

PHILIP MINDER CHANG, MD, FHRS, FACC

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ACADEMIC APPOINTMENTS

Associate Professor of Pediatrics and Internal Medicine
University of Florida (UF) College of Medicine, August 2017 – present

Assistant Professor of Clinical Medicine, Department of Medicine
University of Southern California (USC) Keck School of Medicine, August 2010 – July 2017

Assistant Professor of Pediatrics, Department of Pediatrics
USC Keck School of Medicine, July 2016 – July 2017

HOSPITAL APPOINTMENTS

Attending Staff, Congenital Heart Center
UF Health Shands Hospital and Shands Children's Hospital, August 2017 – present

Attending Staff, Cardiovascular Medicine
Keck Medical Center of USC, August 2010 – July 2017

Attending Staff, Cardiovascular Medicine
Los Angeles County (LAC) + USC Medical Center, August 2010 – July 2017

Attending Staff, Pediatric Cardiology
Children's Hospital Los Angeles (CHLA), August 2010 – July 2017

EDUCATION & TRAINING

The Children's Hospital of Philadelphia (CHOP)
Advanced Subspecialty Fellowship Program – Pediatric Electrophysiology
Philadelphia, Pennsylvania
Clinical Fellow, July 2009 – June 2010

CHLA Pediatric Cardiology Fellowship Program
Los Angeles, California
Clinical Fellow, July 2006 – June 2009

CHLA Pediatric Residency Program
Los Angeles, California
Internship, June 2003 – June 2004
Residency, July 2004 – June 2006

University of Maryland (UMD), Baltimore School of Medicine
Baltimore, Maryland
Doctor of Medicine
July 1999 – June 2003

University of Chicago
Chicago, Illinois
Bachelor of Arts – Biological Sciences
September 1995 – June 1999

LICENSURE	NPI 1780821827 Florida State Medical License ME132727 (exp. 1/31/2021) Drug Enforcement Agency License BC9167758 (exp. 8/31/2022)
BOARD CERTIFICATIONS	Adult Congenital Heart Disease (American Board of Internal Medicine, sub-board), October 2015 International Board of Heart Rhythm Examiners (IBHRE) Certified EP Specialist, December 2014 Pediatric Cardiology (American Board of Pediatrics, sub-board), November 2010 American Board of Pediatrics, October 2006 USMLE Step I June 2001; Step II March 2003; Step III October 2003
CLINICAL CERTIFICATIONS	Basic Life Support Pediatric Advanced Life Support Advanced Cardiovascular Life Support
PROFESSIONAL ORGANIZATIONS	Fellow, American College of Cardiology Fellow, Heart Rhythm Society Member, Pediatric and Congenital Electrophysiology Society Member, Adult Congenital Heart Association
HONORS & AWARDS	Associate Groups Residents Award, <i>CHLA, Los Angeles, 2006</i> Alpha Omega Alpha (AOA) Honor Society, <i>UMD, Baltimore, 2002</i> Elijah Adams Prize in Biochemistry, <i>UMD, Baltimore, 2001</i> Sheldon E. Greisman Prize in Physiology, <i>UMD, Baltimore, 2000</i> Phi Beta Kappa Honor Society, <i>University of Chicago, 1999</i>
TEACHING & CLINICAL ACTIVITIES	Director, Pediatric and Congenital Heart Electrophysiology Program <i>UF Health Shands Congenital Heart Center, August 2017 – present</i> <ul style="list-style-type: none"> ▪ Coordinate and oversee outpatient and inpatient clinical electrophysiology services for all pediatric and congenital heart disease patients at UF Health Shands Hospital and Shands Children’s Hospital ▪ Coordinate and perform all invasive interventional pediatric and adult congenital heart electrophysiology procedures for patients at UF Health Shands Hospital and Shands Children’s Hospital ▪ Coordinate and oversee formal teaching conferences on electrophysiology topics and ECG reading for pediatric cardiology fellows, housestaff, and medical students. Medical Director, Adult Congenital Heart Disease Care Program <i>USC, August 2010 – July 2017</i> <ul style="list-style-type: none"> ▪ Coordinated and oversaw outpatient and inpatient clinical services for adult congenital heart disease patients at Keck and LAC+USC Medical Center ▪ Conducted weekly adult congenital heart disease clinic at Keck outpatient center and monthly adult congenital heart disease clinic at LAC+USC Medical Center ▪ Developed and coordinated transitional clinic to smoothly transfer young adult congenital heart disease patients from CHLA to USC’s clinical program ▪ Coordinated didactic case conferences for cardiology and cardiothoracic surgical fellows and faculty at a monthly adult congenital heart disease conference

**TEACHING &
CLINICAL
ACTIVITIES
(continued)**

Faculty, Adult Cardiology and Electrophysiology Fellowship Program

USC, August 2010 – July 2017

- Participated in the clinical training of fellows in electrophysiology on outpatient and inpatient services and training in invasive electrophysiology procedures
- Facilitated weekly didactic sessions with electrophysiology and general cardiology fellows on electrophysiology topics and research

Faculty, Pediatric Cardiology Fellowship Program

CHLA, August 2010 – July 2017

- Lectured to pediatric cardiology trainees on topics in pediatric electrophysiology and adult congenital heart disease

Director, Electrophysiology Lab

LAC+USC Medical Center, March 2014 – July 2017

- Oversaw the scheduling and performance of all invasive electrophysiology procedures
- Oversaw the maintenance of lab equipment, staff education, research integration, and clinical service delivery for the Keck electrophysiology section at LAC+USC Medical Center.

**EDITORIAL
BOARDS**

Publication Editorial Boards:

- *The Journal of Innovations in Cardiac Rhythm Management* (2016 – present)

Manuscript Peer Review:

- *Pacing and Clinical Electrophysiology* (2010 – present)
- *Circulation* (2013 – present)
- *Journal of Cardiovascular Electrophysiology* (2013 – present)
- *HeartRhythm Case Reports* (2015 to present)

**RESEARCH &
PUBLICATIONS**

Research and Academic Interests:

- Minimally invasive device implantation in pediatric and congenital heart disease patients
- Radiation exposure reduction in electrophysiology procedures
- Arrhythmias in congenital heart disease
- Postoperative arrhythmia management

Past Principle Investigator and Co-Investigator Multi-Center Research:

Site Principle Investigator Research:

- *S-ICD Post Approval Study, Boston Scientific Corporation (2014-2017)*
Long term safety and effectiveness study associated with the SQ-RX generator and Q-TRAK electrode
- *Quadripolar Pacing Post Approval Study (Quad PAS), St. Jude Medica (2014-2017)*
Evaluation of acute and chronic performance of a CRT-D system incorporating the Quartet quadripolar left ventricular lead
- *Multipoint Pacing (MPP) IDE Study, St. Jude Medical (2016-2017)*
Evaluation of efficacy and safety of multipoint versus standard biventricular pacing using the Quartet quadripolar left ventricular lead
- *Hypertrophic Cardiomyopathy in Children: Age Specific Risk Stratification for Sudden Death*
Multicenter study investigating pediatric-specific risk factors for sudden death in patients with hypertrophic cardiomyopathy and implantable cardioverter-defibrillators
- *ACHD QuERI and ES QuERI (2012-2015)*
Multicenter registry and quality enhancement initiative for adult congenital heart disease and Eisenmenger syndrome patients

**RESEARCH &
PUBLICATIONS
(continued)**

Site Co-Principle Investigator Research:

- *Nanostim Leadless II Pacemaker Study, St. Jude Medical (2014-2017)*

Study evaluating efficacy and safety of a leadless pacemaker in patients meeting indications for permanent single chamber pacemaker implantation

- *CRT Implant Strategy Using the Longest Electrical Delay for Non-Left Bundle Branch Block Patients (ENHANCE-CRT): A Prospective, Randomized Postmarket Pilot Study, St. Jude Medical (2015-2017)*

Prospective study comparing the effect of LV lead pacing location guided by QLV measurement versus standard of care approach in non-LBBB heart failure patients

Past Completed Studies As Site Principle Investigator:

- *Multisensor Chronic Evaluations in Ambulatory Heart Failure Patients (MultiSENSE), Boston Scientific Corporation (Completed 2014)*

Observational study on data collection from sensors in implanted CRT-D devices to develop algorithms for early detection of worsening heart failure

- *SAMURAI Clinical Study, Boston Scientific Corporation (Completed 2014)*

Safety and efficacy study of the ImageReady MR Conditional Pacing System

Book Chapters:

Carlson SK, Patel AR, Chang PM. Bradyarrhythmias. In: R Mandapati, K Shivkumar, S Balaji (Eds.): *Cardiac Electrophysiology Clinics – Cardiac Arrhythmias in Adults with Congenital Heart Disease*. Elsevier, 2017. (ISBN-13: 978-0-323-52999-0)

Chang PM, Carter C, Bar-Cohen Y. Indications for Permanent Pacing, Device and Lead Selection. In: MJ Shah, J Kaltman, L Rhodes (Eds.): *Cardiac Pacing and Defibrillation in Pediatric and Congenital Heart Disease*. Wiley Blackwell, 2017. (ISBN: 978-0-470-67109-2)

Shinbane JS, Saxon LA, Doshi RN, Chang PM, Budoff MJ. CCTA Cardiac Electrophysiology Applications: Substrate Identification, Virtual Procedural Planning, and Procedural Facilitation. In: Budoff MH, Shinbane JS (Eds.): *Cardiac CT Imaging: Diagnosis of Cardiovascular Disease, 3rd Edition*. Springer, 2016. (ISBN: 978-1-4614-8874-3)

Detterich J, Yoon A, Chang PM. Echocardiographic Imaging in Adults with Congenital Heart Disease. In: F Saremi F (Ed.): *Cardiac CT and MR for Adult Congenital Heart Disease*. Springer Science+Business Media New York, 2014. (ISBN: 978-1-4614-8874-3)

Chang PM, Salazar M, Cao M, Cesario D. Lead Extraction in Congenital Heart Disease Patients – Indications, Technique and Experience. In: M Min (Ed.): *Cardiac Pacemakers – Biological Aspects, Clinical Applications, and Possible Complications*. InTech, 2011. (ISBN: 978-953-307-639-3)

Original Articles:

Mahendran AK, Bussey S, Chang PM. Leadless Pacemaker Implantation in a Four-year-old, 16-kg Child. *The Journal of Innovations in Cardiac Rhythm Management*. 2020; 11:1-5. (In press; November 2020 publication)

Tadros HJ, Boggs R, Childress M, Chang PM. Case 3: An Unusual Rhythm in a 12-day-old Infant. *Neoreviews*. 2020; 21:e622-e624 [PMID 32973657]

**RESEARCH &
PUBLICATIONS
(continued)**

Balaji S, DiLorenzo MP, Fish FA, Etheridge SP, Aziz PF, Russell MW, Tisma S, Pflaumer A, Sreeram N, Kubus P, Law IH, Kantoch MJ, Kertesz NJ, Strieper M, Erickson CC, Moore JP, Nakano SJ, Singh HR, *Chang PM*, Cohen M, Fournier A, Ilina MV, Smith RT, Zimmerman F, Horndasch M, Li W, Batra A, Liberman L, Hamilton R, Janson CM, Sanatani S, Zeltser I, McDaniel G, Blaufox AD, Garnreiter JM, Katcoff H, Shah M. Impact of Obesity on Left Ventricular Thickness in Children with Hypertrophic Cardiomyopathy. *Pediatric Cardiology*. 2019; 40:1253-1257. [PMID 31263917]

Lee CC, Do K, Patel S, Carlson SK, Konecny T, *Chang PM*, Doshi RN. Single- and Dual-site Ventricular Pacing Entirely Through the Coronary Sinus for Patients with Prior Tricuspid Valve Surgery. *Journal of Interventional Cardiac Electrophysiology*. 2019; 56:79-89. [PMID 31432385]

Do K, Lee CC, Kiankhooy A, *Chang PM*, Doshi RN. Substernal Subcutaneous Implantable Cardioverter-Defibrillator Lead Placement for the Management of Inappropriate Shocks. *HeartRhythm Case Reports*. 2019; 8:407-410. [PMID31453090]

Chang PM. Advances and Limitations in Electroanatomic Mapping for Infant Catheter Ablation. *The Journal of Innovations in Cardiac Rhythm Management*. 2019; 10:3696-3701. [PMID 32477736]

Balaji S, DiLorenzo MP, Fish FA, Etheridge SP, Aziz PF, Russell MW, Tisma S, Pflaumer A, Sreeram N, Kubus P, Law IH, Kantoch MJ, Kertesz NJ, Strieper M, Erickson CC, Moore JP, Nakano SJ, Singh HR, *Chang PM*, Cohen M, Fournier A, Ilina MV, Smith RT, Zimmerman F, Horndasch M, Li W, Batra A, Sanatani S, Zeltser I, McDaniel G, Blaufox AD, Garnreiter JM, Katcoff H, Shah M. Risk Factors for Lethal Arrhythmic Events in Children and Adolescents with Hypertrophic Cardiomyopathy and an Implantable Defibrillator: An International Multi-Center Study. *Heart Rhythm*. 2019; 16:1462-1467. [PMID 31026510]

Shinbane JS, *Chang PM*. Atrial Arrhythmias Including Atrial Fibrillation in Congenital Heart Disease: Mechanisms, Substrate Identification, and Interventional Approaches. *Cardiovascular Innovations and Applications*. 2018; 3:41-59.

Vaikunth SS, Williams RG, Uzunyan MY, Tun H, Barton C, *Chang PM*. Short-term Outcomes Following Implementation of a Dedicated Young Adult Congenital Heart Disease Transition Program. *Congenital Heart Disease*. 2018; 13:85-91. [PMID 29152906]

Do K, *Chang PM*, Konecny T, Carlson SK, Tun J, Huntsinger M, Doshi RN. Predictors of Elevated Defibrillation Threshold with the Subcutaneous Implantable Cardioverter-Defibrillator. *The Journal of Innovations in Cardiac Rhythm Management*. 2017; 8:2920-2929. [PMID 32494435]

Phuong N, *Chang PM*, Starnes VA, Shinbane JS. Cardiovascular Magnetic Resonance of the Ross II Procedure: Long-Term Post-Operative Imaging. *World Journal for Pediatric and Congenital Heart Surgery*. 2017; 8:398-399. [PMID 28520547]

Chang PM, Powell B, Jones PW, Carter N, Hayes D, Saxon LA. Implantable Cardioverter-Defibrillator Programming Characteristics, Shocked Rhythms, and Survival Among Patients Under Thirty Years of Age. *Journal of Cardiovascular Electrophysiology*. 2016; 28:1183-1190. [PMID 27334356]

**RESEARCH &
PUBLICATIONS
(continued)**

Luke D, Huntsinger M, Carlson SK, Lin R, Tun H, Matthews RV, Konecny T, Chang PM, Doshi RN. Incidence and Predictors of Pacemaker Implant Post Commercial Approval of the CoreValve System for TAVR. *The Journal of Innovations in Cardiac Rhythm Management*. 2016; 7:2452-2460.

Vaikunth SS, Sepulveda JS, Shinbane JS, Chang PM. Isolated Double Chambered Right Ventricle in an Adult Imaged with Magnetic Resonance. *World Journal for Pediatric and Congenital Heart Surgery*. 2016; 7:758-760. [PMID 27625051]

Chang PM, Saxon LA, Doshi RN. The Subcutaneous Implantable Cardioverter-Defibrillator as Part of Dual Device Therapy in Complex Congenital Heart Disease. *The Journal of Innovations in Cardiac Rhythm Management*. 2016; 7:2395-2399.

Chang PM, Doshi RN. Implantation of a Leadless Cardiac Pacemaker for Recurrent Pocket Infections. *HeartRhythm Case Reports*. 2016; 2:339-341. [PMID 28491705]

Carlson SK, Chang PM, Doshi RN. Prolapse of Pacemaker Leads Resulting in Complete IVC Obstruction in an Adult Congenital Patient. *The Journal of Innovations in Cardiac Rhythm Management*. 2015; 6:2117-2120.

Chang PM, Patel AR, Aziz P, Shah MJ. Fasciculoventricular Accessory Pathways Following Repair of Ventricular Septal Defects. *HeartRhythm Case Reports*. 2015; 1:331-336. [PMID 28491578]

Fung E, Jarvelin M-R, Doshi RN, Shinbane JS, Carlson SK, Grazette LP, Chang PM, Sangha RS, Huikuri HV, Peters NS. Electrocardiographic Patch Devices and Contemporary Wireless Cardiac Monitoring. *Frontiers in Physiology*. 2015; 6:149. [PMID 26074823]

Haberman ZC, Jahn RT, Bose R, Tun H, Shinbane JS, Doshi RN, Chang PM, Saxon LA. Wireless Smartphone ECG Enables Large-Scale Screening in Diverse Populations. *Journal of Cardiovascular Electrophysiology*. 2015; 26:520-526. [PMID 25651872]

Eisenberg EE, Carlson SK, Doshi RN, Shinbane JS, Chang PM, Saxon LA. Chronic Ambulatory Monitoring: Results of a Large Single-Center Experience. *The Journal of Innovations in Cardiac Rhythm Management*. 2014; 5:1818-1823.

Chang PM, Doshi R, Saxon LA. Subcutaneous Implantable Cardioverter-Defibrillator. *Circulation*. 2014; 129:e644-646. [PMID 24914020]

Cao M, Chang PM, Garon B, Shinbane JS. Cardiac Resynchronization Therapy: Double Cannulation Approach to Coronary Venous Lead Placement via a Prominent Thebesian Valve. *Pacing and Clinical Electrophysiology*. 2013; 36:e70-73. [PMID 22432962]

Shinbane JS, Shriki J, Hindoyan A, Chang PM, Ghosh B, Farvid A, Saxon LA, Cao M, Cesario D, Takahashi M, Colletti PM, Wilcox A, Baker C, Starnes VA. Unoperated Congenitally Corrected Transposition of the Great Arteries, Non-restrictive Ventricular Septal Defect, and Pulmonary Stenosis in Middle Adulthood: Do Multiple Wrongs Make a Right? *World Journal for Pediatric and Congenital Heart Surgery*. 2012; 3:123-129. [PMID 23804696]

Chang PM, Silka MJ, Moromisato DY, Bar-Cohen Y. Amiodarone versus Procainamide for the Acute Treatment of Recurrent Supraventricular Tachycardia in Pediatric Patients. *Circulation: Arrhythmia and Electrophysiology*. 2010; 3:134-140. [PMID 20194798]

**RESEARCH &
PUBLICATIONS
(continued)**

Kung GC, Chang PM, Sklansky MS, Randolph LM. Hypoplastic Left Heart Syndrome in Patients with Kabuki Syndrome. *Pediatric Cardiology*. 2010; 31:138-141. [PMID 19967352]

Abstracts and Posters:

Mahendran A, Chang PM. Abstract 10964: Single-center Experience with Fluoroscopy-free Ablation in Patients with Moderate and Severe Congenital Heart Disease. (Accepted for poster presentation at the 69th Annual Scientific Session of the American College of Cardiology Together with World Congress of Cardiology, March 2020)

Roy D, Sarcon A, Ramos R, Huntsinger M, Chang PM, Doshi RN. Abstract 15035: Leadless Pacemakers for Syncope Associated With Bradycardia: A Retrospective Analysis of 954 Patients. (Presented at the American Heart Association's 2018 Scientific Sessions)

Reddy P, Valladares EM, Akkad A, Garabet-Diramerian L, Orban M, Chang PM, Doshi RN, Hammond T, Konecny T. Abstract 17281: Acute ECG Changes During Authentic Obstructive Sleep Apnea and Hypopneas in Humans. (Presented at the American Heart Association's 2017 Scientific Sessions)

Chang PM, Minor M, Doshi RN. Single-center Experience with the St. Jude Medical Nanostim Leadless Pacemaker: Descriptive Analysis and Insights for the Pediatric Implanter. (Accepted for oral abstract presentation at *Pediatric and Congenital Electrophysiology Society 2nd Annual Advancing the Field Conference*, February 20, 2017)

Do K, Carlson SK, Konecny T, Chang PM, Doshi RN. Pacing Through Coronary Sinus Leads After Tricuspid Valve Surgery. (Accepted for poster presentation at *Heart Rhythm Society 37th Annual Scientific Sessions*, May 2016)

Do K, Carlson SK, Konecny T, Chang PM, Doshi RN. High Defibrillation Threshold in Obese Patients Receiving S-ICD. (Accepted for poster presentation at *Heart Rhythm Society 37th Annual Scientific Sessions*, May 2016)

Carlson SK, Doshi RN, Chang PM. Prolapse of Pacemaker Leads Resulting in Complete IVC Obstruction in an Adult Congenital Patient. (Accepted for poster presentation at *Heart Rhythm Society 36th Annual Scientific Sessions*, May 2015)

Vaikunth SS, Sepulveda JAS, Chang PM. Short-term Outcomes of a New Dedicated Transitional Care Program in Congenital Heart Disease. (Accepted for oral abstract presentation at *Adult Congenital Heart Association 7th National Conference* September 2014)

Eisenberg E, Saxon LA, Shinbane JS, Chang PM, Cao M, Kim D. Utility and Diagnostic Yield of Long-Term Ambulatory Patch ECG Recording Devices. *European Heart Journal*. 2013; 34(S):1033.

Saxon LA, Tun H, Riva G, Chang PM, Cesario DA, Cao M, Kumar U. Dynamic Heart Rate Behavior of Elite Athletes During Football. (Accepted for poster presentation at *Heart Rhythm Society 33rd Annual Scientific Sessions*, Abstract PO3-31, 2012)

Patel A, Chang PM, Smoots K, Shah M. Clinical Defibrillation Efficacy of Single Coil Transvenous ICD Leads in Children and Young Patients with Congenital Heart Disease. (Accepted for oral abstract presentation at *Heart Rhythm Society 32nd Annual Scientific Sessions*, Abstract AB43-4, 2011)

**RESEARCH &
PUBLICATIONS
(continued)**

Chang PM, John A, Ganley J, Jobes D, Wieand T, Bonney W, Shah M, Iyer VR. The Effect of General Anesthesia versus Monitored Anesthesia Care on the Inducibility and Recurrence of SVT After Ablation Procedures in Children. (Accepted for poster presentation at Heart Rhythm Society 31st Annual Scientific Sessions, Abstract PO4-157, 2010)

Khurana RK, *Chang PM. Isoproterenol Tests: Clinical Utility in Patients with Orthostatic Intolerance and Orthostatic Tachycardia. Neurology. April 2001:56(8), abstract #P06.069.*

**INVITED
LECTURES**

"Arrhythmias in Adult Congenital Heart Disease: Challenges and Progress"
UF Health Shands Cardiology Division Grand Rounds Lecture, Gainesville, FL
Invited Speaker, October 31, 2019

"Screening for Heart Disease in Young Patients"
The Studer Family Children's Hospital at Sacred Heart Pediatric Grand Rounds, Pensacola, FL
Invited Speaker, February 13, 2018
Tallahassee Pediatric Foundation CME Lecture, Tallahassee, FL
Invited Speaker, September 10, 2018

"Managing The Nightmare Case – My VT Nightmare"
2nd Fouad Mobassaleh Memorial Symposium: Sudden Cardiac Arrest in the Young, Miami, FL
Invited Speaker, February 24, 2018

"Issues in Caring for Adults with Congenital Heart Disease"
CHLA Heart Institute Excellence in Congenital Cardiovascular Care, 4th Annual Symposium
Invited Speaker, February 14 and March 2, 2017

"Primary Results of the EFFORTLESS SCD Registry"
VuMedi Webinar: "Safety and Efficacy of the Subcutaneous ICD"
Invited Speaker, November 21, 2016

"Common Arrhythmias in the Pediatric Population: They Are Not Just Small Adults"
Allied Professional Core Curriculum: Heart Rhythm Care in the Pediatric Population
Heart Rhythm Society 37th Annual Scientific Sessions, San Francisco, CA
Invited Speaker, May 5, 2016

"Adult Congenital Heart Disease in the Community"
Fountain Valley Regional Hospital Center CME Seminar
Invited Speaker, April 1, 2016

"Same-Day Discharge for Devices: How Does It Work?"
Allied Professionals Forum
Heart Rhythm Society 36th Annual Scientific Sessions, Boston, MA
Invited Speaker, May 15, 2015

"Transitioning From Pediatric to Adult Heart Care"
2014 Heart Ambassadors Educational Conference
Children's Hospital Los Angeles
Invited Speaker, November 15, 2014

"Adult Congenital Heart Disease in the Community"
Whittier Hospital Medical Center CME Seminar
Invited Speaker, July 27, 2014

**INVITED
LECTURES
(continued)**

"Observations and Maneuvers to Determine PSVT Mechanism"
Allied Professional Forum: Cardiac Electrophysiology Review – From Action Potential to Complex Ablation
Heart Rhythm Society 35th Annual Scientific Sessions, San Francisco, CA
Invited Speaker, May 7, 2014

"Adult Congenital Heart Disease: What the Adolescent Medicine Physician Needs to Know"
Children's Hospital Los Angeles, Division of Adolescent Medicine
Grand Rounds, October 24, 2013

"Does Syncope Increase Risk In Patients With Suspected Channelopathy?"
6th APHRS and CardioRhythm 2013, Hong Kong
Invited Speaker, October 5, 2013

"Cardiac Imaging and Catheter Ablation in EP"
6th APHRS and CardioRhythm 2013, Hong Kong
Invited Session Chair, October 5, 2013

"Transition from Pediatric to Adult Care and Growing Up With One Ventricle: An ACHD Doc's Perspective"
Hypoplastic Right Hearts "Heart ReUnited 3" Conference, Los Angeles, CA
Invited Speaker, July 11-13, 2013
"Adult Congenital Heart Disease: What the ER Physician Needs to Know"
Children's Hospital Los Angeles, Division of Emergency Medicine
Grand Rounds, May 22, 2013

"Overview (or review) of Arrhythmias and General EP"
California Association for Nurse Practitioners, Continuing Medical Education Series
February 28, 2013 – Pasadena Chapter

"Adult Congenital Heart Disease: A Fast Growing Specialty in Congenital Heart Disease"
"Growing Up: What Are the Important Cardiac Surgeries That Will Require Close Watching in Adults with CHD? How Do I Evaluate Them?"
5th Symposium Echocardiographic Evaluation of Congenital Heart Disease
Children's Hospital Los Angeles
Invited Speaker, October 27-28, 2012

"Congenital Heart Disease"
California Association for Nurse Practitioners, Continuing Medical Education Series
January 10, 2012 – West Los Angeles, South Chapter; March 15, 2012 – Pasadena Chapter

PERSONAL

Born and raised in Maryland

- Favorite activity: spending time with my wife and 3 daughters
- Other interests include outdoor activities (hiking, backpacking, snowboarding), sports, music (songwriting, recording), DIY home improvement, and grilling
- Other languages spoken - Chinese (Mandarin) and Spanish