



Alaina Kipps

Clinical Professor, Pediatrics - Cardiology

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Heart Center**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Summer - Administrative Assistant

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Bio

BIO

Dr. Kipps grew up in Santa Cruz, California and completed her medical degree at Harvard Medical School in 2003. After general pediatrics residency at Stanford, she completed pediatric cardiology fellowship at Boston Children's Hospital from 2006 to 2009. After three years on faculty with University of California, San Francisco she was recruited back to Stanford in 2012 to become the medical director for acute care cardiology (2013-2021). Since 2021 she has focused on QI for the ACCU and heart center, and has served as the ACCU local improvement team medical director since 2013. In 2014 she co-founded the Pediatric Acute Care Cardiology Collaborative (PAC³) with Nicolas Madsen and co-directed this since inception to spring 2026. PAC³ has 50 participating centers, a registry since 2019 with >150,000 encounters, and is the academic society for the ACCU subspecialty. Her academic focus is in clinical effectiveness and quality improvement science, and she completed her Masters of Science in Epidemiology at Harvard School of Public Health in 2016. Her other significant interest is in teaching, mentorship, and coaching. She is the co-director of the Pediatric residency program scholarly concentration in Quality Improvement, co-leads the Pediatric department peer scholar community (in QI), and has served as a residency coach since 2020.

CLINICAL FOCUS

- Pediatric Cardiology
- Quality Improvement

ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Cardiology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Medical Director for Quality, LPCH Cardiology Acute Care Unit, (2013- present)
- Medical Director, LPCH Cardiology Acute Care Unit, (2013-2021)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-Director, Pediatric Acute Care Cardiology Collaborative (PAC³) (2014 - present)

PROFESSIONAL EDUCATION

- MS, Harvard School of Public Health , Epidemiology (2016)
- Fellowship: Children's Hospital Boston (2009) MA
- Residency: Stanford Hospital and Clinics (2006) CA
- MD, Harvard Medical School , Medicine (2003)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Cardiology (Fellowship Program)

Publications

PUBLICATIONS

- **The state of the unit: variable care models in paediatric acute care cardiology units documented by the fourth iteration of the Paediatric Acute Care Cardiology Collaborative (PAC3) Hospital Survey.** *Cardiology in the young*
Rodts, M. E., DelGrippo, E., Figueroa, M., Gal, D. B., Harahsheh, A. S., Hart, S. A., Plummer, S., Tanel, R., Ware, A. L., Kipps, A. K.
2026: 1-8
- **Evaluation and treatment of infective endocarditis in children and adolescents with underlying CHD: a Paediatric Acute Care Cardiology Collaborative Clinical Practice Guideline.** *Cardiology in the young*
Aldrich, J. B., Madsen, N., Armstrong, A. K., Burns, J., Collins, M., Coward, C., Davila, S. Z., Dimas, V., Erdmann, A., Fatemi, Y., Goldstein, B. H., Harahsheh, A. S., Khan, et al
2025: 1-19
- **Hearts to Home: A Framework for Understanding and Improving Discharge Efficiency in the Pediatric Acute Care Cardiology Collaborative**
Ware, A., Birely, A., Colyer, J., Donaldson, A., Favilla, E., Figueroa, M., Gamel, B., Harahsheh, A., Higbee, C., Jensen, M., Kipps, A., McLellan, M., Pater, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Risk Factors for and Outcomes Following Tube Assisted Feeding in Neonates Undergoing Cardiac Surgery**
Iguidbashian, K., Buckley, J., Church, J., Figueroa, M., Kipps, A., Young, J., Kozak, N., Lisanti, A., Schiller, A., Plummer, S., Raymond, T., Ware, A., Patel, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Improving Discharge Medication Education: Consideration of Health Literacy and Language.** *Hospital pediatrics*
Squires, S. S., Kipps, A. K., Gamuciello, S., Chen, X., Mak, K., Chadwick, W.
2025
- **Persistent Imbalance: Women's Representation in North American Pediatric Cardiology Leadership Roles.** *JACC. Advances*
Kipps, A. K., Marshall, A. C., Bansal, N., Bauser-Heaton, H., Choueiter, N., Chowdhury, D., Dalal, A., Ehrlich, M., Freud, L. R., Jain, S. S., Jone, P., Laraja, K., Lopez-Colon, et al
2025; 4 (7): 101878
- **Sustaining and spreading success: expanding a multicentre quality improvement project to reduce postoperative chest tube duration after paediatric CHD.** *Cardiology in the young*
Sheth, S. S., Tignor, A., Connelly, C., Madsen, N. L., Graupe, M., Bates, K. E., Figueroa, M., Greiten, L. E., Hart, S. A., Jensen, M., Morse, T., Patel, M., St John, et al
2025: 1-7
- **Current status and improvement opportunities for onboarding paediatric acute care cardiology advanced practice providers.** *Cardiology in the young*
Hunter-Adamson, L., Birely, A., Neal, A. E., Patel, S. S., Kipps, A. K.
2025: 1-6
- **Characteristics and Perspectives of Female Pediatric Cardiology Division Chiefs.** *JACC. Advances*

- Gal, D. B., Buddhe, S., Salles, A., Co-Vu, J. G., Kipps, A. K.
2025; 4 (6 Pt 1): 101805
- **Mitigating Alarm Fatigue and Improving the Bedside Experience by Reducing Non-actionable Alarms.** *The Journal of pediatrics*
Yang, J. K., Su, F., Graber-Naidich, A., Hedlin, H., Madsen, N., DeSousa, C., Feehan, S., Graves, A., Palmquist, A., Cable, R., Kipps, A. K.
2024: 114278
 - **Feeding Variation Among Infants in Acute Care Cardiology Units.** *Pediatric cardiology*
Ware, A. L., Jones, C., Kipps, A. K., Khadr, L., Marcuccio, E., Patel, S. S., Plummer, S., Ravishankar, C., Figueroa, M.
2024
 - **Mind the Gap! Working Toward Gender Equity in Pediatric and Congenital Heart Disease: Present and Future.** *Journal of the American Heart Association*
Chowdhury, D., Bansal, N., Rasheed, M. M., Saidi, A., Stiver, C., Laraja, K., Ronai, C. M., Baker Smith, C., Johnson, J. N., Co-Vu, J., Jain, S. S., Kipps, A. K., Sachdeva, et al
2024: e032837
 - **Immunisation deferral practices surrounding congenital heart surgery.** *Cardiology in the young*
Gal, D. B., Cleveland, J. D., Vergales, J. E., Kipps, A. K.
2024: 1-4
 - **Early Wound and Sternal Management Following Pediatric Cardiac Surgery.** *World journal for pediatric & congenital heart surgery*
Gal, D. B., Cleveland, J. D., Kipps, A. K.
2024: 21501351231216448
 - **Maternal Diabetes and Cardiovascular Health in the Offspring.** *Pediatric cardiology*
Jodah, R., Arunamata, A., Kipps, A. K., Chen, S., Stauffer, K. J., Selamet Tierney, E. S.
2023
 - **Caregiver and provider attitudes toward family-centred rounding in paediatric acute care cardiology.** *Cardiology in the young*
Gal, D. B., Rodts, M., Hills, B. K., Kipps, A. K., Char, D. S., Pater, C., Madsen, N. L.
2023: 1-6
 - **Direct Discharge to Home From the Pediatric Cardiovascular ICU.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Gal, D. B., Kwiatkowski, D. M., Cribb Fabersunne, C., Kipps, A. K.
1800
 - **Successful Reduction of Postoperative Chest Tube Duration and Length of Stay After Congenital Heart Surgery: A Multicenter Collaborative Improvement Project** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
Bates, K. E., Connelly, C., Khadr, L., Graupe, M., Hlavacek, A. M., Morell, E., Pasquali, S. K., Russell, J. L., Schachtner, S. K., Strohacker, C., Tanel, R. E., Ware, A. L., Wooton, et al
2021; 10 (21): e020730
 - **Early Functional Status After Surgery for Congenital Heart Disease: A Single-Center Retrospective Study.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Han, B., Yang, J. K., Ling, A. Y., Ma, M., Kipps, A. K., Shin, A. Y., Beshish, A. G.
2021
 - **High Acuity Therapy Variation Across Pediatric Acute Care Cardiology Units: Results from the Pediatric Acute Care Cardiology Collaborative Hospital Surveys.** *Pediatric cardiology*
Harahsheh, A. S., Kipps, A. K., Hart, S. A., Cassidy, S. C., Clabby, M. L., Hlavacek, A. M., Hoerst, A. K., Graupe, M. A., Madsen, N. L., Bakar, A. M., Del Grippo, E. L., Patel, S. S., Bost, et al
2021
 - **Sustaining and Spreading Success: Longer Term Outcomes and Spread of a Multi-Center Quality Improvement Project to Reduce Post-operative Chest Tube (CT) Duration (on Behalf of the Pediatric Acute Care Cardiology Collaborative and Pediatric Cardiac Critical Care Consortium)**
Sheth, S. S., Kipps, A., Madsen, N. L., Khadr, L., Graupe, M., Tignor, A., Figueroa, M., Greiten, L., Hart, S., Jensen, M., Mauney, J. A., Morse, T., Patel, et al
LIPPINCOTT WILLIAMS & WILKINS.2020

- **Target Based Care: An Intervention to Reduce Variation in Postoperative Length of Stay.** *The Journal of pediatrics*
Shin, A. Y., Rao, I. J., Bassett, H. K., Chadwick, W., Kim, J., Kipps, A. K., Komra, K., Loh, L., Maeda, K., Mafla, M., Presnell, L., Sharek, P. J., Steffen, et al
2020
- **The Stanford acute heart failure symptom score for patients hospitalized with heart failure.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Almond, C. S., Chen, S., Dykes, J. C., Kwong, J., Burstein, D. S., Rosenthal, D. N., Kipps, A. K., Teuteberg, J., Murray, J. M., Kaufman, B. D., Hollander, S. A., Profita, E., Yarlagadda, et al
2020
- **Schedule-based Family-centered Rounds: A Novel Approach to Achieve High Nursing Attendance and Participation.** *Pediatric quality & safety*
Kipps, A. K., Albert, M. S., Bomher, S., Cheung, S., Feehan, S., Kim, J.
2020; 5 (2): e265
- **Intensive care unit and acute care unit length of stay following congenital heart surgery.** *The Annals of thoracic surgery*
Hart, S. A., Tanel, R. E., Kipps, A. K., Hoerst, A. K., Graupe, M. A., Cassidy, S. C., Hlavacek, A. M., Clabby, M. L., Bush, L. B., Zhang, W., Banerjee, M. M., Pasquali, S. K., Gaies, et al
2020
- **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** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Sachdeva, R., Valente, A., Armstrong, A. K., Cook, S. C., Han, B., Lopez, L., Lui, G. K., Pickard, S. S., Powell, A. J., Bhavne, N. M., Pickard, S. S., Baffa, J. M., Banka, et al
2020; 75 (6): 657–703
- **The added value of the advanced practice provider in paediatric acute care cardiology.** *Cardiology in the young*
Willis, A. J., Hoerst, A. n., Hart, S. A., Holbein, D. n., Lowery, K. n., Harahsheh, A. S., Kipps, A. K., Madsen, N. n., Patel, S. S., Tanel, R. E.
2020: 1–4
- **Center Variation in Chest Tube Duration and Length of Stay After Congenital Heart Surgery.** *The Annals of thoracic surgery*
Bates, K. E., Madsen, N. L., Khadr, L., Gao, Z., Crawford, K., Gaies, M., Graupe, M., Hanke, S. P., Hlavacek, A. M., Morell, E., Pasquali, S. K., Russell, J. L., Schachtner, et al
2019
- **"Echo pause" for postoperative transthoracic echocardiographic surveillance.** *Echocardiography (Mount Kisco, N.Y.)*
Cox, K., Arunamata, A., Krawczeski, C. D., Reddy, C., Kipps, A. K., Long, J., Roth, S. J., Axelrod, D. M., Hanley, F., Shin, A., Selamet Tierney, E. S.
2019
- **Variation in care practices across pediatric acute care cardiology units: Results of the Pediatric Acute Care Cardiology Collaborative (PAC(3)) hospital survey** *CONGENITAL HEART DISEASE*
Hoerst, A., Bakar, A., Cassidy, S. C., Clabby, M., Del Grippo, E., Graupe, M., Harahsheh, A. S., Hlavacek, A. M., Hart, S. A., Kipps, A. K., Madsen, N. L., O'Neil, D. D., Patel, et al
2019; 14 (3): 419–26
- **Parental Acquisition of Echocardiographic Images in Pediatric Heart Transplant Patients Using a Handheld Device: A Pilot Telehealth Study** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Dykes, J. C., Kipps, A. K., Chen, A., Nourse, S., Rosenthal, D. N., Tierney, E.
2019; 32 (3): 404–11
- **Cardiac Networks United: an integrated paediatric and congenital cardiovascular research and improvement network.** *Cardiology in the young*
Gaies, M., Anderson, J., Kipps, A., Lorts, A., Madsen, N., Marino, B., Costello, J. M., Brown, D., Jacobs, J. P., Kasnic, D., Lihn, S., Lannon, C., Margolis, et al
2018: 1–8
- **Variability in paediatric cardiac postoperative chest tube management** *CARDIOLOGY IN THE YOUNG*
Taylor, A. C., Bates, K. E., Kipps, A. K.
2018; 28 (12): 1471–74

- **Variation 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)**
Bates, K. E., Khadr, L., Donohue, J., Crawford, K., Gaies, M. G., Graupe, M., Hanke, S. P., Hlavacek, A. M., Madsen, N. L., Morell, E., Pasquali, S. K., Russell, J. L., Schachtner, et al
LIPPINCOTT WILLIAMS & WILKINS.2018
- **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**
Hart, S. A., Tanel, R. E., Kipps, A. K., Hoerst, A., Graupe, M., Cassidy, S. C., Hlavacek, A. M., Clabby, M. L., Bush, L., Zhang Wenying, Banerjee, M., Pasquali, S. K., Gaies, M. G., et al
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Applying Lessons from an Inaugural Clinical Pathway to Establish a Clinical Effectiveness Program.** *Pediatric quality & safety*
Algaze, C. A., Shin, A. Y., Nather, C., Elgin, K. H., Ramamoorthy, C., Kamra, K., Kipps, A. K., Yarlagadda, V. V., Mafla, M. M., Vashist, T., Krawczeski, C. D., Sharek, P. J.
2018; 3 (6): e115
- **Utility of screening echocardiogram after endomyocardial biopsy for identification of cardiac perforation or tricuspid valve injury.** *Pediatric transplantation*
Peng, D. M., Kipps, A. K., Palmon, M., Tacy, T. A., Peng, L. F., Hollander, S. A., McElhinney, D. B.
2018; 22 (7): e13275
- **Collective quality improvement in the paediatric cardiology acute care unit: establishment of the Pediatric Acute Care Cardiology Collaborative (PAC(3))** *CARDIOLOGY IN THE YOUNG*
Kipps, A. K., Cassidy, S. C., Strohacker, C. M., Graupe, M., Bates, K. E., McLellan, M. C., Harahsheh, A. S., Hanke, S. P., Tanel, R. E., Schachtner, S. K., Gaies, M., Madsen, N.
2018; 28 (8): 1019–23
- **Inpatient-Derived Vital Sign Parameters Implementation: An Initiative to Decrease Alarm Burden** *PEDIATRICS*
Kipps, A. K., Poole, S. F., Slaney, C., Feehan, S., Longhurst, C. A., Sharek, P. J., Goel, V. V.
2017; 140 (2)
- **Practice Patterns in Postoperative Echocardiographic Surveillance after Congenital Heart Surgery in Children: A Single Center Experience** *JOURNAL OF PEDIATRICS*
Arunamata, A., Axelrod, D. M., Kipps, A. K., McElhinney, D. B., Shin, A. Y., Hanley, F. L., Olson, I. L., Roth, S. J., Tierney, E. S.
2017; 180: 87-?
- **Pediatric Echocardiography by Work Relative Value Units: Is Study Complexity Adequately Captured?** *Journal of the American Society of Echocardiography*
Balasubramanian, S., Kipps, A. K., Smith, S. N., Tacy, T. A., Selamet Tierney, E. S.
2016; 29 (11): 1084-1091
- **Decompressing vein and bilateral superior venae cavae in a patient with hypoplastic left heart syndrome.** *Echocardiography (Mount Kisco, N.Y.)*
Stauffer, K. J., Arunamata, A., Vasanawala, S. S., Behera, S. K., Kipps, A. K., Silverman, N. H.
2016; 33 (9): 1428-1431
- **Utility of the Routine Screening Echocardiogram After Endomyocardial Biopsy for Identification of Hemopericardium or Tricuspid Valve Injury**
Peng, D. M., Kipps, A. K., Palmon, M., Khalapyan, T. Z., Almond, C. S., Chen, S., Hollander, S. A., Tacy, T. A., Rosenthal, D. N., McElhinney, D.
ELSEVIER SCIENCE INC.2016: S403
- **Changes in Efficiency and Safety Culture After Integration of an I-PASS-Supported Handoff Process.** *Pediatrics*
Sheth, S., McCarthy, E., Kipps, A. K., Wood, M., Roth, S. J., Sharek, P. J., Shin, A. Y.
2016; 137 (2): 1-9
- **Isolation of the right subclavian artery in a patient with d-transposition of the great arteries.** *Annals of pediatric cardiology*
Arunamata, A., Perry, S. B., Kipps, A. K., Vasanawala, S. S., Axelrod, D. M.
2015; 8 (2): 161-163
- **Implementation of Data Drive Heart Rate and Respiratory Rate parameters on a Pediatric Acute Care Unit.** *Studies in health technology and informatics*

Goel, V., Poole, S., Kipps, A., Palma, J., Platchek, T., Pageler, N., Longhurst, C., Sharek, P.
2015; 216: 918-?

- **PEDIATRIC ECHOCARDIOGRAPHY BY WORK RELATIVE VALUE UNITS: IS STUDY COMPLEXITY ADEQUATELY CAPTURED?**
Balasubramanian, S., Kipps, A., Gluhm, S., Tacy, T., Tierney, E.
ELSEVIER SCIENCE INC.2014: A485
- **Prenatal Tricuspid Valve Size as a Predictor of Postnatal Outcome in Patients with Severe Pulmonary Stenosis or Pulmonary Atresia with Intact Ventricular Septum** *FETAL DIAGNOSIS AND THERAPY*
Lowenthal, A., Lemley, B., Kipps, A. K., Brook, M. M., Moon-Grady, A. J.
2014; 35 (2): 101-107
- **Course, Predictors of Diaphragm Recovery After Phrenic Nerve Injury During Pediatric Cardiac Surgery** *ANNALS OF THORACIC SURGERY*
Smith, B. M., Ezeokoli, N. J., Kipps, A. K., Azakie, A., Meadows, J. J.
2013; 96 (3): 938-942
- **Outcomes of a modified approach to transcatheter closure of perimembranous ventricular septal defects** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
Landman, G., Kipps, A., Moore, P., Teitel, D., Meadows, J.
2013; 82 (1): 143-149
- **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.** *Journal of the American Society of Echocardiography*
Bui, Y. K., Kipps, A. K., Brook, M. M., Moon-Grady, A. J.
2013; 26 (5): 507-514
- **Prenatal diagnosis of atrial restriction in hypoplastic left heart syndrome is associated with decreased 2-year survival** *PRENATAL DIAGNOSIS*
Lowenthal, A., Kipps, A. K., Brook, M. M., Meadows, J., Azakie, A., Moon-Grady, A. J.
2012; 32 (5): 485-490
- **Natural history of exercise function in patients with Ebstein anomaly: A serial study** *AMERICAN HEART JOURNAL*
Kipps, A. K., Graham, D. A., Lewis, E., Marx, G. R., Banka, P., Rhodes, J.
2012; 163 (3): 486-491
- **Muscular Infundibular Atresia Is Associated with Coronary Ostial Atresia in Pulmonary Atresia with Intact Ventricular Septum** *CONGENITAL HEART DISEASE*
Kipps, A. K., Powell, A. J., Levine, J. C.
2011; 6 (5): 444-450
- **Prenatal Diagnosis of Hypoplastic Left Heart Syndrome in Current Era** *AMERICAN JOURNAL OF CARDIOLOGY*
Kipps, A. K., Feuille, C., Azakie, A., Hoffman, J. I., Tabbutt, S., Brook, M. M., Moon-Grady, A. J.
2011; 108 (3): 421-427
- **Longitudinal Exercise Capacity of Patients With Repaired Tetralogy of Fallot** *AMERICAN JOURNAL OF CARDIOLOGY*
Kipps, A. K., Graham, D. A., Harrild, D. M., Lewis, E., Powell, A. J., Rhodes, J.
2011; 108 (1): 99-105
- **Blood transfusion is associated with prolonged duration of mechanical ventilation in infants undergoing reparative cardiac surgery** *PEDIATRIC CRITICAL CARE MEDICINE*
Kipps, A. K., Wypij, D., Thiagarajan, R. R., Bacha, E. A., Newburger, J. W.
2011; 12 (1): 52-56
- **Echocardiographic Risk Stratification of Fetuses with Sacrococcygeal Teratoma and Twin-Reversed Arterial Perfusion** *FETAL DIAGNOSIS AND THERAPY*
Byrne, F. A., Lee, H., Kipps, A. K., Brook, M. M., Moon-Grady, A. J.
2011; 30 (4): 280-288
- **Exercise Function of Children with Congenital Aortic Stenosis Following Aortic Valvuloplasty during Early Infancy** *CONGENITAL HEART DISEASE*
Kipps, A. K., McElhinney, D. B., Kane, J., Rhodes, J.

2009; 4 (4): 258-264

- **The Longitudinal Course of Cardiomyopathy in Friedreich's Ataxia During Childhood** *PEDIATRIC CARDIOLOGY*
Kipps, A., Alexander, M., Colan, S. D., Gauvreau, K., Smoot, L., Crawford, L., Darras, B. T., Blume, E. D.
2009; 30 (3): 306-310
- **Children with cardiomyopathy: complications after noncardiac procedures with general anesthesia** *PEDIATRIC ANESTHESIA*
Kipps, A. K., Ramamoorthy, C., Rosenthal, D. N., Williams, G. D.
2007; 17 (8): 775-781