



Michelle Kaplinski

Clinical Associate Professor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

- **Pediatric Heart Center**

725 Welch Rd Ste 120

MC 5912

Palo Alto, CA 94304

Tel (650) 721-2121

Fax (650) 497-8422

Bio

CLINICAL FOCUS

- Pediatric Cardiology
- Fetal Cardiology
- Pediatric Echocardiography

ACADEMIC APPOINTMENTS

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

HONORS AND AWARDS

- Fellow, American College of Cardiology

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2018)
- Board Certification: Pediatrics, American Board of Pediatrics (2013)
- Fellowship: Children's Hospital of Philadelphia (2018) PA
- Fellowship: Children's Hospital of Philadelphia (2017) PA
- MPH, University of California, Berkeley , Epidemiology (2014)
- Residency: UCSF (2013) CA

Research & Scholarship

CLINICAL TRIALS

- Surveillance and Treatment to Prevent Fetal Atrioventricular Block Likely to Occur Quickly (STOP BLOQ), Recruiting

- Effects of Different Tidal Volume Ventilation Strategies on Fontan Flow and Hemodynamics, Not Recruiting

Publications

PUBLICATIONS

- **Abstract 4366879: Does Knowledge of Anti-Ro Antibody Status Before Pregnancy Affect Diagnosis of Fetal Cardiac Neonatal Lupus? A Fetal Heart Society Research Collaborative Study**
Kaplinski, M., Kaizer, A., Cuneo, B., Moon-Grady, A., Nunez Gallegos, F., Hornberger, L., Howley, L., Paul, E., Donofrio, M., Krishnan, A., Hogan, W., Sharma, K., Ikemba, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Maternal Socioeconomic Status Impacts Diagnosis and Surveillance of Anti-Ro/SSA Positive Pregnancies Complicated by Fetal Cardiac Neonatal Lupus: A Fetal Heart Society (FHS) Research Collaborative Study**
Killen, S., Kaizer, A., Cuneo, B., Buyon, J., Moon-Grady, A., Nunez Gallegos, F., Hornberger, L., Howley, L., Paul, E., Donofrio, M., Krishnan, A., Hogan, W., Sharma, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Olink Proteomics Identifies Macrophage Pro-inflammatory Proteins in Maternal Sera Predictive of Fetal Atrioventricular Block Independent of Maternal Health Status**
Carlucci, P., Masson, M., Phoon, C., Roman, A., Izmirly, P., Saxena, A., Belmont, M., Penfield, C., Lee, Y., Nusbaum, J., Rubenstein, A., Sachan, N., Guthridge, et al
WILEY.2025: 1679-1681
- **Assessment of Anti-ssa/ro Testing Across Various Commercial Laboratories in the United States to Reduce the Burden of Surveillance in Pregnant Women with No History of Fetal Atrioventricular Block (fAVB)**
Masson, M., Cuneo, B., Carlucci, P., Izmirly, P., Brandt, J., Phoon, C., Roman, A., Saxena, A., Belmont, M., Penfield, C., Lee, Y., Nusbaum, J., Rubenstein, et al
WILEY.2025: 2709-2710
- **Outcomes of Fetuses with Mild Aortic Stenosis: A Multicenter Study.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Papneja, K., Tworetzky, W., Rychik, J., Natarajan, S., Tian, Z., Madriago, E., Zhang, A., Beattie, M., McElhinney, D., Maskatia, S. A., Tacy, T. A., Pun, R., Kaplinski, et al
2025
- **Long-Term Survival and Patient-Reported Outcomes After Staged Reconstructive Surgery for Hypoplastic Left Heart Syndrome.** *Journal of the American College of Cardiology*
Gaynor, J. W., Mahle, M., Ittenbach, R. F., Kaplinski, M., Lawrence, K. M., Hunt, M. L., Burnham, N. B., Fuller, S., Chen, J. M., Maeda, K., Mavroudis, C. D., Nuri, M. A., O'Connor, et al
2025; 85 (24): 2386-2398
- **Suboptimal Inter-Rater Reliability Limits Predictive Value of Fetal Echocardiography for Neonatal Balloon Atrial Septostomy in Fetuses with Dextro-Transposition of the Great Arteries.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Chandrasekar, H., Maskatia, S. A., Beattie, M. J., Kaplinski, M. A., Pun, R., Reddy, C. D., Jensen, A., Tacy, T. A.
2025
- **Hemodynamic Effects of Altering Tidal Volume During Positive Pressure Ventilation in the Fontan Circulation: A Randomized Crossover Trial.** *Paediatric anaesthesia*
Navaratnam, M., Schmidt, A. R., Kaplinski, M., De Souza, E., Beattie, M. J., Rowe, E. V., Pun, R., Ramamoorthy, C.
2025
- **Establishing dosing parameters for the use of maternal hyperoxygenation to affect fetal cardiovascular physiology.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Kaplinski, M., Phillips, A. A., Tandel, M. D., Weng, Y., Thorson, K., Stauffer, K. J., Moon, S., Frymoyer, A., Winn, V. D., Tacy, T. A., Maskatia, S. A.
2025
- **Fetal Characteristics and Perinatal Outcomes in Tetralogy of Fallot Without a Ductus Arteriosus.** *Pediatric cardiology*
Issapour, A., Dasgupta, M. N., Zhang, A., Tacy, T. A., Maskatia, S. A., Collins, R. T., Kaplinski, M.
2024

- **Left Atrial Size and Strain in Hypertensive Children Compared to Age-, Sex-, and Race/Ethnicity-Matched Controls.** *Pediatric cardiology*
Kaplinski, M., Griffis, H., Wang, Y., Mercer-Rosa, L., Banerjee, A., Quartermain, M. D., Natarajan, S. S.
2024
- **Deep Serologic Profiling Identifies Novel Autoantibodies Associated with Fetal Atrioventricular Block**
Carlucci, P., Clancy, R., Masson, M., Phoon, C., Roman, A., Izmirly, P., Saxena, A., Belmont, H., Penfield, C., Lee, Y., Nusbaum, J., Rubenstein, A., Acherman, et al
WILEY.2024: 893-896
- **Increased utilization of the hybrid procedure is not associated with improved early survival for newborns with hypoplastic left heart syndrome: a single center experience.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Chen, J. M., Ittenbach, R. F., Lawrence, K. M., Hunt, M. L., Kaplinski, M., Mahle, M., Fuller, S., Maeda, K., Nuri, M. A., Gardner, M. M., Mavroudis, C. D., Mascio, C. E., Spray, et al
2024
- **Combined ventricular dysfunction and atrioventricular valve regurgitation after the Norwood procedure are associated with attrition prior to superior cavopulmonary connection.** *JTCVS open*
Balsara, S. L., Burstein, D., Ittenbach, R. F., Kaplinski, M., Gardner, M. M., Ravishankar, C., Rossano, J., Goldberg, D. J., Mahle, M., O'Connor, M. J., Mascio, C. E., Gaynor, J. W., Preminger, et al
2023; 16: 714-725
- **Prospective Evaluation of High Titer Autoantibodies and Fetal Home Monitoring in the Detection of Atrioventricular Block Among Anti-SSA/Ro Pregnancies.** *Arthritis & rheumatology (Hoboken, N.J.)*
Buyon, J. P., Masson, M., Izmirly, C. G., Phoon, C., Acherman, R., Sinkovskaya, E., Abuhamad, A., Makhoul, M., Satou, G., Hogan, W., Pinto, N., Moon-Grady, A., Howley, et al
2023
- **Patterns of Aortic Dilation in Tetralogy of Fallot: An Analysis of 100 Fetal Echocardiograms Compared With Matched Controls.** *Journal of the American Heart Association*
Dasgupta, M. N., Kaplinski, M. A., Reddy, C. D., Collins, R. T.
2023; 12 (21): e030083
- **Prenatal Diagnosis and Postnatal Management of a Fetal Pericardial Mass.** *NeoReviews*
Weigel, N., Hintz, S., Kaplinski, M., Barth, R., Balakrishnan, K., Panelli, D., Ma, M., Chitkara, R.
2023; 24 (10): e683-e689
- **Prospective Evaluation of Anti-SSA/Ro Pregnancies Supports the Utility of High Titer Antibodies and Fetal Home Monitoring for the Detection of Fetal Atrioventricular Block**
Cuneo, B., Masson, M., Phoon, C., Roman, A., Izmirly, P., Saxena, A., Belmont, M., Penfield, C., Lee, Y., Nusbaum, J., Acherman, R., Sinkovskaya, E., Abuhamad, et al
WILEY.2023: 3341-3344
- **Impact of Ventricular Dysfunction and Atrioventricular Valve Regurgitation on Pre-Fontan Attrition.** *The Annals of thoracic surgery*
Stack, K. O., Schluger, C., Roberts, A. L., Lawrence, K., Balsara, S., Hunt, M., Kaplinski, M., Gardner, M. M., Ravishankar, C., Rossano, J., Goldberg, D. J., Mahle, M., O'Connor, et al
2023
- **Knowledge is power: regarding SMFM Consult Series #64: Systemic lupus erythematosus in pregnancy.** *American journal of obstetrics and gynecology*
Cuneo, B. F., Buyon, J. P., Sammaritano, L., Jaeggi, E., Arya, B., Behrendt, N., Carvalho, J., Cohen, J., Cumbermack, K., DeVore, G., Doan, T., Donofrio, M. T., Freud, et al
2023
- **Contribution of Antibody Titers/Specificities to Adverse Pregnancy Outcomes in a Multicenter Prospective Study of anti-Ro Positive Mothers**
Fraser, N., Masson, M., Deonaraine, K., Carlucci, P., Phoon, C., Roman, A., Izmirly, P., Saxena, A., Belmont, M., Penfield, C., Lee, Y., Nusbaum, J., Solitar, et al
WILEY.2022: 1884-1886
- **Novel approaches to the surveillance and management of fetuses at risk for anti-Ro/SSA mediated atrioventricular block.** *Seminars in perinatology*

Kaplinski, M., Cuneo, B. F.
2022: 151585

- **Maternal Hyperoxygenation Testing in Fetuses with Hypoplastic Left-Heart Syndrome: Association with Postnatal Atrial Septal Restriction.** *Fetal diagnosis and therapy*
Mardy, C., Kaplinski, M., Peng, L., Blumenfeld, Y. J., Kwiatkowski, D. M., Tacy, T. A., Maskatia, S. A.
2021: 1-12
- **Left Ventricular Measurements and Strain in Pediatric Patients Evaluated for Systemic Hypertension and the Effect of Adequate Anti-hypertensive Treatment.** *Pediatric cardiology*
Kaplinski, M., Griffis, H., Liu, F., Tinker, C., Laney, N. C., Mendoza, M., Cohen, M. S., Meyers, K., Natarajan, S. S.
2021
- **Attrition between the superior cavopulmonary connection and the Fontan procedure in hypoplastic left heart syndrome.** *The Journal of thoracic and cardiovascular surgery*
Lawrence, K. M., Ittenbach, R. F., Hunt, M. L., Kaplinski, M., Ravishankar, C., Rychik, J., Steven, J. M., Fuller, S. M., Nicolson, S. C., Gaynor, J. W., Spray, T. L., Mascio, C. E.
2020
- **Decreasing Interstage Mortality After the Norwood Procedure: A 30-Year Experience.** *Journal of the American Heart Association*
Kaplinski, M., Ittenbach, R. F., Hunt, M. L., Stephan, D., Natarajan, S. S., Ravishankar, C., Giglia, T. M., Rychik, J., Rome, J. J., Mahle, M., Kennedy, A. T., Steven, J. M., Fuller, et al
2020: e016889
- **The Impact of Early Recognition and Treatment of Systemic Hypertension on Reducing Blood Pressure: The Hypertension and Vascular Evaluation Program.** *Clinical pediatrics*
Min, J., Griffis, H. M., Mendoza, M., Tam, V., Kaplinski, M., Kogon, A. J., Hanson, H., Meyers, K. E., Natarajan, S. S.
2020: 9922820927037
- **Clinical Innovation: A Multidisciplinary Program for the Diagnosis and Treatment of Systemic Hypertension in Children and Adolescents** *CLINICAL PEDIATRICS*
Kaplinski, M., Griffis, H., Liu, F., Tinker, C., Laney, N. C., Mendoza, M., Cohen, M. S., Meyers, K., Natarajan, S. S.
2020; 59 (3): 228–35
- **Outcomes for the superior cavopulmonary connection in children with hypoplastic left heart syndrome: a 30-year experience.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Hunt, M. L., Ittenbach, R. F., Kaplinski, M. n., Ravishankar, C. n., Rychik, J. n., Steven, J. M., Fuller, S. M., Nicolson, S. C., Spray, T. L., Gaynor, J. W., Mascio, C. E.
2020
- **Thirty years and 1663 consecutive Norwood procedures: Has survival plateaued?** *The Journal of thoracic and cardiovascular surgery*
Mascio, C. E., Irons, M. L., Ittenbach, R. F., Gaynor, J. W., Fuller, S. M., Kaplinski, M., Kennedy, A. T., Steven, J. M., Nicolson, S. C., Spray, T. L.
2019; 158 (1): 220-229
- **The association of elevated maternal genetic risk scores for hypertension, type 2 diabetes and obesity and having a child with a congenital heart defect.** *PLoS one*
Kaplinski, M., Taylor, D., Mitchell, L. E., Hammond, D. A., Goldmuntz, E., Agopian, A. J.
2019; 14 (5): e0216477
- **Characterising adequacy or inadequacy of the borderline left ventricle: what tools can we use?** *Cardiology in the young*
Kaplinski, M., Cohen, M. S.
2015; 25 (8): 1482-8
- **Sustained Domestic Vector Exposure Is Associated With Increased Chagas Cardiomyopathy Risk but Decreased Parasitemia and Congenital Transmission Risk Among Young Women in Bolivia.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Kaplinski, M., Jois, M., Galdos-Cardenas, G., Rendell, V. R., Shah, V., Do, R. Q., Marcus, R., Pena, M. S., Abastoflor, M. d., LaFuente, C., Bozo, R., Valencia, E., Verastegui, et al
2015; 61 (6): 918-26
- **Mobilizing your medications: an automated medication reminder application for mobile phones and hypertension medication adherence in a high-risk urban population.** *Journal of diabetes science and technology*

Patel, S., Jacobus-Kantor, L., Marshall, L., Ritchie, C., Kaplinski, M., Khurana, P. S., Katz, R. J.
2013; 7 (3): 630-9