



## Lindsey Rasmussen

- Clinical Professor, Pediatrics - Critical Care
- Clinical Associate Professor (By courtesy), Adult Neurology

### CLINICAL OFFICE (PRIMARY)

- **Division of Pediatric Critical Care**

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Nancy Calderon Valenzuela - Administrative Associate

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**Tel** 650-497-4677

### Bio

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#### CLINICAL FOCUS

- Pediatric Critical Care Medicine
- Neurocritical Care

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Critical Care
- Clinical Associate Professor (By courtesy), Adult Neurology
- Member, Maternal & Child Health Research Institute (MCHRI)

#### ADMINISTRATIVE APPOINTMENTS

- Director Pediatric Neurocritical care, Critical Care Medicine, (2018- present)
- Associate Medical Director, Pediatric Intensive Care Unit, (2020- present)
- Advising APD, Advising APD, Combined Pediatric-Anesthesiology Residency, (2023- present)

#### HONORS AND AWARDS

- Mid Career Clinical Excellence Award, Stanford University (2023)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Elected Member at large, Medical Executive Committee, Stanford University (2023 - present)
- member, Pediatric Neurocritical Care Research Group (PNCRG) (2016 - present)
- Member, Council on Child Abuse and Neglect (COCAN), American Academy of Pediatrics (2019 - 2020)
- Appointed Committee Member, Post Graduate and Fellowship Education Committee, Society of Critical Care Medicine (SCCM) (2017 - 2020)
- Elected Secretary/Treasurer, Pediatric Neurocritical Care Research Group (PNCRG) (2021 - 2023)
- Co-Chair, Brain & Behavior Quality Assurance and Performance Improvement Committee (2019 - present)
- Co-Chair, Professional Practice Evaluation Committee. Lucile Packard Children's Hospital, Stanford University (2018 - present)

- Member, Society of Critical Care Medicine (SCCM) (2013 - present)
- Member, Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) (2016 - present)
- Member, Pediatric Neurocritical Care Research Group (PNCRG) (2016 - present)
- Member, Neurocritical Care Society (NCS) Pediatric Neurocritical Care Section (2018 - present)
- Fellow, American Academy of Pediatrics (2017 - present)

## PROFESSIONAL EDUCATION

- Medical Education: Medical College Of Wisconsin (2010) WI
- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (2016)
- Fellowship: Johns Hopkins University School of Medicine (2016) MD
- Board Certification: Pediatrics, American Board of Pediatrics (2013)
- Residency: Children's National Medical Center (2013) DC

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests reside in the field of Neurocritical Care Medicine and stem from my experience developing and directing Stanford's comprehensive Pediatric Neurocritical Care program. I am interested in neuro-prognostication and neuro-monitoring in the pediatric intensive care setting. These interests are integrated clinically to focus on optimal care for pediatric patients with neurologic injury, through specialized nursing and physician care, protocols, and physiologic considerations.

### CLINICAL TRIALS

- Phase I GD2 CAR T Cells for H3K27M-mutant Diffuse Midline Glioma (DMG), Recruiting

## Publications

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### PUBLICATIONS

- **COMPARISON OF INTRAOPERATIVE ANTIEMETICS FOR PEDIATRIC CHIARI DECOMPRESSION**

Ford, H., Teeyagura, P., Dang, I., Chen, M., Rasmussen, L.  
LIPPINCOTT WILLIAMS & WILKINS.2026

- **Temporal trends and risk factors for bleeding and thrombosis in pediatric ECMO: A multicenter cohort study.** *Perfusion*

Doré, K. J., Kelly, C. M., Cornell, T. T., Rasmussen, L. K., Burk, S., Loftis, L. L., Allen, C., Bembea, M. M., Boville, B. M., Furlong-Dillard, J., Kaipa, S., Norton, B., Viamonte, et al  
2025: 2676591251365417

- **Association between age-based blood pressure parameters and outcomes after intracerebral hemorrhage in children.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*

Chang, N., Poon, D., Basnett, K., Casazza, M., Rasmussen, L.  
2025; 41 (1): 244

- **Assessing Functional Outcomes in the Pediatric Neurocritical Care Population after Discharge: A Pilot Study.** *Hospital pediatrics*

Sperber, A. M., Chang, N., Casazza, M., Teeyagura, P., Thompson, J. A., Pyke-Grimm, K., Kelly, M. S., Rasmussen, L. K.  
2025

- **Author Correction: Intravenous and intracranial GD2-CAR T cells for H3K27M+ diffuse midline gliomas.** *Nature*

Monje, M., Mahdi, J., Majzner, R., Yeom, K. W., Schultz, L. M., Richards, R. M., Barsan, V., Song, K. W., Kamens, J., Baggott, C., Kunicki, M., Rietberg, S. P., Lim, et al

2024

- **Intravenous and intracranial GD2-CAR T cells for H3K27M+ diffuse midline gliomas.** *Nature*  
Monje, M., Mahdi, J., Majzner, R., Yeom, K. W., Schultz, L. M., Richards, R. M., Barsan, V., Song, K. W., Kamens, J., Baggott, C., Kunicki, M., Rietberg, S. P., Lim, et al  
2024
- **Short-term neurologic outcomes in pediatric extracorporeal membrane oxygenation are proportional to bleeding severity graded by a novel bleeding scale.** *Perfusion*  
Doane, K., Guffey, D., Loftis, L. L., Nguyen, T. C., Musick, M. A., Ruth, A., Coleman, R. D., Teruya, J., Allen, C., Bembea, M. M., Boville, B., Furlong-Dillard, J., Kaipa, et al  
2024: 2676591241293673
- **Sustainability of a Pediatric Neurointensive Care Unit Model Within a Mixed Pediatric Intensive Care Unit and Its Effect on Nursing Sentiment** *JOURNAL OF NEUROSCIENCE NURSING*  
Chang, N., Casazza, M., Sperber, A., Ciraulo, L., Rodriguez, J., Marquiss, K., D'Anjou, L., Teeyagura, P., Chaillou, A., Palmquist, A., Rasmussen, L.  
2024; 56 (4): 123-129
- **Corrigendum: Post-discharge outcomes of hospitalized children diagnosed with acute SARS-CoV-2 or MIS-C.** *Frontiers in pediatrics*  
Fink, E. L., Alcamo, A. M., Lovett, M., Hartman, M., Williams, C., Garcia, A., Rasmussen, L., Pal, R., Drury, K., MackDiaz, E., Ferrazzano, P. A., Dervan, L., Appavu, et al  
2024; 12: 1440609
- **SEQUENTIAL INTRAVENOUS AND INTRACEREBROVENTRICULAR GD2-CAR T-CELL THERAPY FOR H3K27M-MUTATED DIFFUSE MIDLINE GLIOMAS**  
Monje, M., Mahdi, J., Majzner, R. G., Yeom, K., Schultz, L. M., Richards, R., Barsan, V., Song, K., Kamens, J., Baggott, C., Kunicki, M., Lim, A., Reschke, et al  
OXFORD UNIV PRESS INC.2024
- **Severe Pediatric Neurological Manifestations With SARS-CoV-2 or MIS-C Hospitalization and New Morbidity.** *JAMA network open*  
Francoeur, C., Alcamo, A. M., Robertson, C. L., Wainwright, M. S., Roa, J. D., Lovett, M. E., Stulce, C., Yacoub, M., Potera, R. M., Zivick, E., Holloway, A., Nagpal, A., Wellnitz, et al  
2024; 7 (6): e2414122
- **Agreement between noninvasive oscillometric and invasive intra-arterial blood pressure in children with ruptured brain arteriovenous malformations.** *Clinical neurology and neurosurgery*  
Chang, N., Poon, D., Casazza, M., Medrano, A., Basnett, K., Koilparampil, L., Rasmussen, L.  
2024; 243: 108363
- **Multidisciplinary Consensus on Curricular Priorities for Pediatric Neurocritical Care Nursing Education: A Modified Delphi Study in the United States.** *Neurocritical care*  
Chang, N., Louderback, L., Hammett, H., Hildebrandt, K., Prendergast, E., Sperber, A., Casazza, M., Landess, M., Little, A., Rasmussen, L., Pediatric Neurocritical Care Research Group Nursing Committee  
2024
- **High Variability in the Duration of Chest Compression Interruption is Associated With Poor Outcomes in Pediatric Extracorporeal Cardiopulmonary Resuscitation.** *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, P., Rasmussen, L., Su, F., Dacre, M., Knight, L., Berg, M., Tawfik, D., Haileselassie, B.  
2024
- **Post-discharge outcomes of hospitalized children diagnosed with acute SARS-CoV-2 or MIS-C.** *Frontiers in pediatrics*  
Fink, E. L., Alcamo, A. M., Lovett, M., Hartman, M., Williams, C., Garcia, A., Rasmussen, L., Pal, R., Drury, K., MackDiaz, E., Ferrazzano, P. A., Dervan, L., Appavu, et al  
2024; 12: 1340385
- **THE IDEAL SCENARIO: DOSING IVIG USING IBW VERSUS ABW IN PEDIATRIC AUTOIMMUNE ENCEPHALITIS**  
Alvarez, J., Moss, J., Rasmussen, L.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S347
- **EPIDEMIOLOGY OF INTRACRANIAL HEMORRHAGE IN CHILDREN SUPPORTED BY EXTRACORPOREAL MEMBRANE OXYGENATION**

Mahmood, H., Alexander, P., Vogel, A., Thomas, C., Bembea, M., Norton, B., Schmoker, J., Rasmussen, L., Haileselassie, B., Todd-Tzanetos, D., Furlong-Dillard, J., Boville, B., Leimanis-Laurens, et al  
LIPPINCOTT WILLIAMS & WILKINS.2024: S364

● **THE IDEAL SCENARIO: DOSING IVIG USING IBW VERSUS ABW IN PEDIATRIC AUTOIMMUNE ENCEPHALITIS**

Alvarez, J., Moss, J., Rasmussen, L.  
LIPPINCOTT WILLIAMS & WILKINS.2024

● **EPIDEMIOLOGY OF INTRACRANIAL HEMORRHAGE IN CHILDREN SUPPORTED BY EXTRACORPOREAL MEMBRANE OXYGENATION**

Mahmood, H., Alexander, P., Vogel, A., Thomas, C., Bembea, M., Norton, B., Schmoker, J., Rasmussen, L., Haileselassie, B., Todd-Tzanetos, D., Furlong-Dillard, J., Boville, B., Leimanis-Laurens, et al  
LIPPINCOTT WILLIAMS & WILKINS.2024

● **Knowledge and Practice Gaps in Pediatric Neurocritical Care Nursing: Lessons Learned From a Specialized Educational Boot Camp.** *Critical care explorations*

Chang, N., Sperber, A., Casazza, M., Ciraulo, L., Teeyagura, P., Rasmussen, L.  
2023; 5 (12): e1018

● **Pediatric Moyamoya Revascularization Perioperative Care: A Modified Delphi Study.** *Neurocritical care*

Sun, L. R., Jordan, L. C., Smith, E. R., Aldana, P. R., Kirschen, M. P., Guilliams, K., Gupta, N., Steinberg, G. K., Fox, C., Harrar, D. B., Lee, S., Chung, M. G., Dirks, et al  
2023

● **Performance of a Provider-Assigned Functional Outcome Score in Critically Ill Children.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*

Wilson, N. E., Su, F., DaCar, A., Chang, N., Kapphahn, K., Schroeder, A. R., Tawfik, D. S., Knight, L., Rasmussen, L.  
2023

● **Novel serum biomarkers associated with pediatric hepatic encephalopathy: A systematic review.** *Journal of pediatric gastroenterology and nutrition*

Krishnan, K., Rao, M., Chang, N., Casazza, M., Rasmussen, L. K.  
2023

● **Proceedings of the First Pediatric Coma and Disorders of Consciousness Symposium by the Curing Coma Campaign, Pediatric Neurocritical Care Research Group, and NINDS: Gearing for Success in Coma Advancements for Children and Neonates.** *Neurocritical care*

Boerwinkle, V. L., Schor, N. F., Slomine, B. S., Molteni, E., Ramirez, J., Rasmussen, L., Wyckoff, S. N., Gonzalez, M. J., Gillette, K., Schober, M. E., Wainwright, M., Suarez, J. I.  
2023

● **23.4% SODIUM CHLORIDE ADMINISTRATION FOR NEUROLOGIC EMERGENCIES AT A CHILDREN'S HOSPITAL**

Vadasz, E., Moss, J., Rasmussen, L.  
LIPPINCOTT WILLIAMS & WILKINS.2023: 405

● **Effect of clevidipine on intracranial pressure in pediatric neurosurgical patients: a single-center retrospective review.** *Journal of neurosurgery. Pediatrics*

Vadasz, E., Moss, J., Chang, N., Casazza, M., Rasmussen, L.  
2022: 1-6

● **Exploring Trends in Neuromonitoring Use in a General Pediatric ICU: The Need for Standardized Guidance.** *Children (Basel, Switzerland)*

Chang, N., Rasmussen, L.  
2022; 9 (7)

● **Major tumor regressions in H3K27M-mutated diffuse midline glioma (DMG) following sequential intravenous (IV) and intracerebroventricular (ICV) delivery of GD2-CAR T cells**

Majzner, R. G., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, A., Baggott, et al  
AMER ASSOC CANCER RESEARCH.2022

● **MAJOR TUMOR REGRESSIONS IN H3K27M-MUTATED DIFFUSE MIDLINE GLIOMA (DMG) FOLLOWING SEQUENTIAL INTRAVENOUS (IV) AND INTRACEREBROVENTRICULAR (ICV) DELIVERY OF GD2-CAR T-CELLS**

Monje, M., Majzner, R., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, et al

OXFORD UNIV PRESS INC.2022: 20-21

- **A PHASE I TRIAL OF PANOBINOSTAT FOLLOWING RADIATION THERAPY IN CHILDREN WITH DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG) OR H3K27M-MUTATED THALAMIC DIFFUSE MIDLINE GLIOMA (DMG): REPORT FROM THE PEDIATRIC BRAIN TUMOR CONSORTIUM (PBTC-047)**  
Monje, M., Cooney, T., Glod, J., Huang, J., Baxter, P., Vinitsky, A., Kilburn, L., Robison, N. J., Peer, C. J., Figg, W. D., Fouladi, M., Fangusaro, J., Onar-Thomas, et al  
OXFORD UNIV PRESS INC.2022: 19
- **Continuing Care For Critically Ill Children Beyond Hospital Discharge: Current State of Follow-up.** *Hospital pediatrics*  
Williams, C. N., Hall, T. A., Francoeur, C., Kurz, J., Rasmussen, L., Hartman, M. E., O'meara, A. I., Ferguson, N. M., Fink, E. L., Walker, T., Drury, K., Carpenter, J. L., Erklauer, et al  
2022
- **GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas.** *Nature*  
Majzner, R. G., Ramakrishna, S., Yeom, K. W., Patel, S., Chinnasamy, H., Schultz, L. M., Richards, R. M., Jiang, L., Barsan, V., Mancusi, R., Geraghty, A. C., Good, Z., Mochizuki, et al  
2022
- **Prevalence and Risk Factors of Neurologic Manifestations in Hospitalized Children Diagnosed with Acute SARS-CoV-2 or MIS-C.** *Pediatric neurology*  
Fink, E. L., Robertson, C. L., Wainwright, M. S., Roa, J. D., Lovett, M. E., Stulce, C., Yacoub, M., Potera, R. M., Zivick, E., Holloway, A., Nagpal, A., Wellnitz, K., Czech, et al  
1800; 128: 33-44
- **GD2 CAR T cells mediate clinical activity and manageable toxicity in children and young adults with DIPG and H3K27M-mutated diffuse midline gliomas.**  
Majzner, R. G., Ramakrishna, S., Mochizuki, A., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Richards, R., Campen, C., Reschke, A., Mahdi, J., Toland, A., Baggott, et al  
AMER ASSOC CANCER RESEARCH.2021
- **SINGLE CELL RNA SEQUENCING FROM THE CSF OF SUBJECTS WITH H3K27M+DIPG/DMG TREATED WITH GD2 CAR T-CELLULAR THERAPY**  
Mochizuki, A., Ramakrishna, S., Good, Z., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Richards, R., Campen, C., Reschke, A., Mahdi, J., Toland, A., Baggot, et al  
OXFORD UNIV PRESS INC.2021: 39
- **Sedation and Analgesia in Brain-Injured Children** *Sedation and Analgesia for the Pediatric Intensivist: A Clinical Guide*  
Rasmussen, L.  
Springer.2020; 1
- **NAUSEA AND VOMITING AFTER CRANIOTOMY IN THE PEDIATRIC ICU: INCIDENCE AND VARIATIONS IN PRACTICE**  
Chang, N., Duethman, L., Young, N., Rasmussen, L.  
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Characteristics of Pediatric Extracorporeal Membrane Oxygenation Programs in the United States and Canada.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Troy, L. n., Su, F. n., Kilbaugh, T. n., Rasmussen, L. n., Kuo, T. n., Jett, E. n., Cornell, T. n., Berg, M. n., Haileselassie, B. n.  
2020
- **Trauma Bay Disposition of Infants and Young Children With Mild Traumatic Brain Injury and Positive Head Imaging** *Pediatric Critical Care Medicine*  
Noje, C., Jackson, E., Nasr, I., Costabile, P., Cerullo, M., Hoops, K., Rasmussen, L., Henderson, E., Ziegfeld, S., Puett, L., Robertson, C.  
2019
- **INFRASTRUCTURE AND PRACTICE CHARACTERISTICS OF PEDIATRIC ECMO PROGRAMS ACROSS NORTH AMERICA**  
Troy, L., Su, F., Berg, M., Rasmussen, L., Kuo, T., Jett, E., Jacobs, K., Haileselassie, B.  
LIPPINCOTT WILLIAMS & WILKINS.2019
- **A Case Series of Parechovirus Encephalopathy: Apnea and Autonomic Dysregulation in Critically Ill Infants** *JOURNAL OF CHILD NEUROLOGY*  
Ristagno, E. H., Bhalla, S. C., Rasmussen, L. K.

2018; 33 (12): 788–93

- **Traumatic Injury Leads to Inflammation and Altered Tryptophan Metabolism in the Juvenile Rabbit Brain** *JOURNAL OF NEUROTRAUMA*  
Zhang, Z., Rasmussen, L., Saraswati, M., Koehler, R. C., Robertson, C., Kannan, S.  
2019; 36 (1): 74–86
- **Neurocritical Care for Severe Pediatric Traumatic Brain Injury**  
Rasmussen, L., Raghupathi, R., Lang Chen, S., Huh, J., Su, F.  
Medscape Drugs and Diseases.  
2018
- **Albuterol Use in Children Hospitalized with Human Metapneumovirus Respiratory Infection** *INTERNATIONAL JOURNAL OF PEDIATRICS*  
Rasmussen, L. K., Schuette, J., Spaeder, M. C.  
2016: 7021943
- **PERIPHERAL IMMUNE RESPONSE AFTER PEDIATRIC TRAUMATIC BRAIN INJURY IN RABBIT**  
Rasmussen, L., Zhang, Z., Saraswati, M., Kannan, S., Robertson, C.  
MARY ANN LIEBERT, INC.2015: A88
- **Infrastructure and Practice Characteristics of Pediatric ECMO Programs in the US and Canada** *Society of Critical Care Medicine*  
Troy, L., Su, F., Berg, M., Rasmussen, L., Kuo, T., Jett, E., Jacobs, K., Haileselassie, B.  
2019