

**CURRICULUM VITAE**  
**David Michael Axelrod, M.D.**

Prepared: January 2024

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**I. Personal Information**

David M. Axelrod MD  
Lucile Packard Children's Hospital Stanford  
Betty Irene Moore Children's Heart Center  
Department of Pediatrics, Division of Pediatric Cardiology  
Stanford University School of Medicine  
750 Welch Road, Suite 321  
Palo Alto, CA 94304  
Telephone: (415) 578-0148 (cell)  
(650) 723-7913 (office)  
Email: [daxelrod@stanford.edu](mailto:daxelrod@stanford.edu)  
Websites: LinkedIn: <https://www.linkedin.com/in/davidaxelrodm/>  
Stanford University Profile: <https://profiles.stanford.edu/david-axelrod>  
Lighthouse Inc.: [www.lighthouse.us](http://www.lighthouse.us)

**II. Professional Employment/Appointments**

2020-present	Stanford University, Department of Pediatrics (Cardiology)	Clinical Professor
2017-2020	Stanford University, Department of Pediatrics (Cardiology)	Clinical Associate Professor
2016-present	Lighthouse, Inc.	Lead Medical Advisor, partner & shareholder
2015-2018	Stanford University, Department of Pediatrics (Cardiology)	Medical Director, CVICU Consult Service
2011-2017	Stanford University, Department of Pediatrics (Cardiology)	Clinical Assistant Professor
2008-2013	Astellas Pharmaceuticals	Consultant
2009-2011	Stanford University, Pediatric Critical Care Medicine	Fellow
2006-2009	Stanford University, Pediatric Cardiology	Fellow
2005-2006	University of California, San Francisco Neonatal Intensive Care Unit	Clinical Instructor
2005-2006	University of California, San Francisco Critical Care Transport Services	Transport Pediatrician
2005-2006	University of California, San Francisco Neonatal and Pediatric Intensive Care Units	
2005-2006	Alta Bates Medical Center Neonatal Intensive Care Unit Berkeley, CA	Staff Pediatrician
2005-2006	Kaiser Permanente Medical Center San Francisco and Redwood City, CA	Staff Pediatrician

**III. Education**

2009-2011	Lucile Packard Children's Hospital at Stanford Palo Alto, CA	Fellow, Pediatric Critical Care
2006-2009	Lucile Packard Children's Hospital at Stanford Palo Alto, CA	Fellow, Pediatric Cardiology
2003-2005	University of California, San Francisco San Francisco, CA	Resident, Pediatrics
2002-2003	University of California, San Francisco San Francisco, CA	Intern, Pediatrics
1998-2002	The Ohio State University College of Medicine Columbus, OH	M.D.
1994-1998	Dartmouth College Hanover, NH	B.A., Psychology

**IV. Licenses and Certification**

2022	Certificate in Clinical Pediatric Palliative Care, Shiley Haynes Institute for Palliative Care (The California State University, online)
2012-present	Certified, American Board of Pediatrics, Pediatric Critical Care Medicine

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2010-present	Certified, American Board of Pediatrics, Pediatric Cardiology	
2019	Certified, FEMA course IS-00700.b, An Introduction to the National Incident Management System	
2019	Certified, FEMA course ICS-100 Introduction to Incident Command System	
2019	Certified, FEMA course IS-200, ICS for Single Resources and Initial Action Incident	
2017, 2018, 2020	Recertified, Pediatric Advanced Life Support	
2015, 2017, 2020	Recertified, Basic Life Support	
2017, 2018	Recertified, Advanced Cardiac Life Support	
2003	Medical Licensure, California	A85299
2003	Drug Enforcement Agency Licensure	FA1677357

### V. Other Education, Websites, and Career Development

- 2019 Co-Producer (with Lighthouse Inc. and the American Heart Association): Mixed Reality Video: [Virtual Reality CPR](#)
- 2019 Co-Producer (with Lighthouse Inc. and Stanford): Mixed Reality Video: [Stanford Fetal Therapy VR: An inside look at complex fetal conditions](#)
- 2019 Voice of America News: "Patients explore the heart from within through virtual reality," September 18, 2019. Link here: <https://www.voanews.com/episode/patients-explore-heart-within-through-virtual-reality-4034121>
- 2018 San Francisco Business Times: "Using Virtual Reality, Stanford opens up a complicated organ to doctors and patient families," <http://bizj.us/lpmwvs> ; video interview [here](#).
- 2017 Seeker Media: [Revolutionizing Heart Surgery With Virtual Reality](#); (greater than two million combined views).
- 2017 CeBit 2017: Invited Keynote Speech, see: ["The Stanford Virtual Heart--Educating Medical Professionals in the 21st Century"](#)
- 2016 Co-Producer: Mixed Reality Video: [The Stanford Virtual Heart \(on Vimeo\)](#)
- 2015 Junior Faculty Leadership Program, Lucile Packard Children's Hospital Stanford
- 2013 Completed Stanford HRP 225: Design and Conduct of Clinical and Epidemiologic Studies, HRP 223: Data Management and Statistical Programming (SAS Enterprise Guide), HRP 259: Introduction to Probability and Statistics for Epidemiology
- 2013 Completed Massive Online Open Course (MOOC): HRP 258: Introduction to Medical Statistics, Stanford University School of Medicine

### VI. Honors and Awards

- 2023 Doximity.com top 10% of physicians for citations to written articles (550 citations)
- 2019 2019 Stanford Inaugural Integrated Strategic Plan (ISP) Award winner: David M. Axelrod MD and David Sarno, for the development of The Stanford Virtual Heart
- 2018 Finalist: Breakthrough Auggie Award in Virtual Reality, Augmented World Expo conference, Munich, Germany
- 2014-2015 Winner: Stanford "Stole of Gratitude" for faculty member most influential to Stanford Pediatric Cardiology fellows' training
- 2014-2015 Winner: Clinical Award of Excellence: Junior Faculty; Lucile Packard Children's Hospital, Stanford Department of Pediatrics
- 2015 Code Committee Awards (2): Acknowledgement of Excellence in Code Events
- 2013-2014 Nominee: Feedback Award; Lucile Packard Children's Hospital Department of Pediatrics
- 2013 Cardiology Fellows' Lecture rated one of top 3 lectures of the year (Cyanotic Heart Disease)
- 2012-2013 Cardiology Fellows' Medical Education Valuable Person (MVP) for outstanding contributions

### VII. Scholarly Publications

#### a. Peer Reviewed Articles (Original Work)

1. Kieu V, Sumski C, Cohen S, Reinhardt E, **Axelrod DM**, Handler SS. The Use of Virtual Reality Learning on Transition Education in Adolescents with Congenital Heart Disease. *Pediatr Cardiol.* 2023 Dec;44(8):1856-1860. doi: 10.1007/s00246-023-03292-w. Epub 2023 Sep 7..

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2. Punn R, Falkensammer CB, Blinder JJ, Fifer CG, Thorsson T, Perens G, Federman M, Gupta P, Best T, Arya B, Chan T, Sherman-Levine S, Smith SN, **Axelrod DM**, Roth SJ, Tacy TA. Hemodynamic and Echocardiographic Predictors of Mortality in Pediatric Patients on Venoarterial Extracorporeal Membrane Oxygenation - A Multicenter Investigation. *J Am Soc Echocardiogr*. 2022 Oct 10:S0894-7317(22)00517-X. doi: 10.1016/j.echo.2022.10.005. Online ahead of print.
3. Lim TR, Wilson HC, **Axelrod DM**, Werho DK, Handler SS, Yu S, Afton K, Lowery R Mullan PB, Cooke J, Owens ST. Virtual Reality curriculum increases paediatric residents' knowledge of CHDs. *Cardiology in the Young* 2022: published online April 2022.
4. Wilson, H. C., Lim, T. R., **Axelrod, D. M.**, Werho, D. K., Handler, S. S., Mullan, P. B., Cooke, J. M., Owens, S. T. A multimedia paediatric cardiology assessment tool for medical students and general paediatric trainees: development and validation. *Cardiology in the young* 2022: Apr 12;1-5. doi: 10.1017/S1047951122001123
5. Motonaga KS, Sacks L, Olson I, Balasubramanian S, Chen S, Peng L, Feinstein JA, Silverman NH, Hanley FL, Axelrod DM, Krawczeski CD, Arunamata A, Kwiatkowski DM, Ceresnak SR. The development and efficacy of a paediatric cardiology fellowship online preparatory course. *Cardiol Young*. 2022 Nov 28;1-6. doi: 10.1017/S1047951122003626. Online ahead of print. PMID: 36440543
6. Blumenfeld YJ, **Axelrod DM**, Sarno D, Hintz SR, Sylvester KG, Grant GA, Belfort MA, Shamshirsaz AA, El-Sayed YY. Virtual reality experience for in utero fetal surgery: a new era of patient counselling and medical education. *BMJ Innovations*. Published Online First: 18 January 2022.
7. Giustini, AJ, Schroeder AR, **Axelrod DM**. Trends in Views of Articles Published in 3 Leading Medical Journals During the COVID-19 Pandemic. *JAMA Network Open*. Apr1, 2021. doi:[10.1001/jamanetworkopen.2021.6459](https://doi.org/10.1001/jamanetworkopen.2021.6459)
8. Savorgnan F, Elhoff JJ, Guffey D, **Axelrod D**, Buckley JR, Gaies M, Ghanayem NS, Lasa JJ, Shekerdemian L, Tweddell JS, Werho DK, Yeh J, Steurer MA. Relationship between gestational age and outcomes after congenital heart surgery. *Ann Thorac Surg*. 2021 Nov;112(5):1509-1516 PMID: 33080235
9. Giustini, A. J., **Axelrod, D. M.**, Lucas, B. P., Schroeder, A. R. Association Between Citations, Altmetrics, and Article Views in Pediatric Research. *JAMA network open*. 2020 Jul 1;3(7):[e2010784](https://doi.org/10.1001/jamanetworkopen.2020.10784).
10. Salavitabar A, Figueroa CA, Lu JC, Owens ST, **Axelrod DM\***, Zampi JD. Emerging 3D technologies and applications within congenital heart disease: teach, predict, plan and guide. *Future Cardiol*. 2020 Jul 6. doi: 10.2217/fca-2020-0004. \*Contributed to the writing of this publication, edited subsequent drafts, contributed video and photos for publication.
11. Haskin O, Shih W, Wong CJ, **Axelrod DM\***, Grimm PC. Peri-transplant aminophylline in pediatric kidney transplant recipients of donation after brain death: a double-blinded placebo-controlled randomized clinical trial. *Pediatr Nephrol* 2020 Sep;35(9):1729-1736.. <https://doi.org/10.1007/s00467-020-04561-z> \*Contributed to study design which was based on prior work I had published, performed manuscript review and edits, assisted in writing final manuscript
12. Sacks LD, **Axelrod DM\***. Virtual Reality in Pediatric Cardiology: Hype or Hope for the Future? *Curr Opin Card*. 2020 Jan;35(1):37-41. doi: 10.1097/HCO.0000000000000694.019. \*Contributed to the writing of this publication, edited subsequent drafts, contributed video and photos for publication.
13. Cox K, Arunamata A, Krawczeski CD, Reddy C, Kipps AK, Long J, Roth SJ, **Axelrod DM\***, Hanley F, Shin A, Selamet Tierney ES. "Echo pause" for postoperative transthoracic echocardiographic surveillance. *Echocardiography*. 2019 Nov;36(11):2078-2085. doi: 10.1111/echo.14505. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
14. Moss JD, Wu M, **Axelrod DM\***, Kwiatkowski DM. Rasburicase versus intravenous allopurinol for non-malignancy-associated acute hyperuricemia in paediatric cardiology patients. *Cardiol Young*. 2019 Sep;29(9):1160-4. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.

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15. Purkey NJ, **Axelrod DM\***, McElhinney DB, Rigdon J, Qin F, Desai M, Shin AY, Chock VY, Lee HC. Birth Location of Infants with Critical Congenital Heart Disease in California. *Pediatr Cardiol*. 2019 Feb;40(2):310-318. doi: 10.1007/s00246-018-2019-0. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
16. Roeleveld PP, **Axelrod DM\***, Klugman D, Jones MB, Chanani NK, Rossano JW, Costello JM. Hypoplastic left heart syndrome: from fetus to Fontan. *Cardiol Young*. 2018 Nov;28(11):1275-1288. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
17. Mah KE, Hao S, Sutherland SM, Kwiatkowski DM, **Axelrod DM\***, Almond CS, Krawczeski CD, Shin AY. Fluid overload independent of acute kidney injury predicts poor outcomes in neonates following congenital heart surgery. *Pediatr Nephrol*. 2018 Mar;33(3):511-520. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
18. Arunamata A, **Axelrod DM\***, Bianco K, Balasubramanian S, Quirin A, Tacy T. Chronic antepartum maternal hyperoxygenation in a case of severe fetal Ebstein's anomaly with circular shunt physiology. *Ann Ped Card*. 2017 Sep-Dec;10(3):284-287. doi: 10.4103/apc.APC\_20\_17. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
19. Kortz TB, **Axelrod DM\***, Chisti MJ, Kache S. Clinical outcomes and mortality before and after implementation of a pediatric sepsis protocol in a limited resource setting: A retrospective cohort study in Bangladesh. *PLoS One*. 2017 Jul 28;12(7):e0181160. doi: 10.1371/journal.pone.0181160. eCollection 2017. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
20. Ceresnak SR, **Axelrod DM\***, Sacks LD, Motonaga KS, Johnson ER, Krawczeski CD. Advances in Pediatric Cardiology Boot Camp: Boot Camp Training Promotes Fellowship Readiness and Enables Retention of Knowledge. *Pediatr Cardiol*. 2017 Feb 4. doi: 10.1007/s00246-016-1560-y. [Epub ahead of print]. \*I am a founding member of the Boot Camp, participated in study design, taught at the Boot Camp, assisted in manuscript review and editing.
21. Algaze CA, Koth AM, Faberowski LW, Hanley FL, Krawczeski CD, **Axelrod DM\***. Acute Kidney Injury in Patients Undergoing the Extracardiac Fontan Operation With and Without the use of Cardiopulmonary Bypass. *Pediatr Crit Care Med*. 2017, Jan 18(1):34-43. \*I developed this research question with Dr. Algaze, mentored Dr. Algaze through the data acquisition and analysis, wrote parts of the manuscript, and edited the final draft.
22. Arunamata A, **Axelrod DM\***, Kipps AK, McElhinney DB, Shin AY, Hanley FL, Olson IL, Roth SJ, Selamet Tierney ES. Practice Patterns in Postoperative Echocardiographic Surveillance after Congenital Heart Surgery in Children: A Single Center Experience. *J Pediatr*. 2016 Oct 28. \*Contributed to study design, performed manuscript review and edits, assisted in writing final manuscript.
23. Koth AM, **Axelrod DM\***, Reddy S, Roth SJ, Tacy TA, Punn R. Institution of Veno-arterial Extracorporeal Membrane Oxygenation Does Not Lead to Increased Wall Stress in Patients with Impaired Myocardial Function. *Pediatr Cardiol*. 2016, Dec 22. \*Contributed to study design, assisted in parameter selection for study, assisted in writing manuscript and performed extensive edits of final manuscript.
24. Kwiatkowski DM, Price E, **Axelrod DM\***, Romfh AW, Han BS, Sutherland SM, Krawczeski CD. Incidence, risk factors, and outcomes of acute kidney injury in adults undergoing surgery for congenital heart disease. *Cardiol Young*. 2016 Nov 21:1-8. \*Designed the study from the initial idea to the parameters to measure, helped create the REDCap database for data collection, assisted in writing and editing of final manuscript, assisted in creation of poster for presentation of data.
25. **Axelrod DM\***, Anglemeyer A, Sutherland SM. The authors reply. *Pediatr Crit Care Med*. 2016 Aug; 17(8): 814-5. Reply to Editorial by McMahon and Zappitelli, *Pediatr Crit Care Med*. 2016 Feb; 17(2):170-1. \*I wrote this manuscript and integrated edits from co-authors.
26. **Axelrod DM\***, Frymoyer AR, Sutherland SM. Letter to the Editor regarding "Arrhythmias in the paediatric ICU: a prospective study of the rates and predictors of arrhythmias in children without underlying cardiac disease" by Cassel-Choudhury et al. *Cardiol Young*. 2016 Jul. 15:1-2. \*I wrote this manuscript and integrated edits from co-authors.

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27. Hollander SA, **Axelrod DM\***, Bernstein D, Cohen HJ, Sourkes B, Reddy S, Magnus D, Rosenthal DN, Kaufman BD. Compassionate Deactivation of Ventricular Assist Devices in Pediatric Patients. *J Heart Lung Transplant*. 2016 May;35(5):564-7. \*Discussed the clinical care of these patients with Dr. Hollander and encouraged the research team to describe our experience. Assisted in writing the manuscript and edited the final version.
28. Hollander SA, Montez-Rath ME, **Axelrod DM\***, Krawczeski CD, May LJ, Maeda K, Rosenthal DN, Sutherland SM. Recovery from Acute Kidney Injury and CKD Following Heart Transplantation in Children, Adolescents, and Young Adults: A Retrospective Cohort Study. *Am J Kidney Dis*. 2016 Aug;68(2):212-8. \*Assisted in generation of the research hypothesis and plan, helped define the ICU parameters to measure, assisted in writing and extensively edited final manuscript.
29. Ceresnak SR, **Axelrod DM\***, Motonaga KS, Johnson ER, Krawczeski CD. Pediatric Cardiology Boot Camp: Description and Evaluation of a Novel Intensive Training Program for Pediatric Cardiology Trainees. *Pediatr Cardiol*. 2016 Jun;37(5):834-44. \*Helped form the Boot Camp Educational Experience with Dr. Ceresnak, developed major segments of the boot camp curriculum, wrote many of the questionnaire questions, helped write the manuscript, performed extensive edits.
30. **Axelrod DM\***, Chock VY, Reddy VM. Management of the Preterm Infant with Congenital Heart Disease. *Clin Perinatol*. 2016 Mar;43(1):157-71. \*I wrote this manuscript and integrated edits from co-authors.
31. McCammond AN, **Axelrod DM\***, Bailly DK, Ramsey EZ, Costello JM. Pediatric Cardiac Intensive Care Society 2014 Consensus Statement: Pharmacotherapies in Cardiac Critical Care Fluid Management. *Pediatr Crit Care Med*. 2016 Mar;17(3 Suppl 1):S35-48. \*Wrote one segment (essentially ¼) of the manuscript in collaboration with other coauthors.
32. Kwiatkowski DM, **Axelrod DM\***, Sutherland SM, Tesoro TM, Krawczeski CD. Dexmedetomidine Is Associated With Lower Incidence of Acute Kidney Injury After Congenital Heart Surgery. *Pediatr Crit Care Med*. 2016 Feb; 17(2):128-134. \*Participated in research question generation, helped decide which parameters to collect data on, organized REDCap database, edited final manuscript.
33. Frymoyer A, Su F, Grimm PC, Sutherland SM, **Axelrod DM\***. Theophylline Population Pharmacokinetics and Dosing in Children Following Congenital Heart Surgery with Cardiopulmonary Bypass. *J Clin Pharmacol*. 2016 Sept; 56(9):1084-93. \*I provided data and background information for Dr. Frymoyer's publication, I mentored him through the process of data analysis and edited the manuscript with co-authors' contributions.
34. **Axelrod DM\***, Sutherland SM, Anglemeyer A, Grimm PC, Roth SJ. A Double-Blinded, Randomized, Placebo-Controlled Clinical Trial of Aminophylline to Prevent Acute Kidney Injury in Children Following Congenital Heart Surgery With Cardiopulmonary Bypass. *Pediatr Crit Care Med*. 2015 Dec 11. Note: see related Editorial by McMahon and Zappitelli, *Pediatr Crit Care Med*. 2016 Feb;17(2):135-43. \*I designed, organized, oversaw, performed this study and oversaw all of the procedures associated with it. I wrote the manuscript and edited the final publication.
35. May LJ, Montez-Rath MD, Yeh J, **Axelrod DM\***, Chen S, Maeda K, Almond CS, Rosenthal DN, Hollander SA, Sutherland SM. Impact of ventricular assist device placement on longitudinal renal function in children with end-stage heart failure. *J Heart Lung Transplant*. 2016; 35 (4): 449-456\*Assisted in idea generation with Dr. Hollander and Sutherland, participated in ICU/renal parameter selection and data collection for manuscript, edited manuscript.
36. Motonaga KS, Punn R, **Axelrod DM\***, Ceresnak SR, Hanisch D, Kazmucha JA, Dubin AM. Diminished Exercise Capacity and Chronotropic Incompetence in Pediatric Patients with Congenital Complete Heart Block and Chronic Right Ventricular Pacing. *Heart Rhythm*. 2015 Mar;12(3):560-5. \*Formulated database of patient population, collected data on exercise tests and quality of life questionnaires, completed data entry for approximately 70% of the data, presented preliminary data in poster form, assisted in writing manuscript, edited final version.
37. Shin AY, Jin B, Hao S, Zhongkai H, Sutherland S, McCammond A, **Axelrod D\***, Sharek PJ, Roth SJ, Ling XB. Utility of Clinical Biomarkers to Predict Central Line Associated Bloodstream Infections After Congenital Heart Surgery. *Pediatr Infect Dis J*. 2015 Mar;34(3):251-4. \*Assisted Dr. Shin in generation of research question, edited final manuscript.
38. Bauser-Heaton H, Nguyen C, Tacy T, **Axelrod DM\***. A novel approach to the management of



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- critically ill neonatal Ebstein's anomaly: Veno-venous extra corporeal membrane oxygenation to promote right ventricular recovery. *Ann Pediatr Cardiology*, 2015 Jan-Apr;8(1):67-70. \*I developed this clinical plan, participated in the clinical care, and mentored Dr. Bauser-Heaton through the writing and publication of this paper.
39. Punn R, **Axelrod DM\***, Sherman-Levine S, Roth S, Tacy T. Predictors of Mortality in Pediatric Patients on Venoarterial Extracorporeal Membrane Oxygenation. *Pediatr Crit Care Med*. 2014 Nov;15(9):870-7. \*Participated in original idea generation with Dr. Punn, provided expert ICU opinion on parameters to measure on ECMO while ventilated in the ICU, consented and enrolled patients, collected data at the bedside, wrote the intensive care portion of the manuscript, edited the final manuscript.
  40. Siehr S, Martin MH, **Axelrod DM\***, Efron B, Peng L, Roth SJ, Perry S, Shin A. Outcomes Following Cardiac Catheterization After Congenital Heart Surgery. *Catheter Cardiovasc Interv*. 2014 Oct 1;84(4):622-8. \*Assisted Dr. Siehr in hypothesis formulation, edited final manuscript.
  41. **Axelrod DM\***, Anglemyer AT, Sherman-Levine SF, Zhu A, Grimm PC, Roth SJ, Sutherland SM. Initial Experience Using Aminophylline to Improve Renal Dysfunction in the Pediatric Cardiovascular Intensive Care Unit. *Pediatric Critical Care Medicine*. 2014 Jan;15(1):21-7. \*I designed this study, analyzed the data, and wrote this manuscript.
  42. **Axelrod DM\*** and Klugman DK, Wright GE, Chang A, Bronicki R, Roth SJ, Board Members of the Pediatric Cardiac Intensive Care Society. One Hundred Useful References in Pediatric Cardiac Intensive Care: The 2012 Update. *Pediatric Critical Care Medicine*. 2013 Oct;14(8):770-785. \*I collated responses from more than 100 members of PCICS, read 50 articles and summarized them, and co-wrote this manuscript with Dr. Klugman.
  43. **Axelrod DM\***, Roth SJ. Pulmonary Atresia with Intact Ventricular Septum. In: UpToDate, Basow, DS (Ed), *UpToDate*, Waltham, MA, 2013. \*I researched and wrote this manuscript and incorporated Dr. Roth's edits.
  44. Schroeder AR, **Axelrod DM\***, Silverman NH, Rubesova E, Merkel E, Roth SJ. A Continuous Heparin Infusion Does Not Prevent Catheter-Related Thrombosis in Infants Following Cardiac Surgery. *Pediatric Critical Care Medicine*, 2010 Jul;11(4):489-95. \*I completed the day-to-day procedures of this study after Dr. Schroeder completed fellowship, cowrote the manuscript, and assisted in data analysis.

### b. Invited Peer Reviewed Articles and Case Reports

1. Anand V, Kwiatkowski DM, Ghanayem NS, **Axelrod DM\***, DiNardo J, Klugman D, Krishnamurthy G, Siehr S, Stromberg D, Yates AR, Roth SJ, Cooper DS. Training Pathways in Pediatric Cardiac Intensive Care: Proceedings From the 10th International Conference of the Pediatric Cardiac Intensive Care Society. *World J Pediatr Congenit Heart Surg*. 2016 Jan;7(1):81-8. \*Supervisory organizer of Junior Faculty and Fellows' conference at PCICS meeting, followed by coordination of manuscript and served as advisor to Anand and Kwiatkowski, edited final manuscript.
2. **Axelrod DM\***, Alten JA, Berger JT, Hall MW, Thaigarajan R, Bronicki RA. Immunologic and Infectious Diseases in Pediatric Cardiac Critical Care: Proceedings of the International Pediatric Cardiac Intensive Care Society Conference. *World J Pediatr Congenit Heart Surg*. 2015 Oct;6(4):575-87 \*I wrote this manuscript and incorporated edits from co-authors.
3. Arunamata A, Perry S, Kipps AK, Vasanaawala S, **Axelrod DM\***. Isolation of the right subclavian artery in a patient with d-transposition of the great arteries. *Ann Pediatr Cardiol*. 2015 May-Aug;8(2):161-3. \*I assisted in writing this manuscript and organized the clinical data with Dr. Arunamata.
4. Presnell L, Maeda K, Griffin M, **Axelrod DM\***. A child with purulent pericarditis and *Streptococcus intermedius* in the presence of a pericardial teratoma: An unusual presentation. *J Thorac Cardiovasc Surg*. 2014 Mar;147(3):e23-4 \*I assisted in writing this manuscript and organized the clinical data with Laura Presnell.

### c. Non-Peer Reviewed Publications & Book Chapters

1. Chapter Author: "Augmented reality/virtual reality (AR/VR) in medicine and the role of AI," in *Intelligence-Based Medicine, Artificial Intelligence and Human Cognition in Clinical Medicine and Healthcare*. Anthony Chang, 1<sup>st</sup> edition, Elsevier, 2020.

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2. Interview: Doximity.com: “What Do You Imagine the Future of VR Looks Like?” [Interview link here.](#)
3. Interview: American College of Cardiology: “Clinical Innovator: David M. Axelrod MD, Bringing the Heart to Life with Virtual Reality.” *Cardiosource*, October 2017. [Interview link here.](#)
4. Interview: American Heart Association News: “How virtual reality is changing cardiovascular care.” *AHA News*, August 2017. <https://news.heart.org/virtual-reality-changing-cardiovascular-care/>
5. Chapter Author: “Blood Pressure Support,” in *Neonatology, Clinical Practice and Procedures*. Stevenson, Cohen, Sunshine. 1<sup>st</sup> edition. New York; 2015.
6. Section Editor: “D-Transposition of the Great Arteries” and “L-Transposition of the Great Arteries,” in *Pediatric Cardiac Intensive Care Handbook*. Jones M, Klugman D, Fitzgerald R, Kohr LM, Costello JC, Berger JT, Bronicki R, 1<sup>st</sup> edition. Washington DC; 2014.
7. “Left Ventricular Non-compaction in Barth Syndrome,” in *Barth Syndrome Foundation Newsletter*, 2012.

### d. Digital publications

1. Sarno D, **Axelrod DM**. Virtual Reality Cardiopulmonary Resuscitation (copyright Lighthouse Inc.): <https://vimeo.com/355390646>.
2. Sarno D, **Axelrod DM**. Stanford Fetal Therapy VR: An inside look at complex fetal conditions (copyright Lighthouse Inc.) <https://www.youtube.com/watch?v=szKuD6GkQyM>
3. Sarno D, **Axelrod DM**. The Stanford Virtual Heart (copyright Lighthouse Inc.): <https://vimeo.com/208092586/2e9b21f939/>

### e. Other

1. Published photographer: Boston Children’s Hospital, *Ab Initio International 2012*, [NBO & the Home Visit](#)

## VIII. Mentoring

- a. Institute for Computational & Mathematical Engineering (ICME) Capstone project mentor, Jun Li (2018)
- b. Computer Science Graduate Student Research Mentor, Kyle Qian (2018)
- c. Co-Director, LPCHS Cardiology-Neonatology Combined Educational Conference (2016-2018)
- d. Director, LPCHS Pediatric Cardiology Division Medical Case Conference (2015-2016)
- e. Director, LPCHS Pediatric Cardiology Division Journal Club (2012-2018)
- f. Pediatric Cardiology Fellow Mentor: Kenneth Mah (2012-2019)
- g. Assistant Director, CVICU Advanced Training Fellowship (2012-2015)
- h. Resident Coach: LPCHS Pediatric Residency Program: (2013-2017)
- i. Resident Advisor: 2014-2018, primary advisor for one pediatric resident interested in Cardiology
- j. Scholarship Oversight Committee (SOC) member for two trainees (2012-2015)

## IX. Editorial Service

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|--------------|---|
| 2019-present | HealthCentral Medical/Remedy Health Media – Medical Review Board Member   |
| 2019-present | “World Journal of Pediatric and Congenital Heart Surgery,” Ad Hoc reviewer  |
| 2018-present | “The Lancet,” Ad Hoc reviewer   |
| 2017         | “Pediatric Hospitalist,” Ad Hoc reviewer  |
| 2017-present | “Pediatrics,” Ad Hoc reviewer   |
| 2016-present | “PLOS One,” Ad Hoc reviewer   |
| 2016         | “Critical Care Nursing,” Ad Hoc reviewer  |
| 2016         | “European Journal of Anaesthesiology,” Ad Hoc reviewer  |
| 2015-present | “Pediatric Critical Care Medicine,” Ad Hoc reviewer   |
| 2015         | Ad Hoc reviewer for Pediatric Heart Failure Symposium Manuscripts (Author: Ronald Bronicki, MD) , Ad Hoc reviewer   |
| 2014-present | “Cardiology in the Young,” Ad Hoc reviewer  |
| 2013         | Ad Hoc editor for the “Guidelines for training in pediatric cardiac intensive care during pediatric cardiology fellowship” (Authors: Peter Laussen MD and Stephen J. Roth MD, MPH), Ad Hoc reviewer |
| 2010         | “Congenital Heart Disease,” Ad Hoc reviewer   |

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2011-present “Pediatric Anesthesia,” Ad Hoc reviewer

**X. Grants/Directed Donations**

- 09/19-06/23 National Institutes of Health, R01: Smart and Connected Health Grant Number: SPO: 140704, Virtual Cardiovascular Surgery Simulator. PI: Alison Marsden PhD, Lead Clinical Investigator and Collaborator: David M. Axelrod MD
- 06/19-02/20 U.S. Department of Education SBIR Phase I Grant Number: 91990019C0032, Verdant VR: Genetics in Mendel’s pea garden; using virtual reality to teach the science of genetics. PI: David Sarno, Medical Advisor/Subject Matter Expert: David M. Axelrod MD
- 06/19-11/19 NIH SBIR Grant Number: 1R44GM133244-01, Visceral VR: Immersive Human Biology for the Study of Health and Disease; using virtual reality to pioneer an immersive new approach to teaching hands-on scientific investigation—starting with the science of nutrition. PI: David Sarno, Medical Advisor/Subject Matter Expert: David M. Axelrod MD.
- 2018-2019 Stanford Vice Provost for Teaching and Learning (VPTL) Innovation Grant (matched by Stanford Child Health Research Institute): Blending Virtual reality and Web-based Learning for Congenital Heart Disease Education. Co-PI.
- 2017-2018 Stanford Vice Provost for Teaching and Learning (VPTL) Teaching with technology for Online Course Development Workshop and Grant recipient. Co-PI.
- 2016-2019 Oculus/Facebook funding of virtual reality congenital heart disease program: Financial donation and in-kind gifts donated to LPFCH and the Children’s Heart Center under my direction. Co-PI.
- 2010-2014 Lucile Packard Children’s Hospital Stanford Heart Center Research Grant: Supporting the randomized, placebo-controlled, double blinded study of aminophylline to prevent acute kidney injury after cardiopulmonary bypass. PI.

**XI. University Administrative Service**

**a. Committee Service**

- 2015-present Stanford Pediatric Critical Care Medicine Research Grant Reviewer
- 2014-2015 Performance Improvement Panel for an LPCHS physician
- 2014-2017 Pediatric Cardiology Fellowship Program Milestone Committee Member
- 2013-2019 Stanford University School of Medicine, Lane Library Clinical Liaison
- 2011-2016 Lucile Packard Children’s Hospital Heart Center Simulation Program, Assistant Director
- 2010 Lucile Packard Children’s Hospital Code Committee, Fellow Representative
- 2009 Lucile Packard Children’s Hospital Heart Center Simulation Program  
Fellow Representative
- 2009-2019 Lucile Packard Children’s Hospital Cardiovascular Intensive Care Unit  
Nursing Orientation Simulation Instructor
- 2008-2009 Lucile Packard Children’s Hospital Heart Center Education Committee  
Fellow Representative
- 2004-2005 University of California, San Francisco  
Pediatric Resident Chair, Curriculum Committee

**b. Leadership Roles**

- 2020-present Leader, Faculty Mentor, Morbidity and Mortality (M&M) Review, Betty Irene Moore Children’s Heart Center at Stanford
- 2017-present Creator and Director, [The Stanford Virtual Heart Pilot Program](#): a consortium of 30+ international programs (on six continents) using the VR software for teaching, training, education, and patient care. See map of Pilot centers [here](#).
- 2016-2018 Course Director: Stanford Pulmonary Artery Reconstruction and Right Ventricular Rehabilitation Symposium ([Link](#) to April 2018 CME Conference)
- 2015-present Co-Director: Pediatric Cardiology Fellows’ Boot Camp
- 2015-2018 Medical Director: LPCHS CVICU Consult Service
- 2014-2018 CVICU Liaison to the Fetal Heart Center at LPCHS



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- 2015 Faculty Mentor: Med 223 Presentation by Stephanie Siehr, MD: “Cardiopulmonary Interactions”
- 2014 Lucile Packard Children’s Hospital Pediatric CVICU Nurses’ Lecture Series: Cyanosis
- 2013 Lucile Packard Children’s Hospital Pediatric CVICU Nurses’ Lecture Series: Cardiopulmonary interactions
- 2013-2014 Lucile Packard Children’s Hospital Pediatric Cardiology Fellows’ Lecture Series: Epidemiology of Congenital Heart Disease
- 2013-2014 Lucile Packard Children’s Hospital Pediatric Cardiology Fellows’ Lecture Series: Cyanosis
- 2012-2018 Journal Club Leader, Division of Pediatric Cardiology, Lucile Packard Children’s Hospital

**XII. Service to Professional Organizations**

**a. Leadership**

- 2019-2021 Track Chair: Artificial Intelligence, Technology, and Data Analytics, World Congress of Pediatric Cardiology and Cardiac Surgery, 2021
- 2018 Member, Program Committee for PCICS 2018 Conference
- 2017 Volunteer Physician and Supervisor: Standing Rock, North Dakota Medic Healers Council
- 2017 Member, Program Committee for PCICS 2017 Conference
- 2013-4 Member, Program Committee for PCICS 2014 Conference
- 2010-2013 Liaison to the Board, Pediatric Cardiac Intensive Care Society
- 2011-2020 Board Member, Barth Syndrome Foundation

**b. Membership**

- 2012-present Western Society of Pediatric Cardiology member
- 2011-present Stanford Cardiovascular Research Institute (CVRI)
- 2008-present Pediatric Cardiac Intensive Care Society (PCICS)
- 2006-2012 American College of Cardiology
- 2005-2016 American Academy of Pediatrics
- 2002-present Alpha Omega Alpha
- 2002-2011 American Medical Association

**XIII. International and Regional Meetings**

**a. Invited Presentations**

- 2020 “Avoiding Common Junior Faculty Pitfalls,” Fellows and Junior Faculty Session, Pediatric Cardiac Intensive Care Society 16<sup>th</sup> International Meeting, Online.
- 2020 “The Future of Clinical Education and Simulation,” The Future of the CICU Session, Pediatric Cardiac Intensive Care Society 16<sup>th</sup> International Meeting, Online.
- 2020 Virtual Reality Session – An in-VR meeting and presentation at The Pediatric Cardiac Intensive Care Society 16<sup>th</sup> Annual International Meeting. Online, and in-VR at AltspaceVR.
- 2020 “Virtual, Augmented, & Extended Reality in Education,” Critical Care Conference, Society of Critical Care Medicine Midwest Chapter, Chicago, IL (Virtual Zoom Conference).
- 2019 Cardiac Diagnoses That Require Intervention: Coarctation of the Aorta in Hospital Medicine, 9<sup>th</sup> Annual Pediatric Hospital Medicine “Concepts and Conundrums” Symposium, Denver CO.
- 2019 Knowledge Future 2019: VR in Congenital Heart Disease, Healthcare, and STEM Education (One of 20 Stanford University Faculty selected to speak at the event), Stanford, CA.
- 2019 AIMed Cardiology 2019: Artificial Intelligence in Medicine and Healthcare; “Virtual Reality, Artificial Intelligence, and Cardiology,” Chicago, IL.
- 2019 American Association for Thoracic Surgery Annual Meeting: “Virtual Reality for Congenital Heart Disease: Present and Future,” Toronto, ON, Canada (telepresentation).
- 2019 Virtual Medicine (vMed) 2019: “Educating and Engaging Patients through Virtual Reality,” Cedars-Sinai Medical Center, Los Angeles, CA.
- 2019 PARC (Palo Alto Research Center) Forum presentation: “Creating a New Reality for Learning: VR and the Future of Healthcare and Science Education.” Palo Alto, CA.
- 2019 Congenital Cardiac Anesthesia Society (CCAS) 2019; “Virtual Reality and the Future of Healthcare.” Invited presentation and workshop leader. Houston, TX.

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- 2018 ATXpo 2018, IdeaLab presentation. “The Stanford Virtual Heart: Blending Virtual Reality and Web-based Learning for Congenital Heart Disease Education.” University of San Francisco, San Francisco, CA.
- 2018 Stanford Center for Education and Professional Development Course Presentation. “Virtual Reality: A Smart New World,” Palo Alto, CA.
- 2018 Featured presentation and interview, Stanford Vice Provost of Teaching and Learning (VPTL) Teaching with Technology (TwT) course website: “How can we develop and teach a VR course in congenital heart disease?” ([link](#)). Stanford, CA.
- 2018 Invited presenter: Stanford Clinical Summer Internship (High School Students), “The Stanford Virtual Heart.” Stanford, CA.
- 2018 “Power up the Future/Teen Takeover.” Invited panelist at The Computer History Museum. #CHMTenTakeover; ([link](#)), Mountain View, CA.
- 2018 “How can we develop and teach a virtual reality course in congenital heart disease?” Stanford Vice Provost for Teaching and Learning (VPTL) Teaching with Technology (TwT) Spring Share Event: Stanford, CA.
- 2018 Pediatric Innovation Showcase: Lucile Packard Children’s Hospital Stanford; featured as a leading pediatric health entrepreneur. Stanford, CA.
- 2018 “I wish I had that when I was in med school”: VR Education and the Future of Healthcare, Pediatric Grand Rounds, Medical Center Wisconsin/Herma Heart Institute, Milwaukee, WI.
- 2018 Engineering and Computer Science Developments: Virtual Reality and Healthcare Education, Institute for Computational and Mathematical Engineering (ICME) Capstone Presentation, Stanford, CA.
- 2018 “I wish I had that when I was in med school”: VR Education and the Future of Healthcare, Pediatric Grand Rounds, University of Nebraska Medical Center, Omaha, NE.
- 2018 “I wish I had that when I was in med school”: The Stanford Virtual Heart: 21<sup>st</sup> Century Education in Healthcare and Sciences, 11<sup>th</sup> Center for Immersive and Simulation-based Learning (CISL) Symposium, Stanford, CA.
- 2018 The Stanford Center for Image System Engineering (SCIEN): Workshop on Medical VR and AR: Invited presentation on The Stanford Virtual Heart, Stanford, CA.
- 2018 The Influencer Series: Session Roundtable Leader: “VR, Healthcare, and Education,” Menlo Park, CA.
- 2018 Panelist (3): Innovation in neonatal cardiac care—Virtual Reality; Cardiopulmonary Balancing Act; Hemodynamic Challenges in the Neonate  
Speaker: “Cost of Pediatric Cardiac Care: Return on investment?”  
Neoheart 2018, Fort Worth, TX.
- 2018 “I wish they had that when I was in med school: VR education and the future of healthcare,” VR in Healthcare Symposium, Harvard Medical School, Boston, MA.
- 2018 Workshop Facilitator: Surgical Training and Virtual Reality, VR in Healthcare Symposium, Harvard Medical School, Boston, MA
- 2018 “Virtual Reality and Surgery” Breakout session, moderator, Wearable Tech + Digital Health + Neurotech Silicon Valley, Stanford University, Stanford, CA.
- 2018 “I wish I had that in med school: Virtual Reality Learning in Healthcare and the Sciences,” Speaker, ApplySci Wearable Tech + Digital Health + Neurotech Silicon Valley, Palo Alto CA; ([link](#)).
- 2017 “Improving Healthcare Education Through Virtual Reality,” Expert Panelist, Oculus Connect 4, San Jose, CA; [Panel weblink here](#).
- 2017 “The Stanford Virtual Heart: Educating Medical Professionals in the 21<sup>st</sup> Century,” VRBase Keynote, Amsterdam, Holland.
- 2017 W2O Group (Healthcare Consulting) Keynote: “The Stanford Virtual Heart: Educating Medical Professionals in the 21<sup>st</sup> Century,” San Francisco, CA.
- 2017 Western Society of Pediatric Cardiology Conference: “Hands-on Demo: The Stanford Virtual Heart,” Seattle, WA.

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- 2017 Pediatric Grand Rounds: Department of Pediatrics, Lucile Packard Children's Hospital Stanford. "Caring for the Resistance: Experiences at Standing Rock, North Dakota", Stanford, CA.
- 2017 Pediatric Academic Society Meeting  
Technology Innovation in Pediatrics: Virtual Reality Congenital Heart Disease Education "The Stanford Virtual Heart: Educating Medical Professionals in the 21<sup>st</sup> Century," San Francisco, CA.
- 2017 Pediatric Grand Rounds, Zuckerberg San Francisco General Hospital Department of Pediatrics "Caring for the Resistance: Experiences at Standing Rock, North Dakota," San Francisco, CA.
- 2017 Stanford Big Data in Biomedicine Conference: featured demonstration and interview ([link](#)): "The Stanford Virtual Heart: Educating Medical Professionals in the 21<sup>st</sup> Century," Stanford, CA.
- 2017 Johns Hopkins Center for Talented Youth Science, featured speaker: "Pediatric Cardiology, a career with science, technology, and taking care of kids," Stanford, CA.
- 2017 Stanford MedX: Workshop presentation: "The Stanford Virtual Heart: A 3D Virtual Reality Congenital Heart Disease Atlas"; ([link](#)), Stanford, CA.
- 2017 CeBIT (International European Technology Conference) Keynote: "The Stanford Virtual Heart: Educating Medical Professionals in the 21<sup>st</sup> Century." See: [CeBIT](#), Hannover, Germany.
- 2017 Pediatric Grand Rounds, University of California San Francisco, Benioff Children's Hospital Department of Pediatrics: "Caring for the Resistance: Experiences at Standing Rock, North Dakota," San Francisco, CA.
- 2016 8<sup>th</sup> World Congress on Pediatric Intensive and Critical Care  
Speaker: "Cardiac Critical Care: Single Ventricle Norwood Management," Toronto, ON, Canada
- 2015 Pediatric Grand Rounds, Kaiser Permanente Medical Center  
"Pediatric Cardiac Emergencies," Oakland, CA.
- 2013 Advances in Fetal and Neonatal Care: "Frontiers in Hypoplastic Left Heart Syndrome: The Fetus, the Child, and Beyond." Stanford, CA.
- 2013 Clinical Concepts and Conundrums in Pediatric Hospital Medicine, Denver Children's Hospital, "Pediatric Cardiac Emergencies, Denver, CO.
- 2012 Invited co-organizer and co-moderator: Junior Faculty/Fellow Reception, PCICS 2012, Miami, FL.
- 2012 Case presentation: "Arrhythmias in the CVICU," PCICS 2012, Miami, FL.
- b. Other Presentations**
- 2021 PCICS Podcast: Episode 53: Virtual Reality Applications in Cardiac Education. <https://podcasts.apple.com/us/podcast/episode-53-virtual-reality-applications-in-cardiac/id1253068670?i=1000547923364>
- 2021 PCICS Podcast: Episode 48: Junior Faculty Pearls and Pitfalls. <https://podcasts.apple.com/us/podcast/episode-48-junior-faculty-pearls-and-pitfalls/id1253068670?i=1000540381784>
- 2020 Featured Expert: Doximity/American Heart Association, "Ask Me Anything," Online location: <https://www.doximity.com/newsfeed/27691905-c5b4-4a84-9989-7735d9bb4044>
- 2020 Stanford University Undergraduate Introductory Seminar ("Introsem"): Comparative Anatomy, Congenital Heart Disease, and Virtual Reality, Stanford, CA.
- 2020 Stanford University Undergraduate Introductory Seminar ("Introsem"): Virtual Reality in Medicine, Pediatric Cardiology, and Cell Biology, Stanford, CA.
- 2019 Successful Virtual Reality Cardiopulmonary Resuscitation Training in Schools: Digitally Linking a Physical Manikin to a Virtual Lifesaving Scenario, Invited Poster Presentation, American Heart Association Resuscitation Science Symposium; Philadelphia, PA. <https://vimeo.com/355390646>
- 2019 PEDS 227 – Introduction to Pediatric Specialties, Stanford School of Medicine, Stanford, CA.
- 2019 Stanford EXPLORE Summer program: Virtual Reality in healthcare and science education, Stanford, CA.

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- 2017 Pediatric Cardiac Intensive Care Society, Session Moderator: “Necessity is the Mother of Innovation,” Washington, D.C.
- 2016 Pediatric Cardiac Intensive Care Society, Session Moderator: Single Ventricle Palliation, Miami, FL.
- 2016 Western Society of Pediatric Cardiology Conference, Panelist: Fellow Interesting Case Presentations, Park City, UT.
- 2014 Pediatric Cardiac Intensive Care Society, Session Moderator: Immunologic and Infectious Diseases in the CICU, Miami, FL.
- 2014 Pediatric Cardiac Intensive Care Society, Abstract Reviewer and Moderator for Poster Session, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Advance Directives in Adult Congenital Heart Disease, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Acute Kidney Injury in Patients Undergoing the Extracardiac Fontan Procedure, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Dexmedetomidine is Associated with Lower Rates of Acute Kidney Injury in Congenital Heart Surgery, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Interstage Nutritional Interventions Improve Growth and Shorten Length of Stay in Norwood Patients Undergoing Glenn at Four Months of Age, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Case Study: A Novel Approach to the Management of Neonatal Ebstein’s Disease: Venovenous ECMO to Allow Right Ventricular Recovery, Miami, FL.
- 2014 Poster, Pediatric Cardiac Intensive Care Society: Case Study: The Borderline Left Heart, Miami, FL.
- 2013 Poster and Abstract: Initial Experience with Aminophylline to treat Acute Kidney Injury in the Cardiovascular Intensive Care Unit. Western Society of Pediatric Cardiology, Monterey, CA.
- 2013 Abstract: “Predictors of Mortality in Pediatric Patients on Venous-arterial Extracorporeal Membrane Oxygenation.” American College of Cardiology, 2013, San Francisco, CA.
- 2012 Abstract Presentation, Professor Rounds: “Initial experience using aminophylline to modulate renal dysfunction in the pediatric cardiovascular intensive care unit,” PCICS, Miami, FL.

### c. CME and Educational Courses Attended

- 2023 The Healer’s Art (Stanford University School of Medicine, FAMMED 210)
- 2020 Pediatric Cardiac Intensive Care Society (PCICS), 16<sup>th</sup> International Meeting, Online
- 2019 Oculus Connect 6, San Jose, CA
- 2019 Clinical Concepts and Conundrums in Pediatrics, Denver, CO
- 2019 AIMed, Chicago, IL
- 2019 Congenital Cardiac Anesthesia Society (CCAS), Houston, TX
- 2018 Oculus Connect 5, San Jose, CA
- 2018 Stanford Pulmonary Artery Reconstruction and Right Ventricular Rehabilitation Symposium (Course Director), Palo Alto, CA
- 2018 Neoheart, Fort Worth, TX
- 2017 Pediatric Cardiac Intensive Care Society, Washington, D.C.
- 2017 Oculus Connect 4, San Jose, CA
- 2017 World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, Spain
- 2017 Pediatric Academic Society Meetings, San Francisco, CA
- 2017 Stanford Med-X Conference, Palo Alto, CA
- 2017 Western Society of Pediatric Cardiology, Seattle, WA
- 2017 CeBIT: European International Technology Conference, Hannover, Germany
- 2016 Pediatric Cardiac Intensive Care Society, Miami, FL
- 2016 Stanford Neuro-NICU Training Course, Stanford, CA
- 2016 8<sup>th</sup> World Congress on Pediatric Intensive and Critical Care, Toronto, ON
- 2016 Western Society of Pediatric Cardiology, Park City UT
- 2015 Pediatric Heart Failure Symposium, San Diego, CA

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2014 Pediatric Cardiac Intensive Care Society, Miami, FL  
2013 Western Society of Pediatric Cardiology, Monterey CA  
2012 Pediatric Cardiac Intensive Care Society, Miami, FL  
2012 Evolving Concepts in the Management of Complex Congenital Heart Disease, San Diego, CA