

CURRICULUM VITAE

Date Prepared: January 5, 2021

I. PERSONAL INFORMATION: Alaina Kathryn Kipps

Clinical Associate Professor
Department of Pediatrics
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II. ACADEMIC HISTORY

UNIVERSITIES ATTENDED:

- 8/95-6/99 Honors B.S. in Psychobiology, University of Southern California, Los Angeles, CA
- 8/99-6/03 M.D., Harvard University, Boston, MA
- 7/13-5/16 M.S. in Epidemiology, Harvard School of Public Health, Boston, MA

RESIDENCY AND FELLOWSHIP TRAINING

- 6/03-7/06 Internship and Residency in Pediatrics, Stanford University School of Medicine, Palo Alto, CA
- 7/06-7/09 Fellowship in Pediatric Cardiology, Children’s Hospital Boston, Boston, MA

CERTIFICATES

- 7/08-8/08 Summer Program in Clinical Effectiveness, Harvard School of Public Health
- 10/15-3/16 Stanford Clinical Effectiveness Leadership Training, Certificate of Achievement
- 9/17-6/18 Stanford Honors Scholars Certificate Program in Medical Education

III. BOARD CERTIFICATIONS

- 2006 Certified, American Board of Pediatrics
- 2010 Certified, Sub-Board of Cardiology, American Board of Pediatrics
- 2016 Re-certified, American Board of Pediatrics

IV. PROFESSIONAL APPOINTMENTS:

8/2009-7/2010 Instructor in Pediatrics, UCSF
7/2010-3/2012 Assistant Clinical Professor of Pediatrics, UCSF
3/2012-3/2019 Clinical Assistant Professor of Pediatrics, Stanford
3/2019-current Clinical Associate Professor of Pediatrics, Stanford

V. HONORS AND AWARDS:

6/1995: Valedictorian of Santa Cruz High School, Class of 1995
7/1995: Junior Olympic Gold Medalist, Volleyball
11/1997: Academic All-American
5/1998: Phi Beta Kappa
5/1998: Phi Kappa Phi
5/1998: Golden Key National Honor Society
6/1998-6/99: Pediatric AIDS Institute student research scholarship
5/1999: Valedictorian of USC, Class of 1999
7/99-7/00: Phi Kappa Phi Graduate fellowship
7/99-7/00: NCAA Post-graduate scholarship
6/2016: "Dedication to Excellence" teaching award from the pediatric residents for the Purple Team Cardiology rotation
8/2016: Stanford Medicine X | Health Care Design Awards in the *Collaboration in Health Care* for Purple Team Scheduled Based Family Centered Rounds Design and Implementation
9/2016: Stanford Medicine X | Health Care Design Awards – Grand Prize (best among all categories) for Purple Team Scheduled Based Family Centered Rounds Design and Implementation
5/2018: Hospital Council of Northern and Central California Innovation Challenge winner for "Innovations in Family Centered Care: Adventures in Building an Inpatient Rounding Schedule"
6/2018: "Dedication to Excellence" teaching award from the pediatric residents for the Purple Team Cardiology rotation
9/2018: AHA 2019 Young Hearts (CVDY) Outstanding Research Award in Pediatric Cardiology (Senior author for the abstract selected for this award).
9/2019: Scheduled Based Family Centered Rounds named as a Magnet program Exemplar when LPCH gained Magnet recognition for first time.
9/2019: AHA 2019 Young Hearts (CVDY) Outstanding Research Award in Pediatric Cardiology (Senior author for the abstract selected for this award).

VI. BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS

1. **Kipps AK**, Ramamoorthy C, Rosenthal D, Williams, G. Children with cardiomyopathy: complications of noncardiac procedures with general anesthesia. *Pediatric Anesthesia* 2007, 17 (8): 775-781.
2. **Kipps AK**, Alexander M, Colan S, Gauvreau K, Smoot L, Crawford L, Darras B, Blume E. The Longitudinal Course of Cardiomyopathy during childhood in Friedreich's Ataxia. *Pediatric Cardiology* 2009, 30 (3): 306-10.
3. **Kipps AK**, McElhinney DB, Kane J, Rhodes J. Exercise function of children with congenital aortic stenosis following aortic valvuloplasty during early infancy. *Congenital Heart Disease* 2009, 4(4): 258-64.
4. **Kipps AK**, Wypij D, Thiagarajan RR, Bacha EA, Newburger JW. Blood transfusion prolongs duration of mechanical ventilation in infants undergoing cardiac surgery. *Pediatric Critical Care Medicine* 2011, 12 (1): 52-56.
5. **Kipps AK**, Graham D, Harrild DM, Lewis E, Powell AJ, Rhodes J. Longitudinal Exercise Capacity of Patients With Repaired Tetralogy of Fallot. *American Journal of Cardiology* 2011, 108 (1): 99-105.
6. **Kipps AK**, Feuille C, Azakie A, Hoffman JIE, Tabbutt S, Brook MM, Moon-Grady AJ. Prenatal diagnosis of Hypoplastic Left Heart Syndrome in the Current Era. *American Journal of Cardiology* 2011, 108 (1): 421-427.
7. **Kipps AK**, Powell AJ, Levine JC. Association of Right Ventricle Dependent Coronary Circulation and Coronary Ostial Atresia with Muscular Infundibular Atresia in Pulmonary Atresia with Intact Ventricular Septum. *Congenital Heart Disease*, 2011 (6): 444-450.
8. Bryne FA, Lee H, **Kipps AK***, Brook MM, Moon-Grady AJ. Echocardiographic Risk Stratification of Fetuses with Sacrococcygeal Teratoma and Twin-Reversed Arterial Perfusion. *Fetal Diagnosis and Therapy* 2011; 30(4): 280-288.
9. Bui YK, **Kipps AK***, Brook MM, Moon-Grady AJ. Right ventricular myocardial performance index determined by tissue Doppler is superior to pulse wave measurements in human fetal hearts. *Amer J of Obstetrics and Gynecology* 2012; 206(1): S178.
10. **Kipps AK**, Graham D Lewis E, Marx GR, Banka P, Rhodes J. Natural History of Exercise Function in Patients with Ebstein's Anomaly: A Serial Study. *American Heart Journal*. 2012; 163(3): 486-91.
11. Lowenthal A, **Kipps AK***, Brook MM, Meadows J, Azakie A, Moon-Grady AJ. Prenatal diagnosis of atrial restriction in hypoplastic left heart syndrome is associated with decreased 2-year survival. *Prenatal Diagnosis*. 2012; 32(5): 485-90.

12. Bui YK, **Kipps AK***, Brook MM, Moon-Grady AJ. Tissue Doppler Is More Sensitive and Reproducible than Spectral Pulsed-Wave Doppler for Fetal Right Ventricle Myocardial Performance Index Determination in Normal and Diabetic Pregnancies. *J Am Soc Echocardiogr.* 2013; 26(5): 507-14.
13. Smith BM, Ezeokoli NJ, **Kipps AK***, Azakie A, Meadows JJ. Course, Predictors of Diaphragm Recovery After Phrenic Nerve Injury During Pediatric Cardiac Surgery. *Ann Thorac Surg.* 2013; 96(3): 938-42.
14. Landman G, **Kipps A***, Moore P, Teitel D, Meadows J. Outcomes of a modified approach to transcatheter closure of perimembranous ventricular septal defects. *Catheter Cardiovasc Interv.* 2013; 82(1):143-9.
15. Lowenthal A, Lemley B, **Kipps AK***, Brook MM, Moon-Grady AJ. Prenatal tricuspid valve size as a predictor of postnatal outcome in patients with severe pulmonary stenosis or pulmonary atresia with intact ventricular septum. *Fetal Diagn Ther.* 2014; 35(2):101-7.
16. Arunamata A, Perry SB, **Kipps AK***, Vasanaawala SS, 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):161-163.
17. Goel V, Poole S, **Kipps A**, Palma J, Platchek T, Pageler N, Longhurst C, Sharek P. Implementation of Data Drive Heart Rate and Respiratory Rate parameters on a Pediatric Acute Care Unit. *Stud Health Tech Inform.* 2015; 216: 918.
18. Sheth, S, McCarthy E, **Kipps AK***, Wood M, Roth SJ, Sharek P, Shin A. Changes in Efficiency and Safety Culture after Integration of an iPASS Supported Handoff Process. *Pediatrics* 2016; 137(2) e20150166. **I was a key member in the design and execution of the quality improvement process, I participated in and helped collect the survey data, and did critical revision of the manuscript.*
19. Balasubramanian S, **Kipps AK***, Smith SN, Tacy TA, Tierney ESS. Pediatric Echocardiography by Work Relative Value Units - Is Study Complexity Adequately Captured? *J. American Soc of Echo* 2016 July 9 (PMID 27405593). **I helped with study design, did key echocardiographic data acquisition, and revised the manuscript.*
20. Stauffer KJ, Arunamata AA, Vasanaawala SS, Behara SK, **Kipps AK***, Silverman NH. Decompressing vein and bilateral superior vena cavae in a patient with hypoplastic left heart syndrome. *Echocardiography* 2016; 00: 1–4. doi: 10.1111/echo.13292 **In this case report I participated in manuscript revision and analysis of the imaging data.*
21. Arunamata AA, McElhinney DB, Shin AY, Axelrod DM, Hanley FL, Reddy VM, Olson IL, **Kipps AK***, Roth SJ, Tierney ES. Practice Patterns in Postoperative Echocardiographic Surveillance in Children after Congenital Heart Surgery: A Single Center Experience. *Journal of Pediatrics* 2017 Jan; 180: 87-91. **I helped with study design, did key echocardiographic data acquisition, and revised the manuscript.*

22. **Kipps AK**, Poole SF, Slaney C, Feehan S, Longhurst CA, Sharek PJ, Goel VV. Inpatient-Derived Vital Sign Parameters Implementation: An Initiative to Decrease Alarm Burden. *Pediatrics*. 2017 Aug; 140(2).
23. **Kipps AK**, Cassidy SC, Strohacker CM, Graoupe M, Bates KE, McLellan MC, Harahsheh AS, Hanke SP, Tanel RE, Schachtner SK, Gaies M, Madsen N. Collective quality improvement in the Pediatric Cardiology Acute Care Unit: Establishment of the Pediatric Acute Care Cardiology Collaborative (PAC3). *Cardiology of the Young*. 2018 Aug; 28 (8): 1019-1023.
24. Algaze CA, Shin AY, Nather C, Elgin KH, Ramamoorthy C, Kamra K, **Kipps AK***, Yarlagadda VV, Sacks LD, Mafla MM, Vashist T, Krawczeski CD, Sharek PJ. Applying Lessons from an Inaugural Clinical Pathway to Establish a Clinical Effectiveness Program. *Pediatric Quality and Safety*. 2018 Oct 31; 3(6): e115. **I was a key member in the design and execution of the quality improvement process and did critical revision of the manuscript.*
25. Peng DM, **Kipps AK***, Palmon M, Tacy TA, Peng LF, Hollander SA, McElhinney DB. Utility of Screening Echocardiogram After Endomyocardial Biopsy for Identification of Cardiac Perforation or Tricuspid Valve Injury. *Pediatr transplant*. 2018 Nov; 22(7): e13275. **I helped with study design, did key echocardiographic data acquisition, and revised the manuscript.*
26. Taylor AC, Bates KE, **Kipps AK**. Variability in Pediatric Cardiac Post-operative Chest tube Management. *Cardiology in the Young*, 2018 Dec; 28(12): 1471-1474.
27. Gaies M, Anderson J, **Kipps AK***, Lorts A, Madsen N, Marino B, Costello JM, Brown D, Jacobs JP, Kasnic D, Lihn S, Lannon C, Margolis P, Pearson GD, Kaltman J, Charpie JR, Redington AN, Pasquali SK; Cardiac Networks United Executive Committee and Advisory Board. Cardiac Networks United: an integrated paediatric and congenital cardiovascular research and improvement network. *Cardiology of the Young*. 2018 Dec 20: 1-8. **I participated in the initial meetings to create this collaborative and did critical revision of the manuscript.*
28. Dykes JC, **Kipps AK***, Chen A, Nourse S, Rosenthal DN, Selamet Tierney ES. Parental Acquisition of Echocardiographic Images in Pediatric Heart Transplant Patients Using a Handheld Device: A Pilot Telehealth Study. *J Am Soc Echocardiogr*. 2019 Mar; 32(3): 404-411. **I helped with study design, did all echocardiographic data acquisition, and critically revised the manuscript.*
29. Hoerst A, Bakar A, Cassidy SC, Clabby M, DelGrippo E, Graupe M, Harahsheh A, Hart SA, Hlavacek AM, **Kipps AK***, Madsen NL, O'Neil DD, Patel SS, Strohacker CM, Tanel RE. Variation in Care Practice Across Pediatric Acute Care Cardiology Units: Results of the Pediatric Acute Care Cardiology Collaborative (PAC³) hospital survey. *Congenit Heart Dis*. 2019 May: 419-426. **I helped with study design, participated in survey design and implementation, and critically revised the manuscript.*
30. Cox K, Arunamata A, Krawczeski CD, Reddy C, **Kipps AK**, Long J, Roth SJ, Axelrod DM, Hanley F, Shin A, Tierney ESS. "Echo Pause" for Postoperative Transthoracic Echocardiographic Surveillance. *Echocardiography* 2019 Nov; 36(11): 2078-85

31. ACC/AHA/ASE/HRS/ISACHD/SCAI/SCCT/SCMR/SOPE 2020 Appropriate Use Criteria for Multimodality Imaging During the Follow-Up Care of Patients With Congenital Heart Disease: A Report of the American College of Cardiology Solution Set Oversight Committee and Appropriate Use Criteria Task Force, American Heart Association, American Society of Echocardiography, Heart Rhythm Society, International Society for Adult Congenital Heart Disease, Society for Cardiovascular Angiography and Interventions, Society of Cardiovascular Computed Tomography, Society for Cardiovascular Magnetic Resonance, and Society of Pediatric Echocardiography. Writing Group, Sachdeva R, Valente AM, Armstrong AK, Cook SC, Han BK, Lopez L, Lui GK, Pickard SS, Powell AJ; Rating Panel, Bhave NM, Sachdeva R, Valente AM, Pickard SS, Baffa JM, Banka P, Cohen SB, Glickstein JS, Kanter JP, Kanter RJ, Kim YY, **Kipps AK**, Latson LA, Lin JP, Parra DA, Rodriguez FH 3rd, Saarel EV, Srivastava S, Stephenson EA, Stout KK, Zaidi AN. *J Am Coll Cardiol*. 2020 Feb 18; 75(6): 657-703.
32. **Kipps AK**, Albert MS, Bomher S, Cheung S, Feehan S, Kim J. Schedule-Based Family-Centered Rounds: A novel approach to achieve high nursing attendance and participation. *Pediatric Quality and Safety*, 2020 Mar 13; 5(2): e265.
33. Bates KE, Khadr L, Donohue J, Crawford K, Gaies MG, Graupe M, Hanke S, Hlavacek A, Madsen N, Morell E, Pasquali SK, Russel JL, Schachtner SK, Tanel R, Ware AL, **Kipps AK**. Variability in Chest Tube Duration and Length of Stay across Centers in the Pediatric Acute Care Cardiology Collaborative (PAC³) and Pediatric Cardiac Critical Care Consortium (PC⁴). *Annals of Thoracic Surgery*. 2020 Jul; 110(1): 221-227
34. Almond CS, Chen S, Dykes JC, Kwong J, Burstein D, Rosenthal D, **Kipps AK**, Teuteberg J, Murray J, Kaufman BD, Hollander SA, Profita E, Yarlagadda V, Sachs L, Chen CY. An acute heart failure symptom score for children hospitalized with acute decompensated heart failure. *Journal of Heart and Lung Transplant* Aug 2020.
35. Hart SA, Tanel RE, **Kipps AK**, Kolb A, Graupe, M, Cassidy SC, Hlavacek A, Clabby ML, Bush L, Zhang W, Banerjee M, Pasquali SK, Gaies MG, Madsen N. Impact of intensive care unit and acute care unit length of stay on total length of stay following congenital heart surgery: A joint PC⁴ and PAC³ multicenter analysis. *Annals of Thoracic Surgery*. 2020 Oct; 110(4): 1396-1403
36. Willis AJ, Hoerst A, Hart SA, Holbein D, Lowery K, Harahsheh AS, **Kipps AK**, Madsen N, Patel SS, Tanel RE; Paediatric Acute Care Cardiology Collaborative (PAC3). The added value of the advanced practice provider in paediatric acute care cardiology. *Cardiology in the Young*. 2020 Nov 4:1-4
37. Shin AY, Loh L, Sharek PJ, Bassett H, Mafla M, Presnell L, Komra K, Kim J, Steffen KM, **Kipps AK**, Maeda K, Algaze CA. Target Based Care: An Intervention to Reduce Variation in Postoperative Length of Stay. *Journal of Pediatrics* 2021 Jan;228: 208-212.

NON-PEER REVIEWED ARTICLES

1. **Kipps AK**, Lee H. Visual Diagnosis: Newborn who has Respiratory Distress. *NeoReviews* 2005 6:e49
2. **Kipps AK**, Silverman N. Historical Perspectives: Introduction of Ultrasonography in Neonatal Cardiac Diagnosis. *NeoReviews* 2005 6:e315

BOOK CHAPTERS

1. **Kipps AK**, Robertson L: Disorders of the Heart. pp 492-518. In: Cabana M, Haftel HM, Kaiser K, O'Brien JS, eds. *Rudolph's Pediatrics, 22nd Edition, Self-Assessment and Board Review*. New York, NY: McGraw-Hill; 2014.
2. Purkey N, Reddy C, **Kipps AK**. Clinical Approach to Common Complaints in Cardiology. In: Dean T, Bell LM eds. *Nelson Pediatrics Board Review 1st Edition – Certification and Recertification*. Elsevier; 2018.
3. Reddy C, Purkey N, **Kipps AK**. Structural Heart Disease In: Dean T, Bell LM eds. *Nelson Pediatrics Board Review 1st Edition – Certification and Recertification*. Elsevier; 2018.
4. Purkey N, Reddy C, **Kipps AK**. Acquired Heart Disease In: Dean T, Bell LM eds. *Nelson Pediatrics Board Review 1st Edition – Certification and Recertification*. Elsevier; 2018.
5. Reddy C, Purkey N, **Kipps AK**. Selected Topics in Cardiology In: Dean T, Bell LM eds. *Nelson Pediatrics Board Review 1st Edition – Certification and Recertification*. Elsevier; 2018.

DIGITAL PUBLICATIONS

1. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 1 Normal Echoplane correlations. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.
2. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 2 Inter-Atrial Communications. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.
3. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 3 Atrioventricular Septal Defects (AV Canal Defects). In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.
4. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 4 Ventricular Septal Defects. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.
5. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 5 Patent Arterial Duct and other Aortopulmonary Shunts. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.

6. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 6 Anomalous Pulmonary Venous Return. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. Sept 1, 2017.
7. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 7 Tetralogy of Fallot. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. April 1, 2018.
8. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 8 Truncus Arteriosus. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. April 1, 2018.
9. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 9 Transposition. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. August 2019.
10. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 10 Congenitally Corrected Transposition. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. March 2020.
11. Silverman NH, Anderson RH, Ursell P, Spicer D, **Kipps AK**: Chapter 11 Double outlet right ventricle. In Echocardiographic and Pathological Correlations in Congenital Heart Disease. Md1World.com. December 2020.

ABSTRACTS

1. **Kipps AK**, Alexander M, Colan S, Gauvreau K, Smoot L, Crawford L, Darras B, Blume E. The Longitudinal Course of Cardiomyopathy during childhood in Friedreich's Ataxia. Oral presentation at the American Academy of Pediatrics National Conference in New Orleans in October 2003.
2. **Kipps AK**, Wypij D, Thiagarajan RR, Bacha EA, Newburger JW. Blood transfusion prolongs duration of mechanical ventilation in infants undergoing cardiac surgery. Oral presentation at the American Academy of Pediatrics National Conference in San Francisco, CA in October 2007.
3. **Kipps AK**, Levine JC. Association of Right Ventricle Dependent Coronary Circulation and Coronary Ostial Atresia with Muscular Infundibular Atresia in Pulmonary Atresia with Intact Ventricular Septum. *Journal of the American Society of Echocardiography* 2009, 22 (5): 625-648
4. **Kipps AK**, Lewis E, Graham D, Marx GR, Rhodes J. Longitudinal exercise function of patients with a history of Ebstein's anomaly. Oral presentation at the American Academy of Pediatrics National Conference in Washington DC in October 2009. *Pediatrics*; American Academy of Pediatrics National Conference and Exhibition Program and Abstracts.
5. **Kipps AK**, Lewis E, Graham D, Marx GR, Rhodes J. Cardiac MRI Correlates of Exercise Function in Patients with Ebstein's Anomaly. Oral presentation at the American Heart Association Annual Meeting in Orlando, FL in November 2009. *Circulation* 2009, 120 (18 Supplement): S603

6. **Kipps AK**, Harrild DM, Lewis E, Graham D, Powell AJ, Rhodes J. Longitudinal Exercise Function of Patients With Repaired Tetralogy of Fallot. *Presented at the American College of Cardiology Annual meeting in Journal of American College of Cardiology* 2010, 55 (10, supplement 1): A40.E385
7. Anderson FM, Lee H, **Kipps AK**, Brook MM, Moon-Grady AJ. Fetal Echocardiography Can Risk Stratify Need For Prenatal Intervention in Patients with Sacrococcygeal Teratoma and Twin Reversed Arterial Perfusion. *Presented at American Society of Echocardiography meeting, San Diego, CA in June 2010.*
8. Lowenthal A, **Kipps AK**, Brook MM, Azakie A, Moon-Grady AJ. Impact of Prenatal Diagnosis of Atrial Restriction on 2-year survival in Hypoplastic Left Heart Syndrome. *Presented at American Academy of Pediatrics meeting, San Francisco, CA in October 2010.*
9. Moon-Grady AJ, Lemley B, **Kipps AK**, Brook MM, Rand L. Prenatal Tricuspid Valve Size as a Predictor of Postnatal Outcome in Patients with Severe Pulmonary Stenosis or Pulmonary Atresia with Intact Ventricular Septum. *Presented at Society of Maternal-Fetal Medicine Conference. San Francisco, CA in February 2011.*
10. Smith B, **Kipps AK**, Meadows J. Diaphragmatic Paralysis After Repair of Congenital Heart Defects in the Current Era: Return of Diaphragm Function in the Post-operative Period Occurs in a Significant Proportion of Patients. *Presented at American Heart Association annual meeting. Orlando, FL November 2011.*
11. Balasubramanian S, **Kipps AK**, Gluhm S, Tacy TA, Selamet Tierney ES. Pediatric echocardiography by work relative value units - is study complexity adequately captured? *Presented at the Annual Scientific Sessions of the American College of Cardiology, Washington DC, March 2014.*
12. Goel V, Poole S, **Kipps AK**, Palma J, Platchek T, Pageler N, Longhurst C, Sharek P. Implementation of Data Drive Heart Rate and Respiratory Rate parameters on a Pediatric Acute Care Unit. *Stud Health Technol Inform.* 2015;216:918.
13. Arunamata A, McElhinney DB, Shin AY, Axelrod DM, Hanley FL, Reddy VM, Olson IL, **Kipps AK**, Selamet Tierney ES. Practice Patterns in Post-operative Echocardiographic Surveillance in Children with Congenital Heart Disease. *American Society of Echocardiography Scientific Sessions, Boston, MA, June 2015.*
14. Peng DM, **Kipps AK**, Palmon M, Khalapyan TZ, Almond CS, Chen S, Hollander SA, Tacy TA, Rosenthal DN, McElhinney D. Utility of Routine Screening Echocardiogram after Biopsy for Identification of Hemopericardium of Tricuspid Valve Injury. *International Society for Heart and Lung Transplantation. Washington DC, April 2016.*
15. Albert MS, Bomher B, Cheung SW, Kim JJ, Williams GD, **Kipps AK**. Impact of Schedule-Based Family Centered Rounds in a Pediatric Inpatient Cardiology Unit at an Academic Medical Center. *Society of Pediatric Research, Baltimore, April 2016.*

16. **Kipps AK**, Poole SF, Slaney C, Feehan S, Longhurst CA, Sharek PJ, Goel VV. Implementation of Data-Driven Vital Sign Parameters to Decrease Monitor Alarm Burden on a Pediatric Acute Care Unit. Western Society of Pediatric Cardiology, Park City, Utah, May 2016.
17. Tierney ES, **Kipps AK**, Stefani K, McDonald N, Lee D, Barkoff L, Rosenthal DN. Parental Acquisition of Echocardiographic Images in Pediatric Heart Transplant Recipients: A New Era? American Society of Echocardiography, Seattle, WA June 2016.
18. Albert MS, Bomher B, Cheung SW, Feehan S, Kim JJ, Williams GD, **Kipps AK**. Impact of Schedule-Based Family Centered Rounds in a Pediatric Inpatient Cardiology Unit at an Academic Medical Center. Plenary session presentation at Lean Healthcare Academic Conference at Stanford, September 2016
19. Heller S, **Kipps AK**. Decreased duration of Chest tube use but similar length of stay in postoperative patients following liberalization of chest tube removal criteria. Lean Healthcare Academic Conference at Stanford, September 2016
20. Dennis K, Christenson K, Schultz L, **Kipps AK**, Snyder M, Dykes JC, Maeda K, Kaufman BD, Hollander SA, Jensen K, Feehan S, Rosenthal DN, Almond, CS. Prevalence and Severity of Malnutrition in Children with End-Stage Heart Failure Listed for Heart transplantation. American Heart Association Scientific Sessions, New Orleans, Louisiana, November 2016
21. Dykes JC, Kruger J, Kaufman BD, Liu E, Dennis K, **Kipps AK**, Yarlagadda V, Chen S, Snyder M, Hollander SA, Rosenthal DN, Almond CS. Fluid overload in Children Hospitalized with Heart Failure: How Common and How much? American Heart Association Scientific Sessions, New Orleans, Louisiana, November 2016
22. Lau M, Tran M, **Kipps AK**, Mak K. Impact of a Bedside Medication Delivery Service for a Pediatric Acute Care Cardiology Service. Heart Center Research Day, March 2018
23. Taylor AE, Bates KB, **Kipps AK**. Variability in Pediatric Cardiac Post-Operative Chest Tube Management. Heart Center Research Day, March 2018
24. Nunez S, Saks L, Lowe J, Mittal V, Feehan S, Hock P, Brown S, **Kipps AK**. Tele-Health Enabled Multidisciplinary, Standardized Handoff Process for Cardiac Admissions from the Emergency Department. Heart Center Research Day, March 2018
25. Motonaga KS, Purkey NJ, Long J, Reddy CR, **Kipps AK**. Educational Needs Assessment of Pediatric Residents in Pediatric Cardiology at Lucile Packard Children's Hospital. 3rd Annual Stanford Innovations in Medical Education Conference, June 2018
26. Taylor AE, Bates KB, **Kipps AK**. Variability in Pediatric Cardiac Post-Operative Chest Tube Management. Lean Healthcare Academic Conference at Stanford, October 2018

27. Hart SA, Tanel RE, **Kipps AK**, Kolb A, Graupe, M, Cassidy SC, Hlavacek A, Clabby ML, Bush L, Zhang W, Banerjee M, Pasquali SK, Gaies MG, Madsen N. Impact of intensive care unit and acute care unit length of stay on total length of stay following congenital heart surgery: A joint PC⁴ and PAC³ multicenter analysis. American Heart Association Scientific Sessions, Chicago, IL, November 2018
28. Bates KE, Khadr L, Donohue J, Crawford K, Gaies MG, Graupe M, Hanke S, Hlavacek A, Madsen N, Morell E, Pasquali SK, Russel JL, Schachtner SK, Tanel R, Ware AL, **Kipps AK**. Variability in Chest Tube Duration and Length of Stay across Centers in the Pediatric Acute Care Cardiology Collaborative (PAC³) and Pediatric Cardiac Critical Care Consortium (PC⁴). American Heart Association Scientific Sessions, Chicago, IL, November 2018
29. Hoerst A, Bakar A, Cassidy SC, Clabby M, DelGrippo E, Graupe M, Harahsheh A, Hart SA, Hlavacek AM, **Kipps AK**, Madsen NL, O'Neil DD, Patel SS, Strohacker CM, Tanel RE. Variation in Care Practice Across Pediatric Acute Care Cardiology Units: Results of the Pediatric Acute Care Cardiology Collaborative (PAC³) Hospital Survey. American Heart Association Scientific Sessions, Chicago, IL, November 2018
30. Jones A, Hoerst A, Patel SS, Bakar A, Cassidy SC, Clabby M, Del Grippo E, Groupe M, Harahsheh A, Hlavacek AM, Hart SA, **Kipps AK**, Madsen NL, O'Neil DD, Strohacker CM, Tanel RE. The Role of the Advanced Practice Provider in Acute Care Pediatric Cardiology: Insights from the Pediatric Acute Care Cardiology Collaborative (PAC³) Hospital Survey. Cardiology 2019: 22nd Annual Update on Pediatric and Congenital Cardiovascular Disease Conference. Huntington Beach, CA February 2019.
31. Almond CS, Chen CY, Kwong J, Chen S, Hollander SA, Kaufman BD, **Kipps AK**, Profita E, Dykes JC, Rosentahl DN. A simple pediatric heart failure symptom score for children hospitalized with acute decompensated heart failure. Heart Center Research Day, March 2019
32. Harahsheh A, Patel S, Bakar A, Cassidy S, Clabby M, Del Grippo E, Graupe M, Hart S, Hlavacek A, Hoerst A, **Kipps AK**, Madsen N, O'Neil D, Strohacker C, Tanel R. Acuity-based Therapy Variation Across Pediatric Cardiac Acute Care Units: Results from the Pediatric Acute Care Cardiology Collaborative Hospital Survey. Pediatric Academic Society Meeting in Baltimore, MD April 2019.
33. Feehan S, Nunez S, Kipps AK. Improving Teamwork, Morale, and Communication on a New Inpatient Cardiovascular Stepdown Unit. Plenary session presentation at Lean Healthcare Academic Conference at Stanford, September 2019
34. Bates KE, Khadr L, Donohue J, Crawford K, Gaies MG, Graupe M, Hanke S, Hlavacek A, Madsen N, Morell E, Pasquali SK, Russel JL, Schachtner SK, Tanel R, Ware AL, **Kipps AK**. Successful Reduction of Postoperative Chest Tube Duration and Length of Stay After Congenital Heart Surgery: A Multicenter Pediatric Acute Care Cardiology Collaborative (PAC³) and Pediatric Cardiac Critical Care Consortium (PC⁴) Improvement Project. American Heart Association Scientific Sessions, Philadelphia, PA, November 2019

35. Alexander P, Gauvreau K, Gaies M, Dewitt A, Ge S, Ghanayem N, **Kipps AK**, Lasa JJ, Mistry K, Schwartz S, Shin A, Thiagarajan R, Bergersen L. Modeling postoperative intensive care length of stay to improve resource management at congenital heart centers. American Heart Association Scientific Sessions, Philadelphia, PA, November 2019
36. Han B, Yang J, Ling AY, Kipps AK, Shin AY, Beshish A. Functional Status Change among Infants and Children Post Cardiac Surgery for Congenital Heart Disease: A single Institution report. Heart Center Research Day at Stanford, March 2020
37. Heller S, Bates KE, Madsen NL, Khadr L, Morelle EM, Tignor A, Graupe M, Kipps AK. Successful reduction of Postoperative Chest Tube Duration and Length of Stay after Congenital Heart Surgery at four large centers: A Pediatric Acute Care Cardiology Collaborative and Pediatric Cardiac Critical Care Consortium improvement project. Heart Center Research Day at Stanford, March 2020
38. Olson I, Motonaga KS, Sacks LD, Arunamata A, Kwiatkowski D, Krawczeski C, Axelrod D, Su L, **Kipps AK**, Shenoy R, Bishop R, Grossfield P, Weiderback M, Romero-Villanueva L, Ceresnak SR. Implementation and Utility of a phone-based application for teaching auscultation skills to incoming pediatric cardiology fellows. Assoc. of Pediatric Program Directors annual meeting April 2020 via virtual format.
39. Iqbal MS, **Kipps AK**, Axelrod DM. Using Virtual Reality Heart Models to Teach Congenital Heart Disease to Trainees. Assoc. of Pediatric Program Directors annual meeting April 2020 via virtual format.
40. Zicarelli M, Nunez S, Sacks LD, Slaney C, Besso C, Feehan S, **Kipps AK**. Improving Frontline Nurse Preparedness and Perception during CVICU to Acute Care Transfers. Poster presentation at Lean Healthcare Academic Conference at Stanford, September 2020
41. Heller S, Bates KE, Madsen NL, Khadr L, Morelle EM, Tignor A, Graupe M, **Kipps AK**. Successful reduction of Postoperative Chest Tube Duration and Length of Stay after Congenital Heart Surgery at four large centers: A Pediatric Acute Care Cardiology Collaborative (PAC3) Project. Lean Healthcare Academic Conference at Stanford, September 2020
42. Sheth SS, **Kipps AK**, Madsen NL, Khadr L, Graupe M, Tignor A, Figueroa M, Greiten L, Hart S, Jensen M, Mauney J, Morse T, Patel M, St John A, Saudek D, Bates KE. Sustaining and Spreading Success: Longer Term Outcomes and Spread of a Multi-Center Quality Improvement Project to Reduce Post-Operative Chest Tube Duration. American Heart Association Scientific Sessions, (virtual format), November 2020

VII. EDITORIAL SERVICE TO PROFESSIONAL PUBLICATIONS:

2009-current	Ad hoc reviewer for Journals: Journal of American College of Cardiology, Echocardiography, American Heart Journal, Clinical Medicine: Circulatory, Respiratory and Pulmonary Medicine, Clinical Medicine Reviews in Cardiology, Annals of Cardiac Anesthesia, International Journal of Cardiology, Journal of Neonatal-Perinatal
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VIII. UNIVERSITY AND HOSPITAL ADMINISTRATIVE SERVICE

A. COMMITTEE SERVICE

Years	Departmental Service at UCSF
2010-12	Pediatric Cardiology fellowship selection interviews
2010	Curriculum development for Pediatric Cardiology clerkship rotation
2011	Compose the ACGME guidelines for Pediatric Echocardiography training
2011	Curriculum development for Pediatric Cardiology resident rotation
Years	Departmental Service at Stanford
2012	Echocardiography attending liaison to fellowship training: Organization of summer lecture series and year-long training in echocardiography.
2012-current	Primary cardiologist for referrals from Dr. Michael Tran, Dr. Cam Arrington, all pediatric cardiologists at UCSF, and for the cardiology patients from IL, IN, IA, KS, NE
2012-current	Pediatric Cardiology (categorical) fellowship selection interviews
2012-2016	Pediatric Cardiology sub-specialty fellowship selection interviews for Non-invasive imaging 4 th -year position.
2013-2020:	Heart Center Professional Practice Evaluation Committee (PPEC)
2013-current:	LPCH Quality Improvement Committee
2013-2019:	Member of the LPCH Code Committee.
2014-current:	Heart center QAPI committee
2014-2017	Pediatric Early Warning System (PEWS) taskforce – Heart Center representative.
2016-current:	Pediatric Residency Program Intern Selection Committee
2017-2018:	Packard 2.0 Preparation committees & Move-day Medical direction

B. LEADERSHIP ROLES

2010-2012	UCSF Medical School	Director, Pediatric Cardiology Clerkship
2011-2012	UCSF Pediatric Residency	Director, Pediatric Cardiology Rotation

2013-current	LPCH/Stanford	Medical Director of PCU 200
2013-current	LPCH/Stanford	PCU 200 Local Improvement Team Physician Lead
2013-current	LPCH/Stanford	Co-Director, Pediatric Cardiology Rotation

IX. SERVICE TO PROFESSIONAL ORGANIZATIONS

A. MEMBERSHIPS

2003-2006, American Academy of Pediatrics
 2006-2010, American College of Cardiology
 2008-current, American Heart Association
 2009-2012, American Society of Echocardiography
 2015-current, Pediatric Cardiac Intensive Care Society
 2015-current, Pediatric Acute Care Cardiology Collaborative
 2016-current, Pediatric Cardiac Critical Care Consortium

B. COMMITTEE SERVICE TO PROFESSIONAL ORGANIZATIONS

2016-2019: Pediatric Cardiac Intensive Care Society – Quality Improvement Committee
2016-current: Pediatric Acute Care Cardiology Collaborative Executive Board, Outreach and Education Committee, and Scientific Review Committee
2016-current: Pediatric Cardiac Critical Care Consortium Executive Board
2018: Congenital heart disease Appropriate Use Criteria Panelist for American College of Cardiology

C. LEADERSHIP ROLES

2014-current Founder and Co-Chair for the Pediatric Acute Care Cardiology Collaborative
 2017-current Executive council for Cardiac Networks United

X. PRESENTATIONS AND TEACHING

A. INVITED LECTURES

International Meetings

2016: Pediatric Cardiac Intensive Care Society – Novel Approaches to Integrating Inpatient and CICU Care: Alarm Fatigue – Is it avoidable?
 2018: Pediatric Cardiac Intensive Care Society: Collaborative quality improvement project to shorten chest tube duration and length of stay across Centers in the Pediatric Acute Care Cardiology Collaborative (PAC³) and Pediatric Cardiac Critical Care Consortium (PC⁴).

Regional Invited Presentations

2016: Adolescent Division Grand Rounds, Lucile Packard Children’s Hospital at Stanford
 2017: Pediatric Grand Rounds, El Camino Hospital in Mountain View, CA

2018: Pediatric Grand Rounds, Dominican Hospital in Santa Cruz, CA
 2018: Hospital Council Summit Innovation Challenge Breakout session in Monterrey, CA
 2018: Pediatric Grand Rounds, El Camino Hospital in Mountain View, CA
 2020: Hodo L., Kipps A., **“Quality Projects Needs Assessment and Obstacles”** Stanford Quality Improvement and Leadership Training (QuILT) Program, Stanford, California, March 2020

B. TEACHING:

Pre-Clinical Teaching

Years	Course No. & Title	Contribution
11/2007-11/08	Harvard Medical School (Cardiology)	Lab session instructor
2/2010-11	UCSF Life Cycle (Pathology 101)	Lab session instructor
Years	Course No. & Title	Contribution
9/2010-3/2012	UCSF Foundations of Patient Care	Faculty Facilitator
5/2018	Principles of Clinical Medicine for Stanford Medical School MSPA	Lecturer: Heart Sounds
5-6/2018	INDE 221 Science of Medicine I	Case Study Lab session instructor

Medical Student Clinical Teaching

5/2010-3/2012	UCSF Pediatric Cardiology rotation	Clerkship Director
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Fellowship & Faculty Teaching:

Years	Course No. & Title	Contribution
2015-2019	Stanford Pediatric Cardiology Bootcamp	Faculty Facilitator
2020	Stanford Quality Improvement and Leadership Training Program - Faculty	

C. MENTORSHIP:

Fellow Mentorship:

Year	Name	Role
2014-2017	Anica Bulic, MD	Fellowship Advisor
2018 - current	Heather Giacone, MD	Fellowship Advisor
2019 - current	Dana Gal, MD	Fellowship Advisor

Resident Mentorship:

Year	Name	Role
2013-2016	Carmel Bogle, MD	Resident Advisor and Research Mentor

2014-2017	Alejandro Borquez, MD	Resident Advisor
2017-2019	Anne E. Taylor, MD	Research Mentor
2017-2020	Kimberlee Jacobs, MD	Resident Advisor

Pre-doctoral Student Mentorship:

Year	Name	School/Program	Role
2008-09	Erik Lewis	Children’s Hospital Boston	Supervised research
2009-10	Colin Feuille	UCSF	Supervised research

D. TEACHING TOOLS DEVELOPED:

2009: Echo Cards: Flip-book of images for teaching the normal echocardiogram views

2009-11: UCSF Pediatric Cardiology Rotation materials

2009-current: Echo lectures: Collection of lectures on a variety of pediatric cardiology topics for weekly echocardiography teaching conference.

2010: Fellowship reading curricula: Collection of documents, papers, and PowerPoint lectures on a variety of pediatric cardiology topics.

2013: Pediatric cardiology Purple team residency rotation case-based topics and materials to aid weekly fellow-led resident teaching sessions. Project completed with Inger Olson and Anna Harbison.

2013-2016: Write and locally publish the **“3West Purple Team Guidelines Handbook”** a 125-page book geared for pediatrics residents covering topics from logistics of inpatient work, family centered rounds, and patient care to teaching topics on cardiac anatomy and nomenclature, the cardiac exam, common lesions and surgical therapies, and pediatric electrophysiology. The guide has been given to all cardiology fellows, all second-year pediatric residents, and several other learners such as rotating medical students and 3W pharmacists. Edition 3 was published in May 2015 and distributed to all rising junior residents and new cardiology fellows. Edition 4 was released in July 2016.

2014-2019: Co-teach with Inger Olson bi-weekly cardiology exam skills using simulator “HARVEY” for rotating pediatric residents.

2016-18: Complete re-write and organization of **Pediatric Acute Care Cardiology Handbook** with Inger Olson, Charitha Reddy, and Neha Purkey. This book covers general principles of cardiology, common complaints such as murmurs and chest pain, congenital heart disease and surgical repairs, EKG interpretation and common arrhythmias, pulmonary hypertension, heart failure, acquired heart disease, and genetic syndromes with an emphasis on questions for self-study.