

CURRICULUM VITAE

March 2020

PERSONAL INFORMATION

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Home Address: 43 Repulse Bay Road,
9A Twin Brook, Hong Kong
+852 2812-0620

Date of Birth: July 2, 1969

Place of Birth: Boston, Massachusetts

Education: M.B.B.S. July 1993 United Medical and Dental Schools, Guy's and St. Thomas' Hospitals, London, UK

Graduate Medical Education:

8/1993-1/1994 Internship, Pre-Registration House Officer in General Medicine, Rheumatology, Elderly Care and Cardiology
Battle Hospital, Reading, UK

2/1994-7/1994 Internship, Pre-Registration House Officer in General Surgery and Orthopedics
Lewisham Hospital and Guy's Hospital, London, UK

8/1994-7/1995 Residency, Pediatric Senior House Officer Rotation
The Children's Hospital, Lewisham, UK

9/1995-1/1997 Residency, Pediatric Senior House Officer Rotation
Guy's Hospital, London, UK

2/1997-7/1997 Residency, Senior House Officer in Pediatric Cardiology and Pediatric Intensive Care Unit
Southampton General Hospital, Southampton, UK

9/1997-2/1998 Resident in Pediatric Intensive Care Unit
Guy's Hospital, London, UK

7/2002-6/2004 Pediatric Residency
 Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

Postdoctoral Training:

1998-1999 Trust Fellow in Pediatric Cardiology
 Southampton General Hospital, Southampton, UK

1999-2002 Pediatric Cardiology Fellowship
 Children's Hospital of Pittsburgh
 Pittsburgh, PA, USA

2004-2005 4th Year Electrophysiology Fellowship
 Children's Memorial Hospital
 Chicago, IL, USA

1/2005-3/2005 Electrophysiology Fellowship
 Northwestern Memorial Hospital
 Chicago, IL, USA

Board Certification and Medical Licensure:

7/1994 - present General Medical Council of Great Britain

2/1997 – present Membership of Royal College of Physicians of United Kingdom

5/1999 – present Membership of Royal College of Paediatrics and Child Health (MRCPCH)

3/1999 USMLE License # 0-490-786-1

10/2006-2016 American Board of Pediatrics #87848, recertification 11/22/2016

11/2008-2018 American Board of Pediatrics, Sub Board
 Pediatric Cardiology #2188

9/2010-2020 Certified Cardiac Device Specialist (CCDS)

1/2012 - present Fellow of American College of Cardiology (FACC)

11/2015-2025 International Board of Heart Rhythm Examiners (IBHRE),
 Pediatric Electrophysiology Boards

11/2019- Adult Congenital Heart Disease Boards

1/2020- Specialist Registration in Paediatrics, Hong Kong

Honors and Awards:

1988 Mathematics, Chemistry and Music Prizes
 Malvern Girls' College, Great Malvern, UK

1990-1993 Li Shu Fan Medical Foundation Scholarship
 For the clinical years at Guy's Hospital Medical School, London, UK

- 9/2000 Fellow's Prize, 24th Annual Midwest Pediatric Cardiology Meeting, Omaha, NE
- 2/2002 Silver Prize, 9th Annual American Heart Association Fellow's Research Day, Pittsburgh, PA

Faculty Appointments:

- 3/2019 – present Associate Professor of Paediatrics
Li Ka Shing Faculty of Medicine, The Hong Kong University
Hong Kong
- 8/2005 – 2/2019 Assistant Professor of Pediatrics
Feinberg School of Medicine, Northwestern University
Chicago, IL, USA

Hospital Staff Appointments:

- 03/2019 – present Honorary Clinician
Queen Mary Hospital
Hong Kong
- 08/2005 – 2/2019 Attending Physician
Children's Memorial Hospital/ Lurie Children's Hospital
Chicago, IL, USA

Administrative Appointments:

- 11/2006-12/2009 Associate Director, Pediatric Cardiology Fellowship Program
Children's Memorial Hospital
Chicago, IL, USA
- 4/2007-6/2012 Director of Electrophysiology Services
Children's Memorial Hospital
Chicago, IL, USA
- 6/2012 – 3/2019 Director of Electrophysiology Services
Ann & Robert H. Lurie Children's Hospital
Chicago, IL, USA

Professional and scientific activity:

- 2000-present Midwest Pediatric Cardiology Society
- 2005-present Heart Rhythm Society
- 2006-present Pediatric and Congenital Electrophysiology Society (PACES)
- 2006-present American Heart Association
- 2009-present American College of Cardiology

Scholarly Productivity**Book Chapters:**

1. Tsao SS, Deal BJ: Cardioversion and Defibrillation. In Lange Current Procedures: Pediatrics, (Goodman DM, Green TP, Unti SM, Powell EC). McGraw-Hill Medical, pp. 31-37, 2007.
2. Tsao SSL, Ward KM, Goodman DM: Ventricular Assist Device and Temporary Pacemakers in the PICU in Pediatric critical care study guide, text and review chapter: Mechanical and Electrical Myocardial Support. Springer-Verlag. Pp 308-321, 2012
3. Tsao S. Asymptomatic Wolff-Parkinson-White Preexcitation Syndrome in Children. *The Child's Doctor*, Vol 31(1), Pp 2-11, 2012
4. Tsao S, Deal BJ. Management of symptomatic Wolff-Parkinson-White syndrome in childhood. *Progress in Pediatric Cardiology*, Vol 35(1), Pp 7-15, 2013.
5. Tsao S, Deal BJ. Atrial and ventricular ectopies. *Visual Guide to Neonatal Cardiology*. February 2018. DOI: 10.1002/9781118635520.ch62

Abstract Presentations:

1. Tsao S. The Management of Respiratory Distress Syndrome (RDS) in the Neonate, with case illustration. Children's Hospital, San Francisco, CA, USA – Medical Student Elective Project, 3/1992
2. Tsao S. A retrospective study on Thyroid Stimulating Immunoglobulin (TSI) levels and its prognostic value to Graves' Ophthalmopathy. Final Year Medical School Project, UMDS, Guy's and St. Thomas' Hospitals, London, UK, 6/1993
3. Tsao SS. Case study of a thirteen year old girl with an acquired sensory demyelinating polyradiculoneuropathy following BCG vaccination. Paediatric Neurology Meeting, Guy's Hospital, London, UK, 1/1997
4. Tsao SS, Etedgui J. Sudden death in patients with hypoplastic left heart syndrome post stage 1 Norwood operation - awarded the Fellow's Prize in the 24th Annual Midwest Pediatric Cardiology Meeting, 9/2000
5. Tsao SS, Miller SA, Boyle G, Law YM, Webber SA. Post-transplant elevation of panel reactive antibody: A marker for unrecognized humoral sensitization and adverse rejection history? – poster presentation at American Heart Association Scientific Sessions 2000, New Orleans, LA, 11/2000
6. Tsao SS, Miller SA, Boyle G, Law YM, Webber SA. Pre-transplant ELISA analysis for anti-HLA antibodies may identify a group of pediatric patients at high risk for adverse rejection history. Silver Prize at 9th Annual American Heart Association Fellow's Research Day, Pittsburgh, PA, 2/2002
7. Tsao SS, Miller SA, Boyle G, Law YM, Webber SA. Pre-transplant ELISA analysis for anti-HLA antibodies may identify a group of pediatric patients at high risk for adverse rejection history. Oral presentation at the 22nd annual International Society for Heart and Lung Transplantation (ISHLT) meeting, Washington, DC, 4/2002
8. Chakrabarti S, Tsao S, Vettukattil JJ, Gnanapragasam JP Isolated Pulmonary Vein Stenosis Mimicking Chronic Lung Disease, Southampton Paediatric Cardiology Society, Southampton, UK, 2003
9. Tsao SS, Deal BJ, Stewart RD, Backer CL, Franklin WH, Mavroudis C. Evolving Pacemaker and Antitachycardic Device Management of Arrhythmias Following Fontan Conversion –

- poster presentation in 4th World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina, 9/2005
10. Tsao SS, Deal BJ, Stewart RD, Backer CL, Franklin WH, Mavroudis C. Evolving Pacemaker and Antitachycardic Device Management of Arrhythmias Following Fontan Conversion. Oral presentation in the 29th Annual Midwest Pediatric Cardiology Society meeting Oct 2005
 11. Kelle AM, Backer CL, Tsao S, Stewart RD. Dual-chamber epicardial pacing in neonates with congenital heart block. Oral presentation in the 30th Midwest Pediatric Cardiology Society, Columbus, OH, 9/2006
 12. Kelle AM, Backer CL, Stewart RD, Mavroudis C, Deal BJ, Pophal SG, Franklin W, Tsao S, Pahl P. Heart transplantation for the failing Fontan. The 1st World Transplant Congress, Boston, MA., 7/2006
 13. MacIver RH, Stewart RD, Tsao S, Backer CL, Deal BJ, Franklin WH, Ward KM, Mavroudis C. Implantable Cardiac Defibrillators in the Pediatric Population – poster presentation at joint meeting of the Society of University Surgeons and the Association of Academic Surgeons, San Diego, CA, 2/2007
 14. MacIver RH, Stewart RD, Backer CL, Tsao S, Harrington D, Mavroudis C. Ablation of the Atrioventricular Node in a Rabbit Model – poster presentation at joint meeting of the Society of University Surgeons and the Association of Academic Surgeons, San Diego, CA, 2/2007
 15. Mavroudis C, Backer CL, Kelle AM, Stewart RD, Tsao S, Franklin WH, Deal BJ. Pediatrics Pacemakers: Results of a collaborative electrophysiology-surgery program review. Presented at the 1st World Society for Pediatric and Congenital Heart Surgery, Washington, DC, 5/2007
 16. Tsao S, Deal BJ, Ward K, Franklin WH. Anticoagulation does not prevent atrial thrombosis in Fontan patients with transvenous atrial leads. 17th Annual American Heart Association Scientific Sessions, Chicago, IL, 11/2010
 17. Tsao S, Webster G, Ward K, Franklin W, Deal B. Exercise tolerance and VO₂ are improved in patients undergoing Fontan conversion with arrhythmia surgery. 35th Midwest Pediatric Cardiology Society, Omaha, MN, 9/2011
 18. Tsao, S, Webster G, Patwari PP, Deal BJ, Weese-Mayer DE. Pacemaker utilization in cohort of 85 children with congenital central hypoventilation syndrome (CCHS) may impact the risk of sudden death. 35th Midwest Pediatric Cardiology Society, Omaha, MN, 9/2011.
 19. Tsao, S, Webster G, Patwari PP, Deal BJ, Weese-Mayer DE. Pacemaker utilization in cohort of 85 children with congenital central hypoventilation syndrome (CCHS) may impact the risk of sudden death. 18th Annual American Heart Association Scientific Sessions, Orlando, FL, 11/2011
 20. Chaouki AS, Webster G, Tsao S. Treatment with beta-blockers is associated with shortening of the QTc interval. 19th Annual American Heart Association Scientific Sessions, Los Angeles, CA, 11/2012
 21. Balaji S, Bradley D, Etheridge SP, Law IH, Singh AK, Gajewski KK, Singh HR, Batra AS, Tsao S, Tisma-Dupanovic S, Tateno S, Takamuro M, Nakajima H, Sanatani S, Roos-Hesselink JW, Shah M. Arrhythmias after the Fontan operation; which is superior: intracardiac lateral tunnel or extracardiac conduit? An international multicenter study of 1271 patients. 19th Annual American Heart Association Scientific Sessions, Los Angeles, CA, 11/2012

22. Tsao S, Chaouki S, Ward K, Deal BJ, Webster G. Decreasing Radiation Exposure in a Pediatric Interventional Electrophysiology Laboratory. PICS-CSI Asia meeting, Dubai, UAE, 3/2016

Publications

1. Chakrabarti S, Tsao S, Vettukattil JJ, Gnanapragasam JP Isolated Pulmonary Vein Stenosis Mimicking Chronic Lung Disease –Internet Journal of Pediatrics and Neonatology 2004;4(1)
2. Tsao S. Syncope. The Child's Doctor, Journal of Children's Memorial Hosp 2006; 23(2):14-18.
3. Mavroudis C, Backer CL, Deal BJ, Stewart RD, Franklin WH, Tsao S, Ward K Evolving anatomic and electrophysiologic considerations associated with Fontan conversion.. Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu 2007;10:136-145.
4. Kelle, A, Backer, C, Tsao, S, Stewart, S, Franklin, W, Deal, B, Mavroudis, C. Dual-Chamber Epicardial Pacing in Neonates with Congenital Heart Block. JTCVS 2007;134:1188-92.
5. Rossi J, Tsao, S, Burton, B. Grand Rounds: Metabolic Cardiomyopathy and Mitochondrial Disorders in the Pediatric Intensive Care Unit. J Pediatr 2007;151(5):538-41
6. Mavroudis, C, Deal, B, Backer, C, Stewart, R, Franklin, W, Tsao, S, Ward, K, deFreitas, A – 111 Fontan Conversion with Arrhythmia Surgery: Surgical Lessons and Outcomes. Ann Thorac Surg 2007;84(5):1457-65
7. Mavroudis, C, Deal, BJ, Backer, CL, Tsao S. Arrhythmia surgery in patients with and without congenital heart disease. Ann Thorac Surg 2008; 86:857-868
8. Backer CL, Tsao S, Deal BJ, Mavroudis C. Maze procedure in single ventricle patients. Pediatr Cardiac Surg Ann 2008;44-8
9. Tsao S, Deal BJ, Backer CL, Ward K, Franklin WH, Mavroudis C. Device management of arrhythmias after Fontan Conversion. JTCVS 2009;138(4):937-940
10. Maciver RH, Stewart RD, Backer CL, Tsao S, Harrington DA, Mavroudis C. An improved in vivo method for atrioventricular node ablation via thoracotomy. Braz J Med Biol Res 2010;43(2):206-10
11. Extracardiac versus intra-atrial lateral tunnel Fontan: Extracardiac is better. Backer CL, Deal BJ, Kaushal S, Russell HM, Tsao S, Mavroudis C. Ped Card Surg Ann 2011;14:4-10
12. Tsao S, Webster G, Ward K, Franklin W, Deal B. Exercise tolerance and VO₂ are improved in patients undergoing Fontan conversion with arrhythmia surgery. Circulation 2011;124:A16773
13. Tsao, S, Webster G, Patwari PP, Deal BJ, Weese-Mayer DE. Pacemaker utilization in cohort of 85 children with congenital central hypoventilation syndrome (CCHS) may impact the risk of sudden death. Circulation 2011;124:A17138
14. Van Geldorp IE, Delhass T, Gebauer RA, Frias P, Tomaske M, Friedberg MK, Tisma-Dupanovic S, Elders J, Fruh A, Gabbarini F, Kubus P, Illikova V, Tsao S, Blank AC, Hiippala A, Sluysmans T, Karpawich P, Clur SA, Ganame X, Collins KK, Dann G, Thambo JB, Trigo C, Nagel B, Papagiannis J, Rackowitz A, Marek J, Nurnberg JH, Vanagt WY, Prinzen FW,

- Janousek J. Impact of the permanent ventricular pacing site on left ventricular function in children: a multicenter survey. *Heart* 2011;97:2051-2055
15. Boe B, Webster G, Asher Y, Tsao S, Suresh S, Steinhorn DM. Percutaneous, ultrasound-guided stellate ganglion nerve block suppresses recurrent ventricular fibrillation in an infant awaiting heart transplant. *Circ Arrhythm Electrophysiol* 2012;5(5):e93-e94
 16. Tsao S. Asymptomatic Wolff-Parkinson-White preexcitation syndrome in children – The Child’s Doctor, *Journal of Lurie Children’s Hospital of Chicago*, Nov 2012
 17. Tsao S, Deal BJ. Management of symptomatic Wolff-Parkinson-White syndrome in childhood. <http://dx.doi.org/10.1016/j.ppedcard.2012.11.002>
 18. Janousek J, van Geldorp IE, Krupickova S, Rosenthal E, Nugent K, Tomaske M, Fruh A, Elders J, Hiippala A, Kerst G, Gebauer RA, Kubus P, Frias P, Gabbarini F, Clur SA, Nagel B, Ganame J, Papagiannis J, Marek J, Tisma-Dupanovic S, Tsao S, Nurnberg JH, Wren C, Friedberg M, de Guillebon M, Volaufova J, Prinzen FW, Delhaas T. Permanent Cardiac Pacing in Children – Choosing the Optimal Pacing Site: A Multi-Center Study. *Circulation* 2013;127(5):613-23
 19. Seslar SP, Kugler J, Batra AS, Collins KK, Crosson J, Dubin AM, Etheridge S, Kanter R, Papez A, Radbill AE, Serwer GA, TAnel RE, Tsao S, Webster G, Saarel EV. The Multicenter Pediatric and Adult Congenital EP Quality (MAP-IT) Initiative-Rationale and Design: Report from the Pediatric and Congenital Electrophysiology Society’s MAP-IT Taskforce. *Congenital Heart Dis* 2013;8(5):381-92
 20. Balaji S, Daga A, Bradley DJ, Etheridge SP, Law IH, Batra AS, Sanatani S, Singh AK, Gajewski KK, Tsao S, Singh HR, Tisma-Dupanovic S, Tateno S, Takamuro M, Nakajima H, Ross-Hesselink JW, Shah M. An international multicenter study comparing arrhythmia prevalence between the intracardiac lateral tunnel and the extracardiac conduit type of Fontan operations. *JTCVS* 2014;148(2):576-581
 21. Mavroudis C, Stulak JM, Ad N, Siegel A, Giamberti A, Harris L, Backer CL, Tsao S, Dearani JA, Weerasena N, Deal BJ. Prophylactic atrial arrhythmia surgical procedures with congenital heart operations: Review and Recommendations. *Annals of Thoracic Surgery*. 2015;99(1):352-359.
 22. Freud LR, Webster G, Costello JM, Tsao S, Rychlik K, Backer CL, Deal BJ. Growth and obesity among older single ventricle patients presenting for Fontan conversion. *World Journal for Pediatric and Congenital Heart Surgery*. 2015;6(4):514-29.
 23. Deal BJ, Costello JM, Webster G, Tsao S, Backer CL, Mavroudis C. Intermediate-term Outcome of 140 Consecutive Fontan Conversions with Arrhythmia Operations. *Annals of Thoracic Surgery*. 2016;101(2):717-724.
 24. Webster G, Ward, K, Deal BJ, Anderson JB, Tsao S. Adaptation of Radiology Software to Improve Cardiology Results Reporting. *Appl Clin Inform* 2017;8:936-944
 25. Saarel EV, Granfer, Kaltman JR, Minich LL, Tristani-Firouzi M, Kim JJ, Ash K, Tsao SS, Berul CI, Stephenson EA, Gamboa DG, Trachtenberg F, Fischbach P, Vetter VL, Czosek RJ, Johnson TR, Salerno JC, Cain BN, Pass RH, Zeltser I, Silver ES, Kovach JR, Alexander ME. Electrocardiograms in Healthy North American Children in the Digital Age. *Circ Arrhythm Electrophysiol*. 2018;11(7):e005808. Doi: 10.1161/CIRCEP.117.005808

26. Dubin AM, Jorgensen NW, Rabdill AE, Bradley DJ, Silva JN, Tsao S, Kanter RJ, Tanel RE, Trivedi B, Young ML, Pflaumer A, McCormack J, Seslar SP. What have we learned in the last 20 years? A comparison of a modern era pediatric and congenital catheter ablation registry to previous pediatric ablation registries. *Heart Rhythm* 2019;16:57. Doi: 10.1016/hrthm.2018.08.013
27. Tsao S. What is the optimal remote monitoring schedule in pediatric patients with cardiovascular implantable electronic devices? *PACE* Apr 2019. Doi: 10.1111/pace.13706
28. Kwok SY, Yung T-C, Ho N-L, Hai J-J, Tsao S, Tse H-F. Missing pouches in high-density mapping of atrial tachyarrhythmia in congenital heart diseases. *Journal of Arrhythmia* Sep 2019. Doi: 10.1002/joa3.12251
29. Khaznadar R, Chandler SF, Chaouki AS, Tsao S, Webster G. Non-invasive risk stratification in pediatric ventricular pre-excitation. *Pediatric Cardiology* Jan 2020. Doi: 10.1007/s00246-020-02285-3

Invited Lectures:

1. Psychotropic Medications. Pediatric Pearls XI CME Series, Chicago, IL, April 2006.
2. ECGs and Arrhythmias. Pediatric Pearls XI CME Series, Chicago, IL, April 2006
3. Psychotropic Medications and the Heart – Pediatric Grand Rounds, Children’s Memorial Hospital, Chicago, IL, July 2006.
4. How to Identify Risk Factors for Sudden Death in Children. CardioRhythm 2007, Hong Kong, China, February 2007
5. When is Epicardial Pacing the Best Approach? CardioRhythm 2009, Hong Kong, China, February 2009
6. ICD & CRT in Paediatric Population. CardioRhythm 2009, Hong Kong, China, February 2009
7. Management strategies for adults with different congenital heart disease substrates. CardioRhythm 2011, Hong Kong, China, February 2011.
8. Risk factors for Fontan arrhythmias, interventional strategies and limitations. European Association of Cardio-Thoracic Surgery, Barcelona, Spain, September 2012
9. Is there a rationale for right sided MAZE in Ebstein’s anomaly or tetralogy of Fallot? European Association of Cardio-Thoracic Surgery, Barcelona, Spain, September 2012
10. Surgical maze for congenital heart disease. European Association of Cardio-Thoracic Surgery, Barcelona, Spain, September 2012
11. Prophylactic “pathway” ablation during surgery for complex heart disease 6th World Congress of Pediatric Cardiology and Cardiac Surgery, Cape Town, South Africa, February 2013
12. Pacing: peri-operative rhythm considerations. Seminar on Prophylactic Arrhythmia, Florida, May 2013

13. Arrhythmias in the Failing Paediatric Heart – How to intervene when transplantation is around the corner. 6th Asia Pacific Heart Rhythm Society CardioRhythm 2013, Hong Kong, China, October 2013
14. Atypical device configurations in congenital heart disease: epicardial and endocardial systems. 6th Asia Pacific Heart Rhythm Society CardioRhythm 2013, Hong Kong, China, October 2013
15. Surgical and device management of post-operative arrhythmia in congenital heart disease. Invited lecture at Queen Mary Hospital, University of Hong Kong, Hong Kong, China, October 2013
16. Catheter ablation for AVNRT in complex heart anomalies. CardioRhythm 2015, Hong Kong, China, February 2015
17. Atrial fibrillation in patients with congenital heart disease. CardioRhythm 2015, Hong Kong, China, February 2015
18. Catheter ablation of atrial arrhythmias in repaired congenital heart disease. CardioRhythm 2017, Hong Kong, China, February 2017
19. Cardiac sinus pauses in congenital central hypoventilation syndrome. 2018 International CCHS Research and Family Conference, St. Louis, MO, June 2018
20. Prevalence and management of SVT: intracardiac vs extracardiac Fontan. PediRhythm VIII, Munich, Germany, October 2018
21. A patient with old-style Fontan and atrial arrhythmias should undergo ablation? Debate-Con. PediRhythm VIII, Munich, Germany, October 2018
22. Pay it forward: clean up your mess Pediatric/ACHD and Clinical EP, Heart Rhythm Society Scientific Sessions, San Francisco, May 2019
23. Practice variation and adaptation between US and Hong Kong. The 12th Asia Pacific Heart Rhythm Society Scientific Sessions, Bangkok, Thailand, October 2019
24. Hot debate: ICD in pediatric dilated cardiomyopathy as primary prevention: adult guidelines is helpful. Con. The 12th Asia Pacific Heart Rhythm Society Scientific Session, Bangkok, Thailand, October 2019
25. Paediatric Grand Round: SVT and Asymptomatic WPW Jan 2020. Queen Mary Hospital, University of Hong Kong

International invited professorship for arrhythmia surgery collaboration

- April 2011 Visiting Professor. Deutsches Herzzentrum Munchem (German Heart Center, Munich, Germany) to review and actively participate in the Fontan conversion, arrhythmia surgery, epicardial pacemaker placement for 2 adult congenital heart disease patients
- October 2011 Visiting Professor. Deutsches Herzzentrum Munchem (German Heart Center, Munich, Germany) to assist in arrhythmia surgery in 3 adult congenital heart disease patients with cryothermal ablation technique.

October 2013 Guest Professor. Queen Mary Hospital, University of Hong Kong, Hong Kong, China. Assist in arrhythmia surgery in an adult patient with tetralogy of Fallot and ventricular tachycardia undergoing pulmonary valve replacement with arrhythmia surgery.

Journal Reviewer

Journal of American College of Cardiology (SJR 9.28, H index 394)
 Europace (SJR 2.612, H index 92)
 American Journal of Cardiology (SJR 1.734, H index 206)
 Journal of Cardiovascular Electrophysiology (SJR 1.691, H index 129)
 Pediatric Cardiology (SJR 0.764, H index 65)
 Pacing and Clinical Electrophysiology (SJR 0.681, H index 96)
 Cardiology in the Young (SJR 0.474, H index 48)
 World Journal for Pediatric and Congenital Heart Surgery (SJR 0.395, H index 17)
 Hong Kong Journal of Paediatrics

Associate Editor

Journal of Cardiovascular Electrophysiology Dec 2019-present

Ongoing projects

1. Fetal diagnosis of KCNQ1-variant long QT syndrome using fetal echocardiography and magnetocardiography – submitted to Pacing and Clinical Electrophysiology, Sept 2019
2. Dual Chamber vs Single Chamber Ventricular Pacing in Isolated Congenital Complete Heart Block in Infancy (DAVINCHI study) – a multi-institutional study – in the process of data collection
3. Unexplained Ventricular Fibrillation in the Young – multi-institutional study – in the process of obtaining HKU IRB
4. Persistence of palpitations after slow pathway modification for AVNRT in children – submitted to Journal of American Heart Association, Nov 2019
5. Fontan conversion/ Arrhythmia surgery long-term database –set up in Queen Mary Hospital, University of Hong Kong

Advocacy:

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| 2010 | Women in Electrophysiology Meeting. Miami, FL |
| 2010-2014 | Pediatric and Congenital Electrophysiology Society (PACES) Guideline Review Committee, Interventional Electrophysiology |
| 2011-2014 | Pediatric and Congenital Electrophysiology Society (PACES) MAP-IT KDED Committee, Standardization of Electrophysiology Studies |
| 2013-2018 | Chicagoland Cardiac Connections (CCC) Advocacy, Annual Support Group Children and young adults with pacemakers and defibrillators |
| 2017-2019 | Pediatric and Congenital Electrophysiology Society (PACES) QA/QI Committee |

Continuing Medical Education

1. Heart Rhythm Society Scientific Sessions 2019 – San Francisco, May 2019
2. 27th ASC Scientific Program 2019 – Hong Kong, June 2019
3. Asia Pacific Heart Rhythm Society – Bangkok, Oct 2019
4. ACLS – recertified Oct 2019
5. PALS – recertified Nov 2019
6. Abbott Rhythmia Course 2019 – Singapore, Nov 2019