Stanford



Roshni Mathew

Clinical Professor, Pediatrics - Infectious Diseases

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Linda Lambert
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Bio

CLINICAL FOCUS

- Pediatric Infectious Diseases

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Medical Director, Infection Prevention and Control at LPCH, (2021- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Infectious Diseases Society of America (2008 - present)
- Member, Society for Healthcare Epidemiology of America (2012 - present)
- Member, Pediatric Infectious Diseases Society (2012 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Pediatric Infectious Disease Fellowship (2011) CA
- Residency: University of Illinois at Chicago Pediatric Residency (2008) IL
- Board Certification: Pediatric Infectious Diseases, American Board of Pediatrics (2011)
- Board Certification: Pediatrics, American Board of Pediatrics (2008)
- Medical Education: Jawaharlal Nehru Medical College (2003) India

Publications

PUBLICATIONS

- **Pediatric gastrointestinal surgical site infections: a case-control study.** *Infection control and hospital epidemiology*

Khoury, V., Viana Cardenas, E. P., Lee, G. M., Burns, J. E., Tran, J., Krishna, S., Valencia, A., Davis, W., Madhavan, G., Chao, S., Rosenthal, A., Salinas, J. L., Mathew, et al
2026: 1-9

- **Infection prevention and control of Candida auris in pediatric settings** *ANTIMICROBIAL STEWARDSHIP & HEALTHCARE EPIDEMIOLOGY*
  Murray, T. S., Hakim, H., Ilboudo, C., Ramirez-Avila, L., Shaw, J., Stillwell, T., Budo, P., Ebruke, B., Fleiss, N., Green, A., Linam, M., Mathew, R., McDougal, et al
  2026; 6 (1)

- **Neonatal management and outcomes in the setting of disseminated coccidioidomycosis in pregnancy.** *Journal of perinatology : official journal of the California Perinatal Association*
  Darmawan, D. O., Mathew, R., Pasca, A. M., Aziz, N., Zhang, X., Kappagoda, S., Waldrop, A. R., Markwei, M., O'Brien, L. E.
  2026

- **Reduced Duration of Isolation and Impact on Rates of Healthcare-Associated Multidrug-Resistant Organisms in a Pediatric Medical Center.** *American journal of infection control*
  Rosenthal, A., Farhat, N., Krishna, S., Fishbein, J., Valencia, A., Prati, A., Holland, K., Burns, J. E., Mathew, R.
  2026

- **Antibiotic Prophylaxis for Gastrointestinal Surgery Among Neonates and Very Young Infants: National Patterns, Outcomes, and Opportunities for Precision Stewardship.** *The Journal of pediatrics*
  Thobani, H., Mathew, R., Ehsan, A. N., Moturu, A., Khan, M. O., Bio, L., Sankar, M., Tirrell, T. F., Shah, A. A., Thorson, C. M., Raymond, S. L., Islam, S., Sylvester, et al
  2025: 114839

- **Antibiotic Stewardship in Pediatric Complicated Appendicitis: Assessing the Role of Oral Antibiotics after Discharge.** *Journal of pediatric surgery*
  Thobani, H., Nepomuceno, H. M., Schwab, M. E., Emengo, P. O., Khan, R., Raymond, S. L., Shah, A. A., Mathew, R., Tirrell, T. F., Islam, S., Sylvester, K. G., Khan, F. A.
  2025: 162594

- **Use of temporary tracheostomy occlusion to reduce the risk of sternal wound infection after sternotomy in congenital cardiac surgery.** *Cardiology in the young*
  Azimzadeh, J. B., Sidell, D. R., Balakrishnan, K., Mathew, R., Asija, R., Rutter, M. J., Meister, K. D.
  2024: 1-6

- **Impact of cell-free DNA fungal polymerase chain reaction panels on healthcare-associated infection mould investigations.** *Journal of infection prevention*
  Rosenthal, A., Prati, A., Kushner, L. E., Valencia, A., Mathew, R.
  2023; 24 (5): 223-227

- **Mycobacterium marinum Infection after Iguana Bite in Costa Rica.** *Emerging infectious diseases*
  Mah, J., Walding, K., Liang, B., Rinsky, L., Mathew, R., Budvytiene, I., Banaei, N.
  2023; 29 (6): 1278-1280

- **The Association Between Central Line-Associated Bloodstream Infection and Central Line Access.** *Critical care medicine*
  Ward, A., Chemparathy, A., Seneviratne, M., Gaskari, S., Mathew, R., Wood, M., Donnelly, L. F., Lee, G. M., Scheinker, D., Shin, A. Y.
  2023

- **Importance of inclusive leadership in the pandemic response: the critical role of the physician.** *BMJ leader*
  Destino, L., Lin, A., Mathew, R., Lee, T., Aziz, N., Claura, R., Kim, J., Lee, G.
  2023

- **Importance of inclusive leadership in the pandemic response: the critical role of the physician** *BMJ LEADER*
  Destino, L., Lin, A., Mathew, R., Lee, T., Aziz, N., Claura, R., Kim, J., Lee, G.
  2023

- **Pediatric surgical site infections in 287 hospitals in the United States, 2015-2018.** *Infection control and hospital epidemiology*
  Mathew, R., Salinas, J. L., Hsu, H. E., Jin, R., Rhee, C., Lee, G. M.
  2022: 1-3

- **Fatal nocardiosis infection in a pediatric patient with an immunodeficiency after heart re-transplantation.** *Pediatric transplantation*
  Mai, D. H., Sedler, J., Weinberg, K., Bernstein, D., Schroeder, A., Mathew, R., Chen, S., Lee, D., Dykes, J. C., Hollander, S. A.
  2022: e14344

- **Novel Utilization of Strand-Specific Reverse Transcription Polymerase Chain Reaction in Perioperative Clinical Decision Making for SARS-CoV-2 Polymerase Chain Reaction Positive Patients.** *Paediatric anaesthesia*
  Jette, C. G., Wang, T., Wang, E., Man, J. Y., Mireles, S., Maass, B., Mathew, R., Pinsky, B. A., Claure, R., D'Souza, G.
  2022

- **Development and Implementation of a Real-time Bundle-adherence Dashboard for Central Line-associated Bloodstream Infections.** *Pediatric quality & safety*
  Chemparathy, A., Seneviratne, M. G., Ward, A., Mirchandani, S., Li, R., Mathew, R., Wood, M., Shin, A. Y., Donnelly, L. F., Scheinker, D., Lee, G. M.
  2021; 6 (4): e431

- **Post-vaccination SARS-CoV-2 infections and incidence of presumptive B.1.427/B.1.429 variant among healthcare personnel at a northern California academic medical center.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
  Jacobson, K. B., Pinsky, B. A., Montez Rath, M. E., Wang, H., Miller, J. A., Skhiri, M., Shepard, J., Mathew, R., Lee, G., Bohman, B., Parsonnet, J., Holubar, M.
  2021

- **"For COVID" or "With COVID": Classification of SARS-CoV-2 Hospitalizations in Children.** *Hospital pediatrics*
  Kushner, L. E., Schroeder, A. R., Kim, J., Mathew, R.
  2021

- **Strand Specific Reverse Transcription PCR for Detection of Replicating SARS-CoV-2** *EMERGING INFECTIOUS DISEASES*
  Hogan, C. A., Huang, C., Sahoo, M. K., Wang, H., Jiang, B., Sibai, M., Holubar, M., Mathew, R., Zehnder, J., Pinsky, B. A.
  2021; 27 (2): 632–35

- **SARS-CoV-2 Seroprevalence in Healthcare Personnel in Northern California Early in the COVID-19 Pandemic.** *Infection control and hospital epidemiology*
  Rosser, J. I., Roltgen, K., Dymock, M., Shepard, J., Martin, A., Hogan, C. A., Blomkalns, A., Mathew, R., Parsonnet, J., Pinsky, B. A., Maldonado, Y. A., Boyd, S. D., Chang, et al
  2020: 1–27

- **Reduction of Central Line-associated Bloodstream Infection Through Focus on the Mesosystem: Standardization, Data, and Accountability.** *Pediatric quality & safety*
  Mathew, R., Simms, A., Wood, M., Taylor, K., Ferrari, S., Rhein, M., Margallo, D., Bain, L. C., Valencia, A. K., Bargmann-Losche, J., Donnelly, L. F., Lee, G. M.
  2020; 5 (2): e272

- **Differences in Central Line-Associated Bloodstream Infection Rates Based on the Criteria Used to Count Central Line Days.** *JAMA*
  Scheinker, D., Ward, A., Shin, A. Y., Lee, G. M., Mathew, R., Donnelly, L. F.
  2020; 323 (2): 183–85

- **COVID-19 and Kawasaki Disease: Novel Virus and Novel Case.** *Hospital pediatrics*
  Jones, V. G., Mills, M. n., Suarez, D. n., Hogan, C. A., Yeh, D. n., Bradley Segal, J. n., Nguyen, E. L., Barsh, G. R., Maskatia, S. n., Mathew, R. n.
  2020

- **Health Care-Associated Infections Among Critically Ill Children in the US, 2013-2018.** *JAMA pediatrics*
  Hsu, H. E., Mathew, R. n., Wang, R. n., Broadwell, C. n., Horan, K. n., Jin, R. n., Rhee, C. n., Lee, G. M.
  2020

- **Mucormycosis diagnosed during induction chemotherapy in five pediatric patients with acute lymphoblastic leukemia.** *Pediatric blood & cancer*
  Aftandilian, C., Eguiguren, L., Mathew, R., Messner, A.
  2019: e27834

- **Foregone Inclusion: Neonatal CMV Hepatitis and Cholestasis.** *Digestive diseases and sciences*
  Martin, M. n., Holmes, S. n., Sim, J. n., Hassan, M. n., Mathew, R. n., Bensen, R. n., Barakat, M. n.
  2019

- **Complicated pneumonia: current concepts and state of the art.** *Current opinion in pediatrics*
  Tracy, M. C., Mathew, R. n.
  2018

- **Pleural Effusion and Fever in an Immunocompromised Patient.** *Journal of the Pediatric Infectious Diseases Society*
  Kay, A. W., Itoh, M., Valdez, J., Chen, S. F., Mathew, R., Gans, H. A.
  2015; 4 (1): e6-9