

# Stanford

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## Kathleen Ryan

Clinical Associate Professor, Pediatrics - Cardiology

### CLINICAL OFFICE (PRIMARY)

- **Pediatric Cardiology**

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### Bio

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#### CLINICAL FOCUS

- Pediatric Critical Care Medicine
- Pediatric Cardiac Critical Care

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Cardiology

#### PROFESSIONAL EDUCATION

- Board Certification: Pediatrics, American Board of Pediatrics (2019)
- Fellowship: Boston Children's Hospital (2015) MA
- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (2014)
- Fellowship: Boston Children's Hospital (2014) MA
- Residency: Boston Children's Hospital (2011) MA
- Medical Education: University of Massachusetts Medical School (2008) MA

### Research & Scholarship

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#### CLINICAL TRIALS

- Trial of Indication-Based Transfusion of Red Blood Cells in ECMO, Recruiting

### Publications

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#### PUBLICATIONS

- **Defining the Standard in Extracorporeal Membrane Oxygenation Education: A Necessary Beginning.** *ATS scholar*  
Han, P. K., Dibert, T., Ryan, K. R.  
2024; 5 (1): 1-4
- **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
  - **Foundations of a life support equipment exchange platform.** *The journal of extra-corporeal technology*  
Sleasman, J. R., Hijawi, U., Alsalemi, A., Rabie, M., Noorizadeh, M., Stead, A., Cooley, C., Donnelly, C., Haft, J. W., Abrams, D., Stead, C., Ryan, K. R., Rycus, et al  
2023; 55 (1): 39-43
  - **A Scoping Review and Appraisal of Extracorporeal Membrane Oxygenation Education Literature.** *ATS scholar*  
Han, P. K., Purkey, N. J., Kuo, K. W., Ryan, K. R., Woodward, A. L., Jahadi, O., Prom, N. L., Halamek, L. P., Johnston, L. C.  
2022; 3 (3): 468-484
  - **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
  - **Neurosurgical intervention in children with ventricular assist devices: A single center case series review.** *Paediatric anaesthesia*  
Yu, J., Murray, J., Ramamoorthy, C., Chen, S., Lee, S., Ryan, K., Maeda, K., Navaratnam, M.  
2021
  - **Evaluation of Seizure Risk in Infants After Cardiopulmonary Bypass in the Absence of Deep Hypothermic Cardiac Arrest.** *Neurocritical care*  
Levy, R. J., Mayne, E. W., Sandoval Karamian, A. G., Iqbal, M., Purington, N., Ryan, K. R., Wusthoff, C. J.  
2021
  - **Mid-Term Outcomes After Unifocalization Guided by Intraoperative Pulmonary Flow Study.** *World journal for pediatric & congenital heart surgery*  
Goodman, A., Ma, M., Zhang, Y., Ryan, K. R., Jahadi, O., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.  
2021; 12 (1): 76-83
  - **Compassionate Deactivation of Pediatric Ventricular Assist Devices: A Review of 14 Cases.** *Journal of pain and symptom management*  
Hollander, S. A., Kaufman, B. D., Bui, C. n., Gregori, B. n., Murray, J. M., Sacks, L. n., Ryan, K. R., Ma, M. n., Rosenthal, D. N., Char, D. n.  
2021
  - **Commentary: A new option for patch material on coronary artery ostium plasty** *JTCVS TECHNIQUES*  
Maeda, K., Ryan, K. R.  
2020; 4: 235-236
  - **Commentary: A new option for patch material on coronary artery ostium plasty.** *JTCVS techniques*  
Maeda, K., Ryan, K. R.  
2020; 4: 235-236
  - **Continuous EEG for Seizure Detection in Neonates after Cardiac Bypass without Deep Hypothermic Cardiac Arrest**  
Levy, R., Karamian, A., Mayne, E., Iqbal, M., Purington, N., Ryan, K., Wusthoff, C.  
LIPPINCOTT WILLIAMS & WILKINS.2020
  - **The Use of Clevidipine for Hypertension in Pediatric Patients Receiving Mechanical Circulatory Support.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
Wu, M. n., Ryan, K. R., Rosenthal, D. N., Jahadi, O. n., Moss, J. n., Kwiatkowski, D. M.  
2020
  - **Developments in Pediatric Ventricular Assist Device Support.** *World journal for pediatric & congenital heart surgery*  
Tume, S. C., Conway, J., Ryan, K. R., Philip, J., Fortkiewicz, J. M., Murray, J.  
2019: 2150135119880890

- **Neurodevelopmental Outcomes Among Children With Congenital Heart Disease: At-Risk Populations and Modifiable Risk Factors.** *World journal for pediatric & congenital heart surgery*  
Ryan, K. R., Jones, M. B., Allen, K. Y., Marino, B. S., Casey, F., Wernovsky, G., Lisanti, A. J.  
2019: 2150135119878702
- **Vasoplegia after pediatric cardiac transplantation in patients supported with a continuous flow ventricular assist device** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*  
Sacks, L. D., Hollander, S. A., Zhang, Y., Ryan, K. R., Ford, M. A., Maeda, K., Murray, J. M., Almond, C. S., Kwiatkowski, D. M.  
2019; 157 (6): 2433–40
- **Vasoplegia after pediatric cardiac transplantation in patients supported with a continuous flow ventricular assist device.** *The Journal of thoracic and cardiovascular surgery*  
Sacks, L. D., Hollander, S. A., Zhang, Y., Ryan, K. R., Ford, M. A., Maeda, K., Murray, J. M., Almond, C. S., Kwiatkowski, D. M.  
2019
- **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
- **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