

# Stanford

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## Vamsi Yarlagadda

Clinical Professor, Pediatrics - Cardiology

### CLINICAL OFFICE (PRIMARY)

- **Pediatric Heart Center**

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### Bio

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### CLINICAL FOCUS

- Pediatric Cardiac Critical Care
- Pediatric Critical Care Medicine

### ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Cardiology
- Member, Cardiovascular Institute

### ADMINISTRATIVE APPOINTMENTS

- Medical Director of CVICU, LPCH, (2018-2023)
- Co Chair Code Committee, LPCH, (2015-2017)
- Associate Director of CVICU, LPCH, (2016-2018)
- Director of Cardiac ECMO Program, LPCH, (2014-2018)

### PROFESSIONAL EDUCATION

- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (2008)
- Fellowship: Boston Children's Hospital Dept of Critical Care (2008) MA
- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2006)
- Fellowship: Boston Children's Hospital (2006) MA
- Board Certification: Pediatrics, American Board of Pediatrics (2003)
- Residency: Children's Medical Center of Dallas (2003) TX
- Internship: Children's Medical Center of Dallas (2001) TX
- Medical Education: Brown University School of Medicine (2000) RI
- Professional Education: Brown University School of Medicine (1996) RI

## Publications

### PUBLICATIONS

- **Short-Term Outcomes, Functional Status, and Risk Factors for Requiring Extracorporeal Life Support After Norwood Operation: A Single-Center Retrospective Study.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Beshish, A. G., Amedi, A., Harriott, A., Patel, S., Evans, S., Scheel, A., Xiang, Y., Keesari, R., Harding, A., Davis, J., Shashidharan, S., Yarlagadda, V., Aljiffry, et al  
2024; 70 (4): 328-335
- **Clinical Predictive Tool for Pediatric Cardiac Patients on Extracorporeal Membrane Oxygenation Therapy and Ultrafiltration.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Sedler, J., Sutherland, S. M., Uber, A. M., Jahadi, O., Ryan, K. R., Yarlagadda, V. V., Kwiatkowski, D. M.  
2023
- **Multidisciplinary Stroke Pathway for Children Supported with Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Lee, S., Ryan, K. R., Murray, J., Chen, S., Grant, G. A., Wilkins, S., Yarlagadda, V. V., Wintermark, M., Dodd, R., Rosenthal, D., Teuteburg, J., Navaratnam, M., Lee, et al  
2023
- **Respiratory Care for Neonates With Congenital Heart Disease.** *Pediatrics*  
Bronicki, R. A., Benitz, W. E., Buckley, J. R., Yarlagadda, V. V., Porta, N. F., Agana, D. O., Kim, M., Costello, J. M.  
2022; 150 (Suppl 2)
- **Functional Status Change Among Infants, Children, and Adolescents Following Extracorporeal Life Support: a Multicenter Report.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Beshish, A. G., Rodriguez, Z., Hani Farhat, M., Newman, J. W., Jahadi, O., Baginski, M., Bradley, J., Rao, N., Figueroa, J., Viamonte, H., Chanani, N. K., Owens, G. E., Barbaro, et al  
2022
- **Variable clinical severity in TANGO2 deficiency: Case series and literature review.** *American journal of medical genetics. Part A*  
Schymick, J., Leahy, P., Cowan, T., Ruzhnikov, M. R., Gates, R., Fernandez, L., Pramanik, G., Undiagnosed Diseases Network, Yarlagadda, V., Wheeler, M., Bernstein, J. A., Enns, G. M., Lee, C.  
2021
- **Durability of Pulmonary Valve Replacement with Large Diameter Stented Porcine Bioprostheses.** *Seminars in thoracic and cardiovascular surgery*  
Maeda, K., Lui, G. K., Zhang, Y., Maskatia, S. A., Romfh, A., Yarlagadda, V. V., Hanley, F. L., McElhinney, D. B.  
2021
- **Hyperoxia During Cardiopulmonary Bypass Is Associated With Mortality in Infants Undergoing Cardiac Surgery.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
Beshish, A. G., Jahadi, O., Mello, A., Yarlagadda, V. V., Shin, A. Y., Kwiatkowski, D. M.  
2021
- **Adverse Events Associated with Cardiac Catheterization in Children Supported with Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Power, A., Navaratnam, M., Murray, J. M., Peng, L. F., Rosenthal, D. N., Dykes, J. C., Yarlagadda, V. V., Maeda, K., Almond, C. S., Chen, S.  
2021
- **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
- **RAPID AORTIC HOMOGRAFT DEGENERATION AND VAD SUPPORT IN A NEONATE WITH SINGLE VENTRICLE HEART DISEASE**  
Ahmed, H., Chen, S., Yarlagadda, V., Almond, C., Murray, J., Rosenthal, D. N., Ma, M., Dykes, J., Maeda, K.  
ELSEVIER SCIENCE INC.2020: 2865
- **Evolution of Single Ventricular Assist Device Support for the Failing Bi-directional Glenn Patient.** *The Annals of thoracic surgery*

- Maeda, K., Nasirov, T., Yarlagadda, V., Hollander, S. A., Navaratnam, M., Rosenthal, D. N., Dykes, J. C., Kaufman, B. D., Almond, C. S., Reinhartz, O., Murray, J., Chen, S.  
2020
- **Bridge to Transplant with Ventricular Assist Device Support in Pediatric Patients with Single Ventricle Heart Disease** *ASAIO JOURNAL*  
Chen, S., Rosenthal, D. N., Murray, J., Dykes, J. C., Almond, C. S., Yarlagadda, V. V., Wright, G., Navaratnam, M., Reinhartz, O., Maeda, K.  
2020; 66 (2): 205–11
  - **Outcomes in Patients with Alagille Syndrome and Complex Pulmonary Artery Disease.** *The Journal of pediatrics*  
Luong, R. n., Feinstein, J. A., Ma, M. n., Ebel, N. H., Wise-Faberowski, L. n., Zhang, Y. n., Peng, L. F., Yarlagadda, V. V., Shek, J. n., Hanley, F. L., McElhinney, D. B.  
2020
  - **A Quality Bundle to Support High-Risk Pediatric Ventricular Assist Device Implantation.** *Pediatric cardiology*  
Knoll, C., Chen, S., Murray, J. M., Dykes, J. C., Yarlagadda, V. V., Rosenthal, D. N., Almond, C. S., Maeda, K., Shin, A. Y.  
2019
  - **Bridge to Transplant with Ventricular Assist Device Support in Pediatric Patients with Single Ventricle Heart Disease.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Chen, S., Rosenthal, D. N., Murray, J., Dykes, J. C., Almond, C. S., Yarlagadda, V. V., Wright, G., Navaratnam, M., Reinhartz, O., Maeda, K.  
2019
  - **Pulmonary hemorrhage in children with Alagille syndrome undergoing cardiac catheterization.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*  
Adamson, G. T., Peng, L. F., Feinstein, J. A., Yarlagadda, V. V., Lin, A. n., Wise-Faberowski, L. n., McElhinney, D. B.  
2019
  - **Outcomes of Infants Supported With Extracorporeal Membrane Oxygenation Using Centrifugal Versus Roller Pumps: An Analysis From the Extracorporeal Life Support Organization Registry.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
O'Halloran, C. P., Thiagarajan, R. R., Yarlagadda, V. V., Barbaro, R. P., Nasr, V. G., Rycus, P. n., Anders, M. n., Alexander, P. M.  
2019
  - **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
  - **Successful use of a ventricular assist device in a neonate with hypoplastic left heart syndrome with right ventricular dysfunction** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*  
Maeda, K., Yarlagadda, V. V., Rosenthal, D. N., Almond, C. S.  
2018; 156 (4): E171–E173
  - **Impact of Phrenic Nerve Palsy and Need for Diaphragm Plication Following Surgery for Pulmonary Atresia With Ventricular Septal Defect and Major Aortopulmonary Collaterals** *SEMINARS IN THORACIC AND CARDIOVASCULAR SURGERY*  
Greene, C. L., Mainwaring, R. D., Sidell, D., Yarlagadda, V. V., Patrick, W. L., Hanley, F. L.  
2018; 30 (3): 318–24
  - **An alternative cannulation approach for venovenous extracorporeal membrane oxygenation in children for long-term ambulatory support** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*  
Maeda, K., Ryan, K., Conrad, C. K., Yarlagadda, V. V.  
2018; 156 (1): E13–E14
  - **Successful use of a ventricular assist device in a neonate with hypoplastic left heart syndrome with right ventricular dysfunction.** *The Journal of thoracic and cardiovascular surgery*  
Maeda, K., Yarlagadda, V. V., Rosenthal, D. N., Almond, C. S.  
2018
  - **An alternative cannulation approach for venovenous extracorporeal membrane oxygenation in children for long-term ambulatory support.** *The Journal of thoracic and cardiovascular surgery*  
Maeda, K., Ryan, K., Conrad, C. K., Yarlagadda, V. V.

2018

- **Impact of Phrenic Nerve Palsy and Need for Diaphragm Plication Following Surgery for Pulmonary Atresia With Ventricular Septal Defect and Major Aortopulmonary Collaterals.** *Seminars in thoracic and cardiovascular surgery*

Greene, C. L., Mainwaring, R. D., Sidell, D., Yarlagadda, V. V., Patrick, W. L., Hanley, F. L.

2018

- **INSURANCE TYPE IS ASSOCIATED WITH LONGER HOSPITAL DURATION BUT SIMILAR MORTALITY AMONG CHILDREN UNDERGOING CONGENITAL HEART SURGERY**

Ryan, K., Algaze, C., Sakarovitch, C., Do, T., Yarlagadda, V., Fernandes, S., McElhinney, D., Roth, S., Krawczeski, C., Shin, A.

ELSEVIER SCIENCE INC.2017: 569

- **A novel inflow cannulation strategy for pediatric mechanical circulatory support in small left ventricles.** *journal of thoracic and cardiovascular surgery*

Ma, M., Yarlagadda, V. V., Rosenthal, D. N., Maeda, K.

2017

- **Left Ventricular Retraining and Double Switch in Patients With Congenitally Corrected Transposition of the Great Arteries.** *World journal for pediatric & congenital heart surgery*

Ibrahimiye, A. N., Mainwaring, R. D., Patrick, W. L., Downey, L., Yarlagadda, V., Hanley, F. L.

2017; 8 (2): 203-209

- **Temporary Circulatory Support in U.S. Children Awaiting Heart Transplantation.** *Journal of the American College of Cardiology*

Yarlagadda, V. V., Maeda, K. n., Zhang, Y. n., Chen, S. n., Dykes, J. C., Gowen, M. A., Shuttleworth, P. n., Murray, J. M., Shin, A. Y., Reinhartz, O. n., Rosenthal, D. N., McElhinney, D. B., Almond, et al

2017; 70 (18): 2250–60

- **Alternative Strategy for Biventricular Assist Device in an Infant With Hypertrophic Cardiomyopathy.** *The Annals of thoracic surgery*

Dykes, J. C., Reinhartz, O. n., Almond, C. S., Yarlagadda, V. n., Murray, J. n., Rosenthal, D. N., Maeda, K. n.

2017; 104 (2): e185–e186

- **Anesthesia for Placement of a Paracorporeal Lung Assist Device and Subsequent Heart-Lung Transplantation in a Child with Suprasystemic Pulmonary Hypertension and End-Stage Respiratory Failure.** *A & A case reports*

Char, D. S., Yarlagadda, V., Maeda, K., Williams, G.

2016; 6 (10): 308-310

- **Major Causes of Stroke in Children With Congenital and Acquired Heart Disease.**

Elbers, J., Lee, E., Yarlagadda, V. V., Lo, C., Hanisch, D., Lin, A., Almond, C. S., Shin, A. Y.

LIPPINCOTT WILLIAMS & WILKINS.2016