open*
  Kuo, H. C., Xue, X., Liu, F., Mortensen, R. D., Chou, C. J., Jin, B., Wei, J., Luo, Q., Weng, K. P., Guo, M. M., Yang, K. D., Su, K. J., Kang, et al
  2026; 9 (5): e2615420

- **AI learning for pediatric right ventricular assessment: development and validation across multiple centers.** *NPJ digital medicine*
  Reddy, C., Yan, Y., Qiu, M., Tang, Y., Jin, B., Han, Z., Li, Y., Zhou, S., Tang, Q., Xiao, H., Yang, S., Wen, Q., Wu, et al
  2025; 8 (1): 752

- **Predictors of Response to Cardiac Resynchronization Therapy in Pediatric Patients and Patients With Congenital Heart Disease.** *Circulation. Arrhythmia and electrophysiology*
  Chubb, H., Mah, D., Shah, M., Lin, K. Y., Peng, D., Hale, B. W., May, L., Etheridge, S., Goodyer, W., Ceresnak, S. R., Motonaga, K. S., Rosenthal, D. N., Almond, et al
  2025: e013600

- **Arrhythmias in Congenital Heart Disease: Single Ventricle.** *Cardiac electrophysiology clinics*
  Miyazaki, A., Chubb, H., Giacone, H. M.
  2025; 17 (4): 561-574

- **Authors Insights on the Updated International Society for Heart and Lung Transplantation Guidelines for the Management of Pediatric Heart Failure (Update From 2014).** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Miyamoto, S. D., Irving, C., Azeka, E., Adorisio, R., Blume, E. D., Bogle, C., Chubb, H., Conway, J., Cousino, M. K., Edelson, J., Ford, K., Holinski, P., Janousek, et al
  2025; 44 (10): 1529-1534

- **Early Post-Operative Versus Late Arrhythmias After Heart Transplant at a Pediatric Center: Incidence, Management, and Outcomes.** *Pediatric transplantation*
  Dammeyer, K. L., Motonaga, K. S., Chubb, H., Profita, E. L., Hollander, S. A.
  2025; 29 (5): e70094

- **The International Society for Heart and Lung Transplantation Guidelines for the Management of Pediatric Heart Failure (Update From 2014).** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Irving, C., Azeka, E., Adorisio, R., Blume, E. D., Bogle, C., Chubb, H., Conway, J., Cousino, M. K., Edelson, J., Ford, K., Holinski, P., Janousek, J., Lal, et al
  2025

- **Is regional atrial strain a useful surrogate of regional atrial fibrosis in atrial cardiomyopathy?** *European heart journal. Imaging methods and practice*
  Lee, A. W., Sillett, C., Solis-Lemus, J. A., Kessler Iglesias, C., Hopman, L. H., Hua, A., Wheen, P., Qayyum, A., Strocchi, M., Roney, C., Booth, T., Ismail, T. F., Chubb, et al
  2025; 3 (2): qyaf068

- **Cardiac resynchronization in congenital heart disease.** *Heart rhythm*
  Chubb, H., Giacone, H. M.
  2025; 22 (5): 1369-1371

- **Intravenous Immunoglobulin Alone for Coronary Artery Lesion Treatment of Kawasaki Disease: A Randomized Clinical Trial.** *JAMA network open*
  Kuo, H. C., Lin, M. C., Kao, C. C., Weng, K. P., Ding, Y., Han, Z., Chen, C. J., Jan, S. L., Chien, K. J., Ko, C. H., Lin, C. Y., Lei, W. T., Guo, et al
  2025; 8 (4): e253063

- **Extended Rhythm Monitoring to Assess for Ventricular Arrhythmias After Transcatheter Pulmonary Valve Replacement With the Harmony Valve.** *Circulation. Cardiovascular interventions*

Yang, J. K., Wattenbarger, L., Taylor, A. C., Chubb, H., Romfh, A. W., Peng, L. F., Ceresnak, S. R., Dubin, A. M., McElhinney, D. B.
2024: e014381

- **Creative concepts article: Potential applications of ultrasound-based leadless endocardial pacing in adult congenital heart disease.** *Heart rhythm*
  Wijesuriya, N., De Vere, F., Howell, S., Mannakkara, N., Bosco, P., Frigiola MDres, A., Balaji, S., Chubb, H., Niederer, S. A., Rinaldi, C. A.
  2024
- **Multisite Validation of a Functional Assay to AdjudicateSCN5ABrugada Syndrome-Associated Variants.** *Circulation. Genomic and precision medicine*
  Ma, J. G., O'Neill, M. J., Richardson, E., Thomson, K. L., Ingles, J., Muhammad, A., Solus, J. F., Davogustto, G., Anderson, K. C., Shoemaker, M. B., Stergachis, A. B., Floyd, B. J., Dunn, et al
  2024: e004569
- **Digital twinning of cardiac electrophysiology for congenital heart disease.** *Journal of the Royal Society, Interface*
  Salvador, M., Kong, F., Peirlinck, M., Parker, D. W., Chubb, H., Dubin, A. M., Marsden, A. L.
  2024; 21 (215): 20230729
- **Computational Modelling of CRT in Congenital Heart Disease: Fantasy or the Future?** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
  Chubb, H., Salvador, M., Marsden, A. L.
  2024
- **Multi-site validation of a functional assay to adjudicate SCN5A Brugada Syndrome-associated variants.** *medRxiv : the preprint server for health sciences*
  Ma, J. G., O'Neill, M. J., Richardson, E., Thomson, K. L., Ingles, J., Muhammad, A., Solus, J. F., Davogustto, G., Anderson, K. C., Benjamin Shoemaker, M., Stergachis, A. B., Floyd, B. J., Dunn, et al
  2023
- **Utility of smart watches for identifying arrhythmias in children.** *Communications medicine*
  Zahedivash, A., Chubb, H., Giacone, H., Boramanand, N. K., Dubin, A. M., Trela, A., Lencioni, E., Motonaga, K. S., Goodyer, W., Navarre, B., Ravi, V., Schmiedmayer, P., Bikia, et al
  2023; 3 (1): 167
- **Indications for Cardiac Resynchronization Therapy in Patients with Congenital Heart Disease.** *Cardiac electrophysiology clinics*
  Karpawich, P. P., Chubb, H.
  2023; 15 (4): 433-445
- **Digital twinning of cardiac electrophysiology for congenital heart disease.** *bioRxiv : the preprint server for biology*
  Salvador, M., Kong, F., Peirlinck, M., Parker, D. W., Chubb, H., Dubin, A. M., Marsden, A. L.
  2023
- **Correction: Exploring the feasibility of using long-term stored newborn dried blood spots to identify metabolic features for congenital heart disease screening.** *Biomarker research*
  Ceresnak, S. R., Zhang, Y., Ling, X. B., Su, K. J., Tang, Q., Jin, B., Schilling, J., Chou, C. J., Han, Z., Floyd, B. J., Whitin, J. C., Hwa, K. Y., Sylvester, et al
  2023; 11 (1): 101
- **Exploring the feasibility of using long-term stored newborn dried blood spots to identify metabolic features for congenital heart disease screening.** *Biomarker research*
  Ceresnak, S. R., Zhang, Y., Ling, X. B., Su, K. J., Tang, Q., Jin, B., Schilling, J., Chou, C. J., Han, Z., Floyd, B. J., Whitin, J. C., Hwa, K. Y., Sylvester, et al
  2023; 11 (1): 97
- **ECGs Do Not Detect Myocardial Ischemia in Patients with Williams Syndrome and Non-Syndromic Elastin Arteriopathy with Coronary Artery Stenosis.** *The American journal of cardiology*
  Algaze, C., Chubb, H., Deitch, A. M., Collins, R. T.
  2023
- **Novel Regional Analysis of Left Atrial Strain From Computed Tomography Separates Patients With Persistent versus Paroxysmal Atrial Fibrillation**

Sillett, C., Razeghi, O., Lee, A., Lemus, J., Roney, C., Ganesan, P., Feng, R., Chubb, H., Nieman, K., Rogers, A. J., Rajani, R.
LIPPINCOTT WILLIAMS & WILKINS.2023

- **Ventricular Preexcitation in Hypertrophic Cardiomyopathy: Dove or a Hawk?** *Circulation. Arrhythmia and electrophysiology*
  Chubb, H., Dubin, A. M.
  2023: e012543

- **Outcomes After Development of Ventricular Arrhythmias in Single Ventricular Heart Disease Patients With Fontan Palliation.** *Circulation. Arrhythmia and electrophysiology*
  Giacone, H. M., Chubb, H., Dubin, A. M., Motonaga, K. S., Ceresnak, S. R., Goodyer, W. R., Hanish, D., Trela, A. V., Boramanand, N., Lencioni, E., Boothroyd, D., Graber-Naidich, A., Wright, et al
  2023: e011143

- **Arrhythmias in Williams Syndrome.** *The American journal of cardiology*
  Deitch, A. M., Giacone, H. M., Chubb, H., Algaze, C. A., Lechich, K. M., Collins, R. T.
  2023; 195: 91-97

- **UTILITY OF THE APPLE WATCH (R) FOR IDENTIFYING ARRHYTHMIAS IN CHILDREN**
  Zahedivash, A., Chubb, H., Giacone, H., Boramanand, N., Dubin, A., Trela, A., Lencioni, E., Motonaga, K., Goodyer, W., Ceresnak, S. R.
  ELSEVIER SCIENCE INC.2023: 1563

- **Management of Heart Failure With Arrhythmia in Adults With Congenital Heart Disease: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
  Moore, J. P., Marelli, A., Burchill, L. J., Chubb, H., Roche, S. L., Cedars, A. M., Khairy, P., Zaidi, A. N., Janousek, J., Crossland, D. S., Pass, R. H., Jacobs, J. P., Menachem, et al
  2022; 80 (23): 2224-2238

- **Ventricular arrhythmias following transcatheter pulmonary valve replacement with the harmony TPV25 device.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
  Taylor, A., Yang, J., Dubin, A., Chubb, M. H., Motonaga, K., Goodyer, W., Giacone, H., Peng, L., Romfh, A., McElhinney, D., Ceresnak, S.
  2022

- **Single center blind testing of a US multi-center validated diagnostic algorithm for Kawasaki disease in Taiwan.** *Frontiers in immunology*
  Kuo, H. C., Hao, S., Jin, B., Chou, C. J., Han, Z., Chang, L. S., Huang, Y. H., Hwa, K., Whitin, J. C., Sylvester, K. G., Reddy, C. D., Chubb, H., Ceresnak, et al
  2022; 13: 1031387

- **Importance of Formula-Specific Centile Thresholds for Evaluation of Heart Rate-Corrected QT Prolongation in Williams Syndrome.** *The American journal of cardiology*
  Algaze, C. A., Deitch, A. M., Chubb, H., Aziz, P. F., Collins, R. T.
  2022

- **Risk Factors and Outcomes of Sudden Cardiac Arrest in Pediatric Heart Transplant Recipients.** *American heart journal*
  Hollander, S. A., Barkoff, L., Giacone, H., Adamson, G. T., Kaufman, B. D., Motonaga, K. S., Dubin, A. M., Chubb, H.
  2022

- **Ultra-Rapid Nanopore Whole Genome Genetic Diagnosis of Dilated Cardiomyopathy in an Adolescent With Cardiogenic Shock.** *Circulation. Genomic and precision medicine*
  Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Bernstein, J. A., Ceresnak, S., Chang, P., Christle, et al
  2022: CIRCGEN121003591

- **LA-Net: A Multi-Task Deep Network for the Segmentation of the Left Atrium** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
  Uslu, F., Varela, M., Boniface, G., Mahenthran, T., Chubb, H., Bharath, A. A.
  2022; 41 (2): 456-464

- **Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.** *The New England journal of medicine*
  Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Baid, G., Bernstein, J. A., Ceresnak, S., Chang, et al
  2022

- **Implantable Cardioverter Defibrillators in Infants and Toddlers: Indications, Placement, Programming, and Outcomes.** *Circulation. Arrhythmia and electrophysiology*
  Zahedivash, A., Hanisch, D., Dubin, A. M., Trela, A., Chubb, H., Motonaga, K., Goodyer, W., Maeda, K., Reinhartz, O., Ma, M., Martin, E., Ceresnak, S.
  2022: CIRCEP121010557

- **The Feasibility of a Mail-Out 12-Lead ECG in a Pediatric Cardiac Electrophysiology Telemedicine Environment**
  Chubb, H., Motonaga, K., Goodyer, W. R., Trela, A., Hanisch, D., Boramanand, N., Lencioni, E., Maurille, M., Dubin, A. M., Ceresnak, S. R.
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS IN INFANTS AND TODDLERS: INDICATIONS, PLACEMENT, PROGRAMMING AND OUTCOMES**
  Zahedivash, A., Hanisch, D., Dubin, A. M., Trela, A. V., Chubb, H., Motonaga, K., Goodyer, W., Maeda, K., Reinhartz, O., Ceresnak, S.
  ELSEVIER SCIENCE INC.2021: 470

- **Evaluation of Patient Positioning to Mitigate RF-induced Heating of Cardiac Implantable Electronic Devices for Pediatric MRI Exams.** *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference*
  Martinez, J. A., Cork, T. E., Chubb, H., Vasanawala, S., Ennis, D. B.
  2021; 2021: 5027-5030

- **Late Gadolinium Enhancement Cardiovascular Magnetic Resonance Assessment of Substrate for Ventricular Tachycardia With Hemodynamic Compromise.** *Frontiers in cardiovascular medicine*
  Whitaker, J., Neji, R., Kim, S., Connolly, A., Aubriot, T., Calvo, J. J., Karim, R., Roney, C. H., Murfin, B., Richardson, C., Morgan, S., Ismail, T. F., Harrison, et al
  2021; 8: 744779

- **Imaging for electrophysiological procedures** *The ESC Textbook of Cardiovascular Imaging (3 ed.)*
  O'Neil, L., Sim, I., Whitaker, J., Williams, S., Chubb, H., Maurovich-Horvat, P., O'Neill, M., Razavi, R.
  Oxford University Press.2021; 3

- **Left atrial ejection fraction estimation using SEGANet for fully automated segmentation of CINE MRI** *Lecture Notes in Computer Science*
  Lourenço, A., Kerfoot, E., Dibblin, C., Alskaf, E., Anjari, M., Bharath, A. A., King, A. P., Chubb, H., Correia, T. M., Varela, M.
  2021; 12592

- **Impact of Image Resolution and Resampling on Motion Tracking of the Left Chambers from Cardiac Scans** *Functional Imaging and Modeling of the Heart. FIMH 2021*
  Razeghi, O., Strocchi, M., Corrado, C., Chubb, H., Rajani, R., Ennis, D. B., Niederer, S. A.
  2021; 12738

- **Clinical outcomes and programming strategies of implantable cardioverter-defibrillator devices in paediatric hypertrophic cardiomyopathy: a UK National Cohort Study.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
  Norrish, G., Chubb, H., Field, E., McLeod, K., Ilina, M., Spentzou, G., Till, J., Daubeney, P. E., Stuart, A. G., Matthews, J., Hares, D., Brown, E., Linter, et al
  2020

- **Single-cell RNA Sequencing Coupled With Optical Imaging for Targeted Real-time Visualization of the Cardiac Conduction System**
  Goodyer, W. R., Beyersdorf, B., Van den Berg, N., Puluca, N., Buikema, J., Lee, S., Salmi, D., Robinson, E., Rogalla, S., Chubb, H., Motonaga, K., Ceresnak, S. R., Dubin, et al
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Use of Chimeric Antigen Receptor Modified T Cells With Extensive Leukemic Myocardial Involvement** *JACC: CARDIOONCOLOGY*
  Han, B., Montiel-Esparza, R., Chubb, H., Kache, S., Schultz, L. M., Davis, K. L., Ramakrishna, S., Su, L.
  2020; 2 (4): 666–70

- **Use of Chimeric Antigen Receptor Modified T Cells With Extensive Leukemic Myocardial Involvement.** *JACC. CardioOncology*
  Han, B., Montiel-Esparza, R., Chubb, H., Kache, S., Schultz, L. M., Davis, K. L., Ramakrishna, S., Su, L.
  2020; 2 (4): 666-670

- **Identifying locations of re-entrant drivers from patient-specific distribution of fibrosis in the left atrium.** *PLoS computational biology*

Roy, A., Varela, M., Chubb, H., MacLeod, R., Hancox, J. C., Schaeffter, T., Aslanidi, O.
2020; 16 (9): e1008086

- **A low threshold for neonatal intervention yields a high rate of biventricular outcomes in pulmonary atresia with intact ventricular septum** *CARDIOLOGY IN THE YOUNG*
  Morgan, G. J., Narayan, S. A., Goreczny, S., Chubb, H., Krasemann, T., Rosenthal, E., Qureshi, S. A.
  2020; 30 (5): 649-655

- **Pectoral Nerve Blocks Decrease Postoperative Pain and Opioid Use After Pacemaker or Implantable Cardioverter-Defibrillator Placement in Children.** *Heart rhythm*
  Yang, J. K., Char, D. S., Motonaga, K. S., Navaratnam, M., Dubin, A. M., Trela, A., Hanisch, D. G., McFadyen, G., Chubb, H., Goodyer, W., Ceresnak, S. R.
  2020

- **Early Postnatal Echocardiography in Neonates with a Prenatal Suspicion of Coarctation of the Aorta** *PEDIATRIC CARDIOLOGY*
  Vigneswaran, T. V., Bellsham-Revell, H. R., Chubb, H., Simpson, J. M.
  2020; 41 (4): 772-780

- **High-throughput quantitation of serological ceramides/dihydroceramides by LC/MS/MS: Pregnancy baseline biomarkers and potential metabolic messengers.** *Journal of pharmaceutical and biomedical analysis*
  Huang, Q. n., Hao, S. n., Yao, X. n., You, J. n., Li, X. n., Lai, D. n., Han, C. n., Schilling, J. n., Hwa, K. Y., Thyparambil, S. n., Whitin, J. n., Cohen, H. J., Chubb, et al
  2020; 192: 113639

- **Modelling Left Atrial Flow and Blood Coagulation for Risk of Thrombus Formation in Atrial Fibrillation**
  Qureshi, A., Darwish, O., Dillon-Murphy, D., Chubb, H., Williams, S., Nechipurenko, D., Ataullakhanov, F., Nordsletten, D., Aslanidi, O., de Vecchi, A., IEEE
  IEEE.2020

- **Investigating Strain as a Biomarker for Atrial Fibrosis Quantified by Patient Cine MRI Data**
  Qureshi, A., Roy, A., Chubb, H., de Vecchi, A., Aslanidi, O., IEEE
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