

# CURRICULUM VITAE

## Personal Statement

I am a professor with tenure and the Chief of Research for Pediatric Emergency Medicine (PEM). My expertise, given my dual fellowship training in PEM and pediatric infectious diseases, is in clinical research to optimize the care of children with suspected sepsis and rapid viral diagnostics in the ED. In addition, I have worked domestically and internationally to improve the care of children with tuberculosis; I have been working in TB for 20 years and have been the director of the pediatric TB clinic at Texas Children's Hospital since 2012. I have a 15-year, consistent record of commitment to multicenter clinical investigation relevant to Emergency Medical Services for Children including as a principal investigator and site investigator on multicenter studies conducted within the Pediatric Emergency Care Applied Research Network (PECARN) or the Pediatric Emergency Medicine Collaborative Research Committee (PEM-CRC) of the American Academy of Pediatrics. Additionally, I was the head of the Data Center for the PEM-CRC for 10 years and am now the PEM-CRC chair. I am also the co-lead of the Pediatric Emergency Medicine Special Interest Group of the American Pediatrics Association and am an associate editor for *Pediatrics*. I am now in my 13<sup>th</sup> year as PECARN HEDA co-PI or PI and am the current Chair of the PECARN Protocol Review and Development subcommittee. My recent research has focused on evaluation of the young infant with suspected bacterial and viral infections, including herpes simplex virus (HSV). I am the study PI for an ongoing 23-center study evaluating the frequency and risk factors associated with HSV in a cohort of over 26,000 infants. I have provided senior mentorship to 15 trainees and junior faculty members in the last 3 years. This role has ideally positioned me to foster collaborative research projects in both emergency medicine and infectious diseases.

## 1. GENERAL BIOGRAPHICAL INFORMATION

### A. Personal

1. Full Name: Andrea Tania Cruz, MD, MPH  
Citizenship: United States

### B. Education

1. Undergraduate education:
  - a. Harvard University; Cambridge, MA. Bachelor of Arts, Biochemical Sciences, 9/1993-6/1997.
2. Medical education:
  - a. Vanderbilt University School of Medicine; Nashville, TN. Doctor of Medicine, 8/1997-5/2001.
3. Postgraduate training:
  - a. Pediatric Residency: Baylor College of Medicine; Houston, TX. 6/2001-6/2004.
  - b. Pediatric Emergency Medicine Fellowship: Baylor College of Medicine; Houston, TX. 7/2004-6/2009.
  - c. Pediatric Infectious Disease Fellowship: Baylor College of Medicine; Houston, TX. 7/2004-6/2009.
  - d. University of Texas School of Public Health; Houston, TX. Masters in Public Health, Epidemiology concentration, minor in global health. 6/2007-12/2009. Dissertation title: epidemiology of mycobacterial disease in children in Houston (advisors: Lu-Yu Hwang, Jeffrey Starke).

### C. Academic Appointments

1. Current faculty position(s) at BCM:
  - a. Professor (tenured), Sections of Pediatric Emergency Medicine and Pediatric Infectious Diseases, Baylor College of Medicine; Houston, TX. 3/2021-present.

- b. Chief of Research, Section of Pediatric Emergency Medicine, Baylor College of Medicine; Houston, TX. 1/2013-present.
  - c. Director, Children's Tuberculosis Clinic, Texas Children's Hospital. 2012-present.
2. Previous faculty positions at BCM:
- a. Associate Professor (tenured), Sections of Pediatric Emergency Medicine and Pediatric Infectious Diseases, Baylor College of Medicine; Houston, TX. 7/2015-2021.
  - b. Assistant Professor, Sections of Pediatric Emergency Medicine and Pediatric Infectious Diseases, Baylor College of Medicine; Houston, TX. 7/2009-6/2015.
  - c. Associate Director of Research, Pediatric Emergency Medicine Section, Baylor College of Medicine; Houston, TX. 7/2009-2012.
  - d. Clinical Instructor, Baylor College of Medicine; Houston, TX. 7/2004-6/2009

#### **D. Other Advanced Training/Experience**

1. Other specialized training following academic appointment:
- a. Microscopic observation drug susceptibility testing course. Universidad Peruana Cayetano Heredia, Lima, Peru. 1/2012.
  - b. Denver / National Jewish Hospital Tuberculosis Course. 10/2008.
  - c. Infection control & hospital epidemiology. Infectious Diseases Society of America & Society for Hospital Epidemiology of America ([www.iccourse.org](http://www.iccourse.org)). 12/2005.
  - d. Introduction to statistical software and field epidemiology. Centers for Disease Control & Prevention / Emory University; Atlanta, GA. 8/2005.
  - e. Fundamentals of clinical investigation. Baylor College of Medicine; Houston, TX. 7/2004.

#### **E. Other Information**

1. Honors/Awards:
- a. Jennifer Daru Memorial Award – Article of the Year for *Hospital Pediatrics*. Predicting serious bacterial infections among hypothermic infants in the emergency department. 8/2024.
  - b. Most Outstanding Grand Rounds Presentation. Department of Pediatrics, Baylor College of Medicine. 12/2020.
  - c. American Pediatric Society. 1/2020.
  - d. Norton, Rose, Fulbright Faculty Excellence Award (Enduring Educational Materials), Baylor College of Medicine. 5/2019.
  - e. Norton, Rose, Fulbright Faculty Excellence Award (Educational Research), Baylor College of Medicine. 11/2018.
  - f. Research Mentor Award. Department of Pediatrics, Baylor College of Medicine. 7/2018.
  - g. Faculty Teaching and Mentoring Award (awarded to attending by pediatric emergency medicine fellows). 6/2018.
  - h. Outstanding Hospitalist Medicine Fellowship Mentorship Award. Section of Pediatric Hospitalist Medicine, Department of Pediatrics, Baylor College of Medicine. 6/2017.
  - i. Joan E. Shook, MD, MBA Leadership Award, Section of Emergency Medicine, Department of Pediatrics, Baylor College of Medicine. 6/2016.
  - j. Faculty Teaching and Mentoring Award (awarded to attending by pediatric emergency medicine fellows). 6/2016.
  - k. Milton Nirken Teaching Award, Pediatric Emergency Medicine, Baylor College of Medicine. 6/2013.
  - l. Fulbright and Jaworski Teaching Award (Teaching and Evaluation), Baylor College of Medicine. 11/2012.

- m. Fulbright and Jaworski Teaching Award (Enduring Educational Materials), Baylor College of Medicine. 11/2012.
  - n. Faculty Teaching and Mentoring Award (awarded to attending by pediatric emergency medicine fellows). 6/2010.
  - o. Pediatric Infectious Disease Society Travel Grant. 5/2009.
  - p. Minority Travel Award, American Thoracic Society. 5/2008.
  - q. Resident Teaching Award (awarded to postdoctoral fellow by pediatric housestaff), Baylor College of Medicine; Houston, TX. 6/2007.
  - r. Resident Teaching Award (awarded to postdoctoral fellow by pediatric housestaff), Baylor College of Medicine; Houston, TX. 6/2006.
  - s. Canby Robinson Award (voted person that classmates would most like to have as their physician), Vanderbilt University School of Medicine; Nashville, TN. 5/2001.
  - t. Amos Christie Award (pediatrics award), Department of Pediatrics, Vanderbilt University School of Medicine; Nashville, TN. 5/2001.
  - u. Merck Award for Excellence in Infectious Disease, Vanderbilt University School of Medicine; Nashville, TN. 5/2001.
  - v. Herschbach Award, Currier House, Harvard University; Cambridge, MA. 5/1997.
  - w. Harvard College Scholarship; Cambridge, MA. 1994-1997.
  - x. Elizabeth Cary Agassiz Award, Harvard-Radcliffe Colleges; Cambridge, MA. 1993-1997.
2. Board Eligibility/Certification:
    - a. American Board of Pediatrics. 10/2004; recertification 8/2014.
    - b. Pediatric Infectious Diseases. 11/2009.
    - c. Pediatric Emergency Medicine. 3/2011.
  3. Other non-academic positions:
    - a. Pediatric Emergency Care Applied Research Network (PECARN) liaison to the Pediatric Pandemic Network Infectious Disease Advisory Committee. 2023-present.
    - b. American Pediatrics Association, co-chair of the Emergency Medicine Special Interest Group, 2019-2023
    - c. Associate editor, *Pediatrics*, 2019-2022
    - d. Editorial board, *Pediatrics*, 2018-2019
    - e. Research Director, Emergency Medical Services for Children Innovation and Improvement Center. 2016-2020.

## II. RESEARCH INFORMATION

### A. Research Support:

#### ACTIVE RESEARCH SUPPORT

1. Development and validation of a clinical tool to predict mental health sequelae after mild traumatic brain injury in adolescent patients (PI: Nishijima, Slomine)  
Centers for Disease Control and Prevention U01 RFA-CE-23-008  
Role: Site PI  
Funding period: 9/30/2023-8/31/2028  
Annual direct cost and direct cost for entire funding period: \$550,000
2. PEDSnet Scholars: a national pediatric learning health system embedded scientist training and research program (PI: Forrest)  
Agency for Healthcare Research and Quality 1P30HS029755-01  
Role: Consultant

Funding period: 9/1/2023-8/31/2028  
Total award amount: \$4,997,381

3. Epidemiology, biomarkers, and risk stratification of young infants presenting to the emergency department with hypothermia (PI: Ramgopal)  
Gerber Foundation  
Role: Co-investigator  
Funding period: 11/1/2022-10/31/2025  
Total award amount: \$75,000
4. Headache Assessment of Children for Emergency Intracranial Abnormalities (PI: Tsze)  
National Institute of Neurological Disorders and Stroke (NINDS) R01 NS110826  
Role: Site PI for multicenter Pediatric Emergency Care Applied Research Network (PECARN) study  
Funding period: 7/1/2020-6/30/2025  
Annual direct cost and direct cost for entire funding period: \$380,795
5. Emergency Medical Services for Children Network Development Demonstration Project (PI: Dayan)  
Health Resources and Services Administration, Maternal & Child Health (U05-MC00007-22-00)  
Role: Co-investigator  
Funding period: 9/1/2023-8/31/2027  
Annual direct cost and direct cost for entire funding period: \$683,010
6. Determination of the utility of Pfizer's pneumococcal urine antigen test in children 5 years of age or younger with community-acquired pneumonia in the United States (Kaplan)  
Pfizer, Inc  
Role: Co-investigator  
Funding period: 7/1/2022-6/30/25  
Total subaward amount: \$181,275

#### COMPLETED RESEARCH SUPPORT

1. Improving the Detection of STIs in the Pediatric Emergency Department: A Pragmatic Trial (PIs: Reed and Goyal)  
National Institutes of Health (1R01-HD094213-01A1)  
Role: Site PI for multicenter Pediatric Emergency Care Applied Research Network (PECARN) study  
Funding period: 6/1/2018-5/31/2023  
Annual direct cost and direct cost for entire funding period: \$265,935
  2. Novel Diagnostics for Musculoskeletal Infections (PI: Lyons)  
Ken Graff Award (Section of Emergency Medicine, American Academy of Pediatrics)  
Role: Site PI and mentor  
Funding period: 2019-2021  
Annual direct cost and direct cost for entire funding period: \$5,000
- Accuracy of Claims Data of Missed Diagnosis (PI: Michelson)  
Agency for Healthcare Research and Quality 1K08HS026503-01A1  
Role: Site PI and mentor for a K08 award recipient  
Funding period: 9/1/2019-8/31/2024  
Annual direct cost and direct cost for entire funding period: \$4,595

3. RNA Biosignatures: A Paradigm Change for the Management of Young Febrile Infants (PIs: Mahajan, Kuppermann)  
National Institute of Child Health & Human Development (R01HD085233)  
Role: Site PI for multicenter Pediatric Emergency Care Applied Research Network (PECARN) study  
Funding period: 8/2015-4/2020  
Annual direct cost and direct cost for entire funding period: \$214,246
4. Saliva Biomarkers for MTBI Diagnostics in Children (PIs: Chang, Levin, Southern)  
National Institute of Child Health & Human Development (1R43HD097039)  
Role: Co-investigator  
Funding period: 9/15/2018-8/31/2019  
Annual direct cost and direct cost for entire funding period: \$130,916
5. Emergency Medical Services for Children (EMSC) Innovation and Improvement Center (EIIC) (PI: Macias)  
Health Resources and Services Administration (U07MC29829)  
Role: Co-investigator and Research Director  
Funding period: 7/2016-6/2020  
Annual direct cost and direct cost for entire funding period: \$6,000,000
6. Pediatric EMSC Network Development Demonstration Project (PI: Dayan)  
Health Resources and Services Administration, Maternal & Child Health (U03-MC00007-017-00)  
Role: Site PI for multicenter Pediatric Emergency Care Applied Research Network (PECARN) study  
Funding period: 9/2015-8/2019  
Annual direct cost and direct cost for entire funding period: \$524,942
7. Non-operative Management of Pediatric Appendicitis: A Randomized Controlled Study (PI: Chung)  
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (1U34DK112584-01A1)  
Role: Site PI for multicenter Pediatric Emergency Care Applied Research Network (PECARN) study  
Funding period: 9/1/17-8/31/18  
Annual direct cost and direct cost for entire funding period: \$17,742
8. Diagnosis, Treatment, and Management of Pediatric Tuberculosis in Health Emergencies and Disasters (PI: Murray)  
Partnerships for Enhanced Engagement in Research (PEER) Health Program, National Academy of Sciences and the U.S. Agency for International Development  
Role: Co-investigator  
Funding period: 2/2015-4/2019  
Annual direct cost and direct cost for entire funding period: \$544,000
9. Development of an Educational Module to Teach Pediatric Emergency Medicine Physicians about Tropical Medicine  
Texas Children's Hospital Department of Pediatrics Educational Award  
Role: PI  
Funding period: 7/1/15-6/30/16  
Annual direct cost and direct cost for entire funding period: \$22,427
10. Implementation of Microscopic Observation Drug Susceptibility Testing for Rapid Detection of Tuberculosis in Resource-Poor Settings.

Thrasher Pediatric Foundation Grant  
Role: PI  
Funding period: 7/2011-6/2013  
Annual direct cost and direct cost for entire funding period: \$25,000

11. Expanding tuberculosis diagnostics for children with HIV/AIDS in Botswana  
Baylor College of Medicine / Texas Children's Hospital Pediatric Pilot Grant  
Role: PI  
Funding period: 9/1/11-12/31/12  
Annual direct cost and direct cost for entire funding period: \$25,000
12. RNA Biosignatures in the Emergency Department Evaluation of Febrile Infants  
National Institutes of Health (1 R01 HD062477) (PIs: Mahajan, Kuppermann)  
Role: Site PI for multicenter PECARN study  
Funding period: 1/2011-12/2013  
Annual direct cost and direct cost for entire funding period: \$128,527
13. PECARN Core Data Project: Characterizing Patient Populations in the Pediatric  
Emergency Care Applied Research Network (PI: Alpern)  
Emergency Medical Services for Children Program, Maternal and Child Health  
Bureau, Health Resources and Services Administration (U03-MC00003, U03-  
MC22684, U03-MC00007, U03-MC00001, U03-MC22685, U03-MC00006)  
Role: Site PI for multicenter PECARN study  
Funding period: 3/2010-2/2014

## **B. National Scientific Participation:**

1. Editorial contributions
  - a. Journal editorial boards:
    - i. *Pediatrics*. 2018-
    - ii. *BMC Infectious Diseases*. 2014-2016
  - b. Editor roles:
    - i. *Pediatrics*. Associate editor, supervising Diagnostic Dilemmas and Clinical Reasoning section. 2019-2022.
  - c. Ad hoc reviewer:
    - i. *BMJ Open*. 2019-present
    - ii. *Lancet*. 2018-present
    - iii. *American Society of Microbiology*. 2018-present
    - iv. *American Journal of Epidemiology*. 2017-present
    - v. *JAMA*. 2017-present
    - vi. *JAMA Pediatrics*. 2016-present
    - vii. *Journal of Pediatric Neurology*. 2016-present
    - viii. *PLOS One*. 2016-present
    - ix. *Clinical Infectious Diseases*. 2015-present
    - x. *BMC Infectious Diseases*. 2014-present
    - xi. *American Journal of Tropical Medicine and Hygiene*. 2013-present
    - xii. *Annals of Emergency Medicine*. 2013-present
    - xiii. *International Union Against Tuberculosis and Lung Disease*. 2013-present
    - xiv. *Journal of Critical Care*. 2013-present
    - xv. *Journal of Infectious Diseases*. 2013-present
    - xvi. *Clinical Pediatrics*. 2013-present
    - xvii. *American Journal of Emergency Medicine*. 2013-present
    - xviii. *New England Journal of Medicine*. 2012-present
    - xix. *Journal of the Pediatric Infectious Diseases Society*. 2012-present

- xx. *Clinical Practice*. 2012-present
- xxi. *Pathogens and Global Health*. 2012-present
- xxii. *American Journal of Infection Control*. 2012-present
- xxiii. *British Journal of Medicine and Medical Research*. 2012-present
- xxiv. *Pediatrics International*. 2011-present
- xxv. *Pediatric Pulmonology*. 2011-present
- xxvi. *Pediatric Allergy, Immunology, and Pulmonology*. 2011-present
- xxvii. *Journal of Pediatrics*. 2011-present
- xxviii. *Tuberculosis*. 2011-present
- xxix. *Tuberculosis Research and Treatment*. 2010-present
- xxx. *Journal of Global Infectious Diseases*. 2010-present
- xxxi. *Pediatric Infectious Disease Journal*. 2009-present
- xxxii. *Critical Care Medicine*. 2008-present
- xxxiii. *European Journal of Pediatrics*. 2007-present
- xxxiv. *Pediatrics*. 2006-present
- xxxv. *Pediatric Emergency Care*. 2006-present

2. Professional societies:

- a. American Pediatric Society. 2020-present
- b. American Pediatric Association. 2019-present
- c. International Union against Tuberculosis and Lung Disease. 2007-present
- d. American College of Emergency Physicians. 2006-present
- e. Texas College of Emergency Physicians. 2006-present
- f. American Academy of Pediatrics. 2001-present
- g. Tennessee Medical Association. 1997-2001

3. Elected positions:

- a. Pediatric Emergency Medicine Collaborative Research Committee, chair. 2021-2024.
- b. Pediatric Emergency Care Applied Research Network (PECARN), Chair, Publications Subcommittee. 2020-present.
- c. American Pediatric Association, Pediatric Emergency Medicine Special Interest Group co-chair. 2019-2023.
- d. *Pediatrics*, Associate Editor. 2019-present.
- e. Pediatric Emergency Medicine Collaborative Research Committee, vice chair. 2018-2021.
- f. Centers for Disease Control and Prevention committee on the use of isoniazid and rifapentine for the treatment of latent tuberculosis infection. 2017-present.
- g. Heartland National TB Training Center Advisory Committee. 2016-present
- h. Pediatric Emergency Care Applied Research Network (PECARN), Chair, Protocol Review and Development Subcommittee. 2015-2020.
- i. American Academy of Pediatrics and Centers for Disease Control and Prevention Collaborative Disaster Preparedness Team. 2011-2013
- j. National Institutes of Health / Centers for Disease Control and Prevention. Taskforce on Pediatric Tuberculosis Diagnostics. 2011-present
- k. Pediatric Emergency Medicine Collaborative Research Committee, steering committee. 2011-present
- l. Pediatric Emergency Medicine Collaborative Research Committee, head of the Data Center. 2011-2019
- m. Pediatric Emergency Care Applied Research Network (PECARN), Hospital Emergency Department Affiliates (HEDA) PI, Texas Children's Hospital. 2010-present
- n. Heartland National Tuberculosis Center. 2010-present

4. Invited lectures, presentations, research seminars

a. International

1. Tuberculosis elimination in United States: role of the pediatrician. American Academy of Pediatrics Annual Meeting. Orlando, FL. 9/2024.
2. Peer review workshop. Pediatric Academic Societies' Annual Meeting. Toronto, ON. 5/2024.
3. Variation in care of the hypothermic infant. American Pediatric Association Special Interest Group meeting (in collaboration with hospitalist medicine). Pediatric Academic Societies' Annual Meeting. Toronto, ON. 5/2024. Top 10 articles in pediatric emergency medicine. American Academy of Pediatrics NCE. Washington, DC. 10/2023.
4. Diagnosis and treatment of tuberculosis infection. IDWeek. Boston, MA. 10/2023.
5. Evaluation of the febrile infant. Keynote speaker, Toronto's Hospital for Sick Kids' Annual Pediatric Emergency Medicine Conference. Conducted virtually. 11/2020.
6. Emerging infections. American Academy of Pediatrics Annual Meeting. Conducted virtually. 10/2020.
7. Tuberculosis for the pediatric emergency medicine provider. Point-of-care ultrasounds for global pediatric emergency medicine series. Conducted virtually and broadcast to Baylor International Pediatric AIDS Initiative (BIPAI) sites, within the mainland United states, and Puerto Rico. 9/2020.
8. Antimicrobial selection in pediatric sepsis. (cancelled due to COVID-19) World Conference on Critical Care Medicine. Mexico City, Mexico. 6/2020.
9. Importance of recognition and treatment of tuberculosis infection. Salvadorean Ministry of Health and Prison Bureau. San Salvador, El Salvador. 11/2019.
10. Regimens for the treatment of tuberculosis infection. Salvadorean Ministry of Health and Prison Bureau. San Salvador, El Salvador. 11/2019.
11. Challenging TB cases. North American Region of the International Union Against Tuberculosis and Lung Disease annual meeting. Vancouver, British Columbia. 2/2019.
12. Tuberculosis infection treatment regimens. International Union Against Tuberculosis and Lung Disease annual meeting. Guadalajara, Mexico. 10/2017.
6. Eliminating tuberculosis in children and adolescents in Latin America. International Union Against Tuberculosis and Lung Disease annual meeting. Guadalajara, Mexico. 10/2017.
7. Latent tuberculosis infection: diagnosis and treatment. Ministry of Health, Colombia and Organización Internacional para las Migraciones. International training on childhood tuberculosis. Bogotá, Colombia. 2/2017.
8. Tuberculosis in children and adolescents. Ministry of Health, Colombia and Organización Internacional para las Migraciones. International training on childhood tuberculosis. Bogotá, Colombia. 2/2017.
9. Childhood tuberculosis: diagnostic imaging findings. Ministry of Health, Colombia and Organización Internacional para las Migraciones. Bogotá, Colombia. 2/2017.
10. International training on childhood tuberculosis. Bogotá, Colombia. 2/2017.
11. Nosocomial transmission of tuberculosis and infection control considerations for children with pulmonary tuberculosis. Ministry of Health, Colombia and Organización Internacional para las Migraciones. International training on childhood tuberculosis. Bogotá, Colombia. 2/2017.
12. Social considerations in the care of the adolescent with tuberculosis. 47<sup>th</sup> Union World Conference on Lung Health. Liverpool, UK. 10/2016.



13. Cross-border approaches to isoniazid preventive therapy: treating immigrant children from high-prevalence settings in the U.S. 46<sup>th</sup> Union World Conference on Lung Health. Cape Town, South Africa. 12/2015.
  14. Management of children with drug-resistant tuberculosis. Sentinel Group (Harvard Medical School) webinar series. 10/2014.
  15. Clinical manifestations of childhood tuberculosis. International Pediatric Symposium, Cartagena, Colombia. 5/2014.
  16. Infectious disease emergencies. International Pediatric Symposium, Cartagena, Colombia. 5/2014.
  17. The difficult-to-treat tuberculosis patient. Expert panel. North American Region Meeting of the International Union against Tuberculosis and Lung Disease. Boston, MA. 2/2014.
  18. Tuberculosis exposure, infection, and disease among children with medical comorbidities. North American Region Meeting of the International Union against Tuberculosis and Lung Disease. Boston, MA. 2/2014.
  19. MDR-TB latent tuberculosis infection treatment. National Tuberculosis Program and the Bangladeshi Ministry of Health. Dhaka, Bangladesh. 7/2013.
  20. Tuberculosis lymphadenitis. National Tuberculosis Program and the Bangladeshi Ministry of Health. Dhaka, Bangladesh. 7/2013.
  21. Adverse events and monitoring during MDR-TB therapy. National Tuberculosis Program and the Bangladeshi Ministry of Health. Dhaka, Bangladesh. 7/2013.
  22. BCG vaccination for prevention of tuberculosis disease. National Pediatric Conference. Monterrey, Mexico. 4/2013.
  23. Adolescent tuberculosis. North American Region, International Union against Tuberculosis and Lung Disease. Vancouver, BC. 3/2013.
  24. Diagnostic tools for childhood tuberculosis. Curso Internacional de Pediatria. Puebla, Mexico. 2/2013.
  25. Evaluation of septic shock. Curso Internacional de Pediatria. Puebla, Mexico. 2/2013.
  26. Pediatric tuberculosis. Centers for Disease Control and Prevention, Division of Global Migration and Quarantine. 2012 Panel Physician Training Summit. Istanbul, Turkey. 3/2012.
  27. Pediatric considerations in immigrants. Centers for Disease Control and Prevention, Division of Global Migration and Quarantine. 2012 Panel Physician Training Summit. Istanbul, Turkey. 3/2012.
  28. Management of drug-resistant tuberculosis. Centers for Disease Control and Prevention, Division of Global Migration and Quarantine. 2012 Panel Physician Training Summit. Istanbul, Turkey. 3/2012.
- b. National
1. Skin and soft tissue infections. Practical Pediatrics. Tucson, AZ. 11/2024.
  2. Travel-associated infections. Practical Pediatrics, Tucson, AZ. 11/2024.
  3. Evaluation of the febrile infant. Practical Pediatrics. Tucson, AZ. 11/2024
  4. Hot topics in infectious diseases. Practical Pediatrics. Tucson, AZ. 11/2024.
  5. The role of the pediatrician in U.S. tuberculosis elimination. American Academy of Pediatrics Annual Meeting. Orlando, FL. 9/2024.
  6. Psychological impact of tuberculosis in adolescents. Heartland National TB Center. San Antonio, Texas. 3/2024.
  7. Childhood tuberculosis. American Academy of Pediatrics Infectious Diseases Virtual Course. Conducted virtually. 8/2023.
  8. Evaluation of the febrile infant. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.
  9. Infectious diseases in athletes. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.

10. A hiking we will go: infectious after domestic travel. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.
11. Infections in the returned international traveler. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.
12. (Re)Emerging infections. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.
13. Infectious disease cases. Pediatrics in the Islands Course. Maui, Hawaii. 6/2023.
14. Tick-borne diseases. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 3/2023.
15. Infectious disease cases. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 3/2023.
16. Travel-associated infections. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 3/2023.
17. Arboviral infections. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 3/2023.
18. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 3/2023.
19. Infections in the returned traveler. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 12/2022.
20. Evaluation of the febrile infant. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 12/2022.
21. Vector-borne diseases. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 12/2022.
22. Vaccine-preventable illnesses. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 12/2022.
23. Infectious disease emergencies. American Academy of Pediatrics' Practical Pediatrics Conference. Orlando, FL. 12/2022.
24. Mentorship. Fem in PEM (Pediatric Emergency Medicine) Conference. Cincinnati, OH. 11/2022.
25. Pediatric TB infection. Heartland National TB Center of Excellence. Conducted virtually, 9/1/2022.
26. Disparities in COVID-19 and MIS-C. Pediatric Academic Societies' annual meeting. Conducted virtually, 4/2021.
27. Urinary tract infections. Practical Pediatrics, American Academy of Pediatrics. Conducted virtually, 3/2021.
28. Head injury. Practical Pediatrics, American Academy of Pediatrics. Conducted virtually, 3/2021.
29. Evaluation of fever in the older child. Practical Pediatrics, American Academy of Pediatrics. Conducted virtually, 3/2021.
30. Exposures to infectious diseases. Practical Pediatrics, American Academy of Pediatrics. Conducted virtually, 3/2021.
31. Updates in pediatric TB. Rutgers Global Health Institute. Conducted virtually, 10/2020.
32. Skin and soft tissue infections. Pediatric Emergency Medicine (PEM) Trends board review course. Conducted virtually, 8/2020.
33. Tick-borne disease. Pediatric Emergency Medicine (PEM) Trends board review course. Conducted virtually, 8/2020.
34. Sepsis management. Pediatric Emergency Medicine (PEM) Trends board review course. Conducted virtually, 8/2020.
35. Urinary tract infections. American Academy of Pediatrics' Practical Pediatrics Course. Orlando, FL. 3/2020.
36. Head trauma. American Academy of Pediatrics' Practical Pediatrics Course. Orlando, FL. 3/2020.
37. Infectious disease exposures. American Academy of Pediatrics' Practical Pediatrics Course. Orlando, FL. 3/2020.

38. Evaluation of the older febrile infant. American Academy of Pediatrics' Practical Pediatrics Course. Orlando, FL. 3/2020.
39. Interferon gamma release assays: meet the professor session. Infectious Diseases Week. Washington, DC. 10/2019.
40. Childhood tuberculosis. Heartland Tuberculosis Intensive Course. Houston, TX. 7/2019.
41. Adolescent tuberculosis. Heartland Tuberculosis Intensive Course. Houston, TX. 7/2019.
42. Diagnosis and management of children with tuberculosis infection. Heartland Tuberculosis Intensive Course. Houston, TX. 7/2019.
43. Clinical considerations in tuberculous meningitis. Online nurse case management series. National Tuberculosis Nurse Coalition. 5/2019.
44. Tuberculosis meningitis in infants. National Tuberculosis Nurse Coalition. Teleconference hosted by Curry TB Center. 1/2019.
45. Updates on the diagnosis and treatment of pediatric tuberculosis infection. Tuberculosis case management for nurses. Teleconference hosted by the Rutgers Global TB Institute. 11/2018.
46. Updates on pediatric tuberculosis. Four Corners Annual Refugee Conference. Santa Fe, NM. 11/2018.
47. Ethics of use of injectable-free treatment regimens for patients with multidrug-resistant tuberculosis. Heartland Tuberculosis Center of Excellence. San Antonio, TX. 11/2018.
48. Childhood tuberculosis. Heartland National Tuberculosis Center. TB intensive course. San Antonio, TX. 6/2018.
49. Comparison of tuberculin skin tests and interferon gamma release assays. ID Week. San Francisco, CA. 10/2018.
50. Evaluation of fever. American Academy of Pediatrics-sponsored PREP-EM board review course. Philadelphia, PA. 7/2018.
51. Emerging infectious diseases. American Academy of Pediatrics-sponsored PREP-EM board review course. Philadelphia, PA. 7/2018.
52. Non-traumatic orthopedic emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Philadelphia, PA. 7/2018.
53. Updates on the diagnosis and treatment of pediatric latent tuberculosis infection. American Society for Microbiology Annual Meeting. Atlanta, GA. 6/2018.
54. Pediatric Tuberculosis, 2018: updates, tools, and adorable faces. National Society for TB Controllers' Annual Meeting. Palm Springs, CA. 5/2018.
55. New recommendations in pediatric TB. Executive committee, National Society for TB Controllers' Annual Meeting. Palm Springs, CA. 5/2018.
56. Clinical conundrums in pediatric tuberculosis. National Society for TB Controllers' Annual Meeting. Palm Springs, CA. 5/2018.
57. Enhanced completion and safety for treating pediatric tuberculosis infection using shorter regimens. North American Region Meeting of the International Union Against Tuberculosis and Lung Disease Annual Meeting. Chicago, IL. 2/2018.
58. To tap or not to tap – management of miliary tuberculosis in infants. North American Region Meeting of the International Union Against Tuberculosis and Lung Disease Annual Meeting. Chicago, IL. 2/2018.
59. Top 10 articles in pediatric emergency medicine. American Academy of Pediatrics National Meeting. San Francisco, CA. 10/2016.
60. Neurological emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Chicago, IL. 8/2016.
61. Non-traumatic orthopedic emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Chicago, IL. 8/2016.

62. Cardiac emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Chicago, IL. 8/2016.
63. Environmental emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Chicago, IL. 8/2016.
64. Updates in latent tuberculosis treatment, Expert Consultation Meeting. Heartland TB Center. San Antonio, TX. 11/2015.
65. An introduction to childhood TB. Heartland National Tuberculosis Center. TB intensive course. San Antonio, TX. 11/2015.
66. Latent tuberculosis infection treatment in children and adolescents. Rutgers University Global Tuberculosis Institute. Newark, NJ. 10/2015.
67. Management of tuberculosis adenitis. Heartland National Tuberculosis Center Expert Consultation Meeting. San Antonio, TX. 10/2014.
68. Utilization of interferon gamma release assays in children. Heartland National Tuberculosis Center Expert Consultation Meeting. San Antonio, TX. 10/2014.
69. Utilization of interferon gamma release assays in children. American Academy of Pediatrics National Conference & Exhibition. San Diego, CA. 10/2014.
70. Infectious disease emergencies. American Academy of Pediatrics-sponsored PREP-EM board review course. Washington, DC. 8/2014.
71. Altered mental status. American Academy of Pediatrics-sponsored PREP-EM board review course. Washington, DC. 8/2014.
72. Thoracic trauma. American Academy of Pediatrics-sponsored PREP-EM board review course. Washington, DC. 8/2014. Kawasaki disease. American Academy of Pediatrics-sponsored PREP-EM board review course. Washington, DC. 8/2014.
73. Relationship between tuberculin skin test (TST) size and interferon gamma release assay (IGRA) result: when should clinicians obtain IGRAs in children with positive TSTs? American Academy of Pediatrics Annual Meeting. Orlando, FL. 10/2013.
74. Controversies in the management of pediatric tuberculosis. Centers for Disease Control and Prevention, National Society of Tuberculosis Controllers. Atlanta, GA. 6/2013.
75. Increasing the quality of care in the management of septic shock through the use of evidence-based medicine. Advanced Academy of Pediatrics, American College of Emergency Medicine. Orlando, FL. 3/2013.
76. Atypical Kawasaki disease. Advanced Academy of Pediatrics, American College of Emergency Medicine. Orlando, FL. 3/2013.
77. Pediatric considerations in tuberculosis contact investigations. National Tuberculosis Controller's Meeting. Centers for Disease Control and Prevention. Atlanta, GA. 6/2012.
78. Use of interferon gamma release assays in children. Heartland Tuberculosis Center Webinar. 5/2012.
79. Multidrug resistant tuberculosis meningitis. Centers for Disease Control and Prevention Webinar. 12/2011.
80. An introduction to childhood tuberculosis. Heartland National TB Center Meeting. San Antonio, TX. 12/2011.
81. Pediatric latent tuberculosis infection therapy. Southeastern National TB Center Controller's Meeting. Charlottesville, VA. 10/2011.
82. Updates on interferon gamma release assays for children. Heartland National Tuberculosis Center medical consultant group meeting. San Antonio, TX. 9/2011.
83. Pediatric tuberculosis: a primer for public health nurses. Heartland National TB Center Training Course. San Antonio, TX. 3/2011.

84. Rapid diagnosis of viral infections in the emergency department. Pediatric Emergency Medicine Fellows' Conference; Washington, DC. 3/2006.

c. Regional

1. Infections in the returned domestic traveler. Grand Rounds, Nationwide Children's Hospital. Columbus, OH. 5/2024.
2. Contact tracing and childhood tuberculosis. Harris County Health Department World TB Day. 3/2024.
3. Pediatric emergency medicine research networks. Department of Emergency Medicine, Brown University. Providence, RI. 9/2023.
4. Increasing academic productivity. Department of Emergency Medicine, Brown University. Providence, RI. 9/2023.
5. Writing case reports. Department of Pediatrics, Brown University. Providence, RI. 9/2023.
6. The febrile infant. Department of Pediatrics, Brown University. Providence, RI. 9/2023.
7. Significance of tuberculosis infection. Texas Pediatric Society. Galveston, TX. 9/2022.
8. Evaluation of the febrile infant. All-Texas Pediatric Emergency Medicine Conference. 8/2022.
9. Tick-borne infections. Johns Hopkins Pediatric Emergency Medicine Grand Rounds. Conducted virtually. 9/2021.
10. Adolescent tuberculosis. Heartland National TB Center of Excellence. Conducted virtually. 6/2021.
11. Diagnosis and treatment of tuberculosis infection. Heartland National TB Center of Excellence. Conducted virtually. 6/2021.
12. Updates on COVID-19 in children. Pediatric grand rounds, University of Chicago. Conducted virtually. 4/2021.
13. Evaluation of HSV in the febrile neonate. Pediatric Infectious Diseases Updates. University of Arkansas. Conducted virtually. 4/2021.
14. Evaluation of the febrile infant. Pediatric Emergency Medicine, Johns Hopkins University Department of Pediatrics. Baltimore, MD (conducted remotely). 2/2021.
15. Pediatric Surviving Sepsis Campaign. 4<sup>th</sup> Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference. Houston, TX (conducted remotely). 1/2021.
16. Emerging infections. Johns Hopkins University emergency medicine grand rounds. Baltimore, MD (conducted remotely). 4/2020.
17. Infections in the returned traveler. University of Washington, Seattle Children's Hospital grand rounds. 3/2020.
18. Presentations of vaccine-preventable diseases. University of Washington, Seattle Children's Hospital annual primary care conference. 3/2020.
19. Evaluation of the febrile child. Ochsner Hospital pediatric grand rounds. New Orleans, LA. 10/2019.
20. An introduction to childhood tuberculosis. Grand rounds. Texas Tech University School of Medicine. El Paso, TX. 4/2019.
21. Updates in pediatric tuberculosis. New York City Department of Health World Tuberculosis Day. New York City, NY. 3/2019.
22. Lessons learned about pediatric tuberculosis in low-incidence settings. University of Texas Health Center, Tyler. Tyler, TX. 3/2019.
23. Tuberculosis meningitis. Navajo Nation TB ECHO Clinic. 2/2019.
24. Emerging tick-borne diseases. University of California-Davis grand rounds. Sacramento, CA. 10/2018.
25. Updates on pediatric tuberculosis. 13<sup>th</sup> Annual New England Tuberculosis Conference. Hartford, CT. 5/2018.

26. Management of challenging pediatric tuberculosis cases. 13<sup>th</sup> Annual New England Tuberculosis Conference. Hartford, CT. 5/2018.
27. Childhood tuberculosis. University of Iowa Pediatric Grand Rounds. Iowa City, IO. 1/2018.
28. Short(er) course regimens for the treatment of tuberculosis infection in children. Harvard Medical School, Department of Global Health and Social Medicine. Boston, MA. 5/2017.
29. Treatment of tuberculosis. University of South Carolina Updates on Pediatric Infectious Diseases. Hilton Head, SC. 6/2016.
30. Clinical manifestations of childhood tuberculosis. University of South Carolina Updates on Pediatric Infectious Diseases. Hilton Head, SC. 6/2016.
31. Diagnosis of latent tuberculosis infection. University of South Carolina Updates on Pediatric Infectious Diseases. Hilton Head, SC. 6/2016.
32. Evaluation of lymphadenitis and lymphadenopathy in children. University of South Carolina Updates on Pediatric Infectious Diseases. Hilton Head, SC. 6/2016.
33. Updates on Zika and tuberculosis during pregnancy and the neonatal period. Philadelphia Society of Obstetrics and Gynecology. Philadelphia, PA. 4/2016.
34. Updates on childhood tuberculosis. Grand Rounds, Department of Pediatrics, University of Virginia. Charlottesville, VA. 4/2016.
35. Short-course regimens for the treatment of latent tuberculosis infection in children. Southeast Texas World TB Day Celebration. 3/2016.
36. Hot topics in global emergency medicine. Global Emergency Medicine Fellows' Conference. Houston, TX. 2/2016.
37. Pediatric tuberculosis: closing gaps in diagnosis, prevention, and treatment. Vanderbilt University. Nashville, TN. 10/2015.
38. Pediatric tuberculosis. Advanced management of patients with tuberculosis. Arkansas Department of Health / Heartland National TB Center. Little Rock, AR. 8/2014.
39. Case studies in pediatric tuberculosis: tuberculosis adenitis. Advanced management of patients with tuberculosis. Arkansas Department of Health & the Heartland National TB Center. Little Rock, AR. 8/2014.
40. Use of interferon gamma release assays for the diagnosis of tuberculosis in children. Heartland National TB Center Regional Mini-Symposium. 12/2012.
41. Performance of interferon gamma release assays for diagnosis of tuberculosis in children. Texas Tuberculosis Research Symposium. Galveston, TX. 4/2011.
42. Tuberculosis and infection control at children's hospitals. Texas Tuberculosis Research Symposium. Galveston, TX. 4/2011.
43. Empiric antibiotic selection. North Carolina College of Emergency Physicians Annual Meeting. Asheville, North Carolina. 11/2010.
44. Pediatric literature review. North Carolina College of Emergency Physicians Annual Meeting. Asheville, North Carolina. 11/2010.
45. CT scanning in children: why or why not. North Carolina College of Emergency Physicians Annual Meeting. Asheville, North Carolina. 11/2010.
46. Antibiotic resistance in 2010: what to use and why. Keynote speaker, opening plenary. Wake Forest Pediatric Emergency Medicine Conference. 3/2010.
47. Interesting pediatric emergency medicine cases. Wake Forest Pediatric Emergency Medicine Conference. 3/2010.
48. Tick-borne disease: is it as common as we think? Wake Forest Pediatric Emergency Medicine Conference. 3/2010.

49. Pediatric dehydration. Grand Rounds, Children's Hospital and Clinics, St. Paul, MN. 8/2009.

### C. Publications:

#### 1. Full papers in peer review journals

##### 1. Published:

1. Canter H, Reed J, Palmer C, Casper TC, Stukus K, Schmidt S, Pickett M, Mollen C, Elsholz C, **Cruz AT**, Augustine E, Goyal MK. Contraception use and pregnancy risk among adolescents in pediatric emergency medicine departments. *JAMA Netw Open*. 2024;7(6):e2418213. PMID 38941097.
2. Bachur RG, Kaplan SL, Arias CA, Ballard N, Carroll KC, **Cruz AT**, Gordon R Jr, Halabi S, Harris JD, Hulten KG, Jacob T, Kellogg MD, Klein A, Mishan PS, Motov SM, Peck-Palmer OM, Ryan LM, Shapira M, Suits GS, Wang HE, Weissman A, Rothman RE. A rapid host-protein test for differentiating bacterial from viral infection: Apollo diagnostic accuracy study. *J Am Coll Emerg Physicians Open*. 2024;5(3):e13167. PMID 38721037.
3. Foughty ZC, Niles DT, **Cruz AT**. Enteric fever in children: an epidemiological and clinical review of cases in southeast Texas. *J Pediatr Infect Dis Soc*. 2024; e-published ahead of print 5/8/2024. PMID 38717105.
4. Schultz RJ, Amaral JZ, Bridges CS, Allen JY, Bih ES, **Cruz AT**, Gladstein AZ, Henkel EB, Kraus SJ, Smith BG, Wall JC Jr, Kan JH. Gartland classification concordance of supracondylar fractures among pediatric emergency medicine physicians, radiologists, and orthopedic surgeons. *Pediatr Radiol*. 2024. E-published ahead of print 5/2/2024. PMID 38693251.
5. Money NM, Lo YHJ, King H, Graves C, Holland JL, Rogers A, Hashikawa AN, **Cruz AT**, Lorenz DJ, Ramgopal S. Predicting serious bacterial infections among hypothermic infants in the emergency department. *Hosp Pediatr*. 2024;14(3):153-162. PMID 38312010.
6. Stephens AM, Platt S, Levine DA, Qiu Y, Buchhalter L, Lyons TW, Gaines N, **Cruz AT**, Sudanagunta S, Hardee IJ, Eisenberg JR, Tamas V, McAneney C, Chinta SS, Yeung C, Root JM, Fant C, Dunnick J, Pifko E, Campbell C, Bruce M, Srivastava G, Pruitt CM, Hueschen LA, Ugalde IT, Becker C, Granda E, Klein EJ, Kaplan RL. A novel risk score to guide the evaluation of acute hematogenous osteomyelitis in children. *Pediatrics*. 2024;153(2):e2023063153. PMID 38239108.
7. **Cruz AT**, Palmer CA, Augustine EM, Casper TC, Dowshen N, Elsholz CL, Mollen CJ, Pickett ML, Schmidt SK, Stukus KS, Goyal MK, Reed JL. Concordance of adolescent gender, race, and ethnicity: self-report versus medical record data. *Pediatrics*. 2024;153(2):e2023063161.
8. Ramgopal S, Graves C, Aronson PL, **Cruz AT**, Rogers A; Risk Stratification for Hypothermic Infants (RISHI) Study Group. Clinician management practices for infant with hypothermia in the emergency department. *Pediatrics*. 2023;152(6):e2023063000. PMID 38009075.
9. Tsz DS, Kuppermann N, Casper TC, Barney BJ, Richer LP, Liberman DB, Okada PJ, Morris CR, Myers SR, Soung JK, Mistry RD, Babcock L, Spencer SP, Johnson MD, Klein EJ, Quayle KS, Steele DW, **Cruz AT**, Rogers AJ, Thomas DG, Grupp-Phelan JM, Johnson TJ, Dayan PS: Pediatric Emergency Care Applied Research Network. Stratification of risk for emergent intracranial abnormalities in children with headaches: a Pediatric Emergency Care Applied Research Network (PECARN) study protocol. *BMJ Open*. 2023;13(11):e079040. PMID 37993148.
10. Florin TA, Ramilo O, Banks R, Schnadower D, Quayle KS, Powell EC, Pickett M, Nigrovic LE, Mistry RD, Leetch A, Hickey RW, Glissmeyer EW, Dayan PS, **Cruz AT**, Cohen DM, Bogie A, Balamuth F, Atabaki SM, VanBuren JM, Mahajan P, Kuppermann N on behalf of the Febrile Infant Working Group of the Pediatric

- Emergency Care Applied Research Network (PECARN). Radiographic pneumonia in young febrile infants presenting to the emergency department: secondary analysis of a prospective cohort study. *Emerg Med J*. 2023. 41(1):13-19. PMID 37770118.
11. **Cruz AT**, Baker JP. Forgotten *Pediatrics*: 8 disturbing windows on the past. *Pediatrics*. 2023;e2023062806. PMID 37609776.
  12. Chiang SS, Graham SM, Schaaf HS, Marais BJ, Sant'Anna CC, Sharm S, Starke JR, Triasih R, Achar J, Amanullah F, Armitage LY, Aurilio RB, Buck WC, Centis R, Chabala C, **Cruz AT**, et al. Clinical standards for drug-susceptible TB in children and adolescents. *Int J Tuberc Lung Dis*. 2023;27(8):584-598. PMID 37491754.
  13. Iness AN, **Cruz AT**, Dorfman SR, Sampayo EM. A case of community-acquired tuberculosis in an infant presenting with pneumonia refractory to antibiotic therapy. *J Educ Teach Emerg Med*. 2023;8(1):v18-22. PMID 37465039.
  14. Michelson KA, Bachur RG, Grubenhoff JA, **Cruz AT**, Chaudhari PP, Reeves SD, Porter JJ, Monuteaux MC, Dart AH, Finkelstein JA. Outcomes of missed diagnosis of pediatric appendicitis, new-onset diabetic ketoacidosis, and sepsis in five pediatric hospitals. *J Emerg Med*. 2023. Published online 4/18/23. PMID 37355425.
  15. Michelson KA, Bachur RG, **Cruz AT**, Grubenhoff JA, Reeves SD, Chaudhari PP, Monuteaux MC, Dart AH, Finkelstein JA. Multicenter evaluation of a method to identify delayed diagnosis of diabetic ketoacidosis and sepsis in administrative data. *Diagnosis (Berl)*. 2023. E-published 6/22/23. PMID 37340621.
  9. Patankar S, **Cruz AT**, Douglas-Jones B, Garcia-Prats A, Kay A, Reuter A, Schaaf HS, Seddon JA, Sharma S, Starke J, Tommasi M, Triasih R, Furin JJ. Making the case for all-oral, shorter regimens for children with drug-resistant tuberculosis. *Am J Respir Crit Care Med*. 2023; e-published 6/5/23. PMID 37276531.
  10. Chokkalla AK, Tam E, Liang R, **Cruz AT**, Devaraj S. Validation of a multi-analyte immunoassay for distinguishing bacterial vs. viral infections in a pediatric cohort. *Clin Chim Acta*. 2023 May 16:117387. PMID 37201742.
  11. Lubell TR, **Cruz AT**, Tanverdi MS, Ochs JB, Lobritto S, Saini S, Mavrogiorgos E, Dayan PS. Bacteremia in pediatric liver transplant recipients. *Pediatr Infect Dis J*. 2023. E-published ahead of print 4/27/23. PMID 37171971.
  12. **Cruz AT**, Seddon JA. Vulnerable children with presumptive tuberculosis: when will this population be prioritized? *Pediatrics*. 2023;e2022060180. PMID 36950927.
  13. Michelson KA, Bachur RG, Dart AH, Chaudhari PP, **Cruz AT**, Grubenhoff JA, Reeves SD, Monuteaux MC, Finkelstein JA. Identification of delayed diagnosis of paediatric appendicitis in administrative data: a multicentre retrospective validation study. *BMJ Open*. 2023;13(2):e064852. PMID 36854600.
  14. Shihabuddin BS, Fritter J, Ellison AM, **Cruz AT**. Diversity among research coordinators in a pediatric emergency medicine research collaborative network. *J Clin Transl Sci*. 2022;7(1):e46. PMID 36845308.
  15. Chiang SS, Waterous PM, Atieno VF, Bernays S, Bondarenko Y, **Cruz AT**, de Oliveira MCB, Del Castillo Barrientos H, Enimil A, Ferlazzo G, Ferrand RA, Furin J, Hoddinott G, Isaakidis P, Kranzer K, Maleche-Obimbo E, Mansoor H, Marais BJ, Mohr-Holland E, Morales M, Nguyen AP, Oliyo JO, Sant-Anna CC, Sawyer SM, Schaaf HS, Seddon JA, Sharma S, Skrahina A, Starke JR, Triasih R, Tsogt B, Welch H, Enane LA. Caring for adolescents and young adults with tuberculosis or at risk of tuberculosis: consensus statement from an international expert panel. *J Adolesc Health*. 2023;72(3):323-331. PMID 36803849.
  16. McGonagle EA, Karavite DJ, Grundmeier RW, Schmidt SK, May LS, Cohen DM, **Cruz AT**, Tu SP, Bajaj L, Dayan PS, Mistry RD. Evaluation of an antimicrobial stewardship decision support for pediatric infections. *Appl Clin Inform*. 2023;14(1):108-118. PMID 36754066.
  17. Florin TA, Melnikow J, Gosdin M, Ciuffetelli R, Benedetti J, Ballard D, Gausche-Hill M, Kronman MP, Martin LA, Mistry RD, Neuman MI, Palazzi DL, Patel SJ, Self



- WH, Shah SS, Shah SN, Sirota S, **Cruz AT**, Ruddy R, Gerber JS, Kuppermann N. Developing consensus on clinical outcomes for children with mild pneumonia: a Delphi study. *J Pediatr Infect Dis Soc*. E-published ahead of print 1/10/23. PMID 36625856.
18. **Cruz AT**, Starke JR. Clinical worsening in an adolescent with pleural tuberculosis. *J Adolesc Health*. 2022;S105. PMID 36567181.
19. Chernick LS, Bugaighis M, Britton L, **Cruz AT**, Goyal MK, Mistry RD, Reed JL, Bakken S, Santelli JS, Dayan PS. Factors influencing the conduction of confidential conversations with adolescents in the emergency department: a multicenter, qualitative analysis. *Acad Emerg Med*. 2022; e-published ahead of print 12/8/22. PMID 36478023.
20. **Cruz AT**, Tanverdi MS, Swartz SJ, Dayan PS, Combs VA, Lubell TR. Frequency of bacteremia and urinary tract infection in pediatric renal transplant recipients. *Pediatr Infect Dis J*. 2022; e-pub ahead of print 9/8/22. PMID 36102710.
21. Mahajan P, VanBuren JM, Tzimenatos L, **Cruz AT**, Vitale M, Powell EC, Leetch AN, Pickett ML, Brayer A, Nigrovic LE, Dayan PS, Atabaki SM, Ruddy RM, Rogers AJ, Greenberg R, Alpern ER, Tunik MG, Saunders M, Muenzer J, Levine dA, Hoyle JD, Lillis KG, Gattu R, Crain EF, Borgialli D, Bonsu B, Blumberg S, Anders J, Roosevelt G, Browne LR, Cohen DM, Linakis JG, Jaffe DM, Bennett JE, Schnadower D, Park G, Mistry RD, Glissmeyer EW, Cator A, Bogie A, Quayle KS, Ellison A, Balamuth F, Richards R, Ramilo O, Kuppermann N; Pediatric Emergency Care Applied Research Network (PECARN). Serious bacterial infections in young febrile infants with positive urinalysis results. *Pediatrics*. 2022;150(4):e2021055633. PMID 36097858.
22. Cameron LH, **Cruz AT**. Childhood tuberculosis. *Curr Opin Infect Dis*. 2022; e-published ahead of print 8/11/2022. PMID 35947056.
23. Donaruma-Kwoh MM, Weary CE, **Cruz AT**. Polyembolokoilamania in child sexual abuse: physician examination findings after abusive foreign body insertion and literature summary. *Pediatr Emerg Care*. 2022;38(8):386-391. PMID 35904952.
24. Pruitt CM, Nigrovic LE, Freedman SB, Bradin SA, Curtis SJ, Lyons TW, Miller AS, Okada PJ, Schmidt SM, Schnadower D, Thomson JE, **Cruz AT**. Comprehensiveness of testing among herpes simplex virus infected infants: a multicenter cohort study. *Pediatr Infect Dis J*. 2022;41(10):851-853. PMID 35797706.
25. Click ES, Song R, Smith JP, Mchembere W, Fajans M, Hariri P, Okeyo E, McCarthy KD, Gethi D, Odeny L, Musau S, Okuma A, Orwa J, Perez-Velez CM, Wright CA, Andres M, Marais BJ, Schaaf HS, Graham SM, **Cruz AT**, Cain KP. Performance of Xpert MTB/RIF and mycobacterial culture on multiple specimen types for diagnosis of tuberculosis disease in young children and clinical characterization according to standardized research case definition. *Pediatric Infect Dis J*. 2022;41(8):671-677. PMID 35703284.
26. O'Bryant SC, **Cruz AT**, Fielder EK. Post-circumcision hemorrhage from disseminated herpes simplex virus-2. *Clin Pediatr (Phila)*. 2022;61(10):679-683. PMID 35686359.
27. Kaplan RL, **Cruz AT**, Freedman SB, Smith K, Freeman J, Lane RD, Michelson KA, Marble RD, Middelberg LK, Bergmann KR, McAneny C, Noorbakhsh KA, Pruitt C, Shah N, Badaki-Makun O, Schnadower D, Thompson AD, Blackstone MM, Abramo TJ, Srivastava G, Avva U, Samuels-Kalow M, Morientes O, Kannikeswaran N, Chaudhari Pp, Strutt J, Vance C, Haines E, Khanna K, Gerard J, Bajaj L. Omphalitis and concurrent serious bacterial infection. *Pediatrics*. 2022;149(5):e2021054189. PMID 35441224.
28. **Cruz AT**, Denison MR. Integrating SARS-CoV-2 antibody results into pandemic response. *Pediatrics*. 2022;149(6):e2022056288. PMID 35301523.
29. Swamy P, Duran C, Gupta A, Misra S, Fredricks K, **Cruz AT**. Driving to reduce socioeconomic barriers to latent tuberculosis infection care: a mobile pediatric

- treatment program. *J Public Health Manag Pract.* 2022;28(4):e670-675. PMID 35121709.
30. Greenfield BW, Lowery BM, Starke HE, Mayorquin L, Stanford C, Camp EA, **Cruz AT**. Frequency of serious bacterial infections in young infants with and without viral respiratory infections. *Am J Emerg Med.* 2021;50:744-747. PMID 34879497.
31. **Cruz AT**, Nigrovic LE, Xie J, Kulik D, Okada PJ, Fleming AH, Mistry RD, Thomson JE, Schnadower D, Arms JL, Mahajan P, Garro AC, Pruitt CM, Balamuth F, Uspal NG, Aronson PL, Lyons TW, Thompson AD, Curtis SJ, Ishimine PT, Schmidt SM, Bradin SA, Grether-Jones KL, Miller AS, Louie J, Shah SS, Freedman SB. Identification of infants with herpes simplex virus: a case-control study. *Pediatrics.* 2021;148(3):e2021050052. PMID 34446535.
32. Michelson KA, Reeves SD, Grubenhoff JA, **Cruz AT**, Chaudhari PP, Dart AH, Finkelstein JA, Bachur RG. Clinical features and preventability of delayed diagnosis of pediatric appendicitis. *JAMA Netw Open.* 2021;4(8):e2122248. PMID 34463754.
33. **Cruz AT**, Zeichner SL. Duration of effective antibody levels after COVID-19. *Pediatrics.* 2021;148(3):e2021052589. PMID 34158313.
34. Kaplan RL, **Cruz AT**, Michelson KA, McAneney C, Blackstone M, Pruitt C, Shah N, Noorbaksh K, Abramo TJ, Marble RD, Middelberg L, Smith K, Kannikeswaran N, Schnadower D, Srivastava G, Thompson AD, Lane R, Freedman J, Bergmann KR, Morientes O, Gerard J, Badaki-Makun O, Avva U, Chaudhari PP, Freedman SB, Samuels-Kalow M, Haines E, Strutt E, Khanna K, Vance C, Bajaj L. Neonatal mastitis: presentations, outcomes, and concurrent serious bacterial infection. *Pediatrics.* 2021;148(1):e2021051322. PMID 34187909.
35. Ikeda S, **Cruz AT**, Starke JR. Comparing the epidemiology and clinical characteristics of childhood tuberculosis identified through active and passive case finding. *International Journal of Tuberculosis and Lung Disease.* 2021;25(6):475-482. PMID 34049610.
36. DesPain AW, Gutman CK, **Cruz AT**, Aronson PL, Chamberlain JM, Chang TP, Florin TA, Kaplan RL, Nigrovic LE, Pruitt CM, Thompson AD, Gonzalez VM, Mistry RD. Pediatric emergency medicine research environment and resources to support fellow research. *Academic Emergency Medicine Education & Training.* 2021;5(3):e10585. PMID 34124527.
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43. O'Neil ER, Akcan Arikan A, Buffone GJ, Loftis LL, **Cruz AT**, Devaraj S. Passive acute kidney injury alerts: less is not more. *Pediatric Research*. 2021; e-published ahead of print 1/14/2021. PMID 33446923.
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2. Accepted or in press:
207. Ramgopal S, Rogers A, Potisek N, Money N, Halvorson EE, Hsiang J, **Cruz AT**. Current evidence on the care of young infants with hypothermia in the emergency department. Accepted, *Pediatric Emergency Care*.
  208. Dean P, Redding GJ, Neuman M, Hersh A, Arnold S, **Cruz AT**, Oostenbrink R, Hoffman L, Bradley JS, Williams D, Shah SS, Schumacker D, Florin TA. Diagnosis of community-acquired pneumonia in infants: a modified Delphi study. Accepted, *Pediatric Emergency Care*.

209. Stewart RJ, Wortham J, Parvez F, Bamrah Morris S, Kirking HL, Hatzenbuehler Cameron L, **Cruz AT**. Latent tuberculosis infection in children. Accepted, *Journal of Nurse Practitioners*.
210. Won-Kook S, **Cruz AT**. Spontaneous intracranial hemorrhage in severe hemophilia A: a rare cause of seizure in a young child. Accepted, *JETem*.
211. **Cruz AT**. Treatment of tuberculosis infection in children. Accepted, *Journal of the Pediatric Infectious Diseases Society*.
212. **Cruz AT**, Mandalakas AM. New advances in the diagnosis and treatment of pediatric tuberculosis. Accepted, *Clinical Investigation*.
213. Riley AA, Kale AS, Munden M, **Cruz AT**. Immune reconstitution causing hypertension in a child. Accepted, *Journal of Clinical Pediatric Nephrology*.
214. **Cruz AT**. Evaluation of fever in the returned traveler. Accepted, *Clinical Pediatric Emergency Medicine*.
215. **Cruz AT**, Starke JR. The treatment of tuberculosis in children. *Progress in Respiratory Research*.
216. **Cruz AT**. Commentary: congenital tuberculosis. *Pediatric Allergy, Immunology, and Pulmonology*.

2. Full papers without peer review:

1. In preparation:

1. Ramgopal S, Aronson PE, Rogers AJ, Lorenz D, **Cruz AT**. A multicentre case-control study to evaluate risk factors for serious bacterial infections among children with hypothermia. *BMC Pediatrics*.
2. Donaruma-Kwoh MM, Lopez KK, Bachim AN, **Cruz AT**, Greeley CS. Children should be seen AND heard: a qualitative analysis of abuse histories provided by children with anogenital injury consistent with sexual contact. Planned submission, *Journal of Pediatric and Adolescent Gynecology*.
3. McGonagle EA, Karavite DJ, Grundmeier RW, Schmidt SK, May LS, Cohen DM, **Cruz AT**, Tu S-P, Bajaj L, Dayan PS, Mistry RD. User testing of an enhanced EHR-based antimicrobial stewardship clinical decision support system for treatment of community-acquired pneumonia and urinary tract infection.
4. Alade KH, Miller SK, **Cruz AT**, Camp EA, Press GM. The evaluation of a pediatric point-of-care ultrasound training program. Submitted, *Pediatric Emergency Care*.
5. Meskill SD, Revell PA, Chandramohan L, **Cruz AT**. Comparing the diagnostic accuracy of a multiplex polymerase chain reaction for respiratory viruses to rapid assays and viral culture in children. Submitted, *Journal of Virological Methods*.
6. Culotta PA, Crumm CE, **Cruz AT**, Camp EA, Donaruma-Kwoh MM. Screening for medical child abuse: a retrospective cohort study. Submitted, *Pediatrics*.
7. **Cruz AT**, Nigrovic LE, Freedman SB, Okada PJ, Grether-Jones KL, Aronson PL, Fleming AH, Louie J, Schmidt SM, Pruitt CM, Uspal NG, Mahajan P. Frequency of contaminants in bacterial cultures of infants 0-60 days of age.
8. **Cruz AT**, Kuppermann N, Nigrovic LE, Freedman SB, Kulik DM, Schnadower D, Mistry RD, Garro AC, Bradin SA, Curtis SJ, Ishimine PT, Mahajan P. Incidence of invasive *Listeria* and *Enterococcus* infections among 0-60-day-old infants evaluated for meningitis in the emergency department. Planned submission, *Pediatric Infectious Diseases Journal*.
9. **Cruz AT**, Amthor RE, Chandramohan L, Revell PA. Incidence and outcomes of children with infections caused by extended-spectrum beta-lactamase-producing organisms.
10. **Cruz AT**, Nguyen MLH, Larrier DR. Variation in the management of children with nontuberculous mycobacterial cervicofacial lymphadenitis.
11. Lamb GS, **Cruz AT**, Camp EA, Starke JR. Factors associated with completion of therapy for tuberculosis infection internationally displaced children.
12. Morales-Perez L, Doughty CB, Patel B, **Cruz AT**, Garcia de Jesus R, Gonzalez J. Gap analysis and development of a protocol for goal-directed therapy for septic shock in a pediatric emergency department in Puerto Rico after Hurricane Maria.

3. Abstracts Given in Last 3 Years: *abstracts in italics have been submitted for consideration*
  1. Apollo investigator group. A rapid host-protein signature based on TRAIL, IP-10, and CRP permits accurate differentiation of bacterial and viral infection in febrile patients presenting to the emergency department. Oral presentation, American Academy of Pediatrics Annual Meeting, Anaheim, CA. 10/2022.
  2. Chernick LS, Bugaighis M, Britton L, **Cruz AT**, Goyal MK, Mistry RD, Reed JL, Bakken S, Santelli J, Dayan PS. Barriers and enablers to conducting confidential conversations with adolescents in the emergency department: a multicenter, qualitative analysis. Poster, Pediatric Academic Societies Annual Meeting, Denver, CO. 4/2022.
  3. Lin CY, Xie J, Freedman SB, McKee R, Schnadower D, Tarr PI, Finkelstein Y, Desai NM, Lane RD, Bergmann KR, Kaplan RL, Hariharan S, **Cruz AT**, Cohen DM, Dixon A, Ramgopal S, Powell EC, Kilgar J, Michelson KA, Bitzan M, Yen K, Meckler GD, Plint AC, Balamuth F, Bradin S, Gouin S, Kam AJ, Meltzer J, Hunley TE, Avva U, Porter R, Fein DM, Louie JP, Tarr GAM on behalf of Pediatric Emergency Research Canada (PERC) and Pediatric Emergency Medicine Collaborative Research Committee (PM CRC) STEC study group. Predicting adverse outcomes for shiga toxin-producing *E. coli* infections in emergency departments. European Society for Pediatric Infectious Diseases annual meeting, 2021.
  4. Ikeda S, **Cruz AT**, Starke JR. Comparing the epidemiology and clinical characteristics of childhood tuberculosis identified through active and passive case finding. Platform presentation, International Union Against Tuberculosis and Lung Disease annual meeting. Presented virtually due to COVID-19. Sevilla, Spain. October, 2020.
  5. Green RS, **Cruz AT**, Freedman SB, Fleming AH, Balamuth F, Pruitt CM, Lyons TW, Okada PJ, Thompson AD, Mistry RD, Aronson PL, Nigrovic LE for the Herpes Simplex Virus Study Group of the Pediatric Emergency Medicine Collaborative Research Committee (PEM CRC). Poster, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  6. Kuppermann N, Dayan PS, Atabaki S, Bogie A, Cator, Cohen DM, **Cruz AT**, Glissmeyer E, Leetch, Mistry RD, Nigrovic LE, Park, Pickett M, Powell EC, Schnadower D, Tzimenatos L, Balamuth F, Ellison A, Quayle, Ruddy R, Vitale, VanBuren J, Casper TC, Ramilo O, Mahajan P. Validation of a prediction rule for serious bacterial infections in febrile infants  $\leq 60$  days in a multicenter network. Presidential Plenary, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  7. Kuppermann N, Dayan PS, Atabaki S, Bogie A, Cator, Cohen DM, **Cruz AT**, Glissmeyer E, Leetch, Mistry RD, Nigrovic LE, Park, Pickett M, Powell EC, Schnadower D, Tzimenatos L, Balamuth F, Ellison A, Quayle, Ruddy R, Vitale, VanBuren J, Casper TC, Ramilo O, Mahajan P. Validation of a prediction rule for serious bacterial infections in febrile infants  $\leq 60$  days in a multicenter network. Platform presentation, Society for Academic Emergency Medicine, Denver, CO. 5/2020.
  8. Mahajan P, Tzimenatos L, **Cruz AT**, Vitale, Powell EC, Leetch, Pickett M, Brayer, Nigrovic LE, Dayan PS, Atabaki S, Ruddy R, Rogers A, Greenberg, Alpern E, Tunik M, Saunders M, Muenzer J, Levine D, Hoyle J, Grisanti L, Gattu, Crain E, Borgialli, Bonsu B, Blumberg, Anders J, Roosevelt G, Browne L, Cohen D, Linakis J, Jaffe D, Bennett J, Schnadower D, Park, Mistry RD, Glissmeyer E, Cator, Bogie A, Quale, Ellison E, Balamuth F, Richards, VanBuren J, Ramilo O, Kuppermann N. Prevalence of bacteremia and meningitis in febrile infants  $\leq 60$  days with positive urinalyses in a multicenter network. Platform, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  9. Mahajan P, Tzimenatos L, **Cruz AT**, Vitale, Powell EC, Leetch, Pickett M, Brayer, Nigrovic LE, Dayan PS, Atabaki S, Ruddy R, Rogers A, Greenberg, Alpern E, Tunik M, Saunders M, Muenzer J, Levine D, Hoyle J, Grisanti L, Gattu, Crain E, Borgialli,



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10. Reed J, Howe JL, Adams KT, Augustine E, **Cruz AT**, Pickett M, Schmidt S, Stukus S, Goyal M. Workflow analysis of pediatric emergency department visits for six sites. Poster, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  11. Kaplan R, Abramo T, Thompson A, **Cruz AT**, Vance C, McAneny C, Schnadower D, Srivasta G, Gerard J, Strutt J, Freeman J, Khanna K, Smith K, Noorbakhsh K, Bergmann K, Badaki-Makun K, Michelson K, Middelberg L, Haines L, Samuels-Kalow M, Blackstone M, Shah N, Morientes O, Chaudhari P, Pruitt CM, Lane R, Kannikeswaran R, Freedman S, Avva U, Bajaj L. Neonatal mastitis: presentations, outcomes, and concurrent serious bacterial infection. Platform, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  12. Kaplan R, Abramo T, Thompson A, **Cruz AT**, Vance C, McAneny C, Schnadower D, Srivasta G, Gerard J, Strutt J, Freeman J, Khanna K, Smith K, Noorbakhsh K, Bergmann K, Badaki-Makun K, Michelson K, Middelberg L, Haines L, Samuels-Kalow M, Blackstone M, Shah N, Morientes O, Chaudhari P, Pruitt CM, Lane R, Kannikeswaran R, Freedman S, Avva U, Bajaj L. Omphalitis: presentations, outcomes, and concurrent serious bacterial infection. Poster, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  13. McLaren S, **Cruz AT**, Dayan PS. Invasive bacterial infections and adverse events in afebrile infants aged 90 days and younger with clinically-diagnosed acute otitis media. Platform, Pediatric Academic Societies Annual Meeting, Philadelphia, PA. 4/2020.
  14. Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald D, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol E, Carrol C, Choong K, Cies JJ, **Cruz AT**, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine PT, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, McLaren G, Mehta NM, Møller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HE, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kisson N, Tissieres P. Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children, 2019. Society of Critical Care Medicine.
  15. **Cruz AT**, Gonzalez VM, Melicoff-Portillo E. Infections in pediatric lung transplant recipients within 2 years of transplantation. Pediatric Academic Societies' Annual Meeting. Baltimore, MD. April, 2019. Poster presentation.
  16. Aronson PA, **Cruz AT**, Freedman SB, Balamuth F, Grether-Jones K, Lyons T, Louie J, Mistry R, Garro A, Shah SS, Fleming AH, Nigrovic LE. Impact of herpes simplex virus testing on hospital length of stay for infants < 60 days old undergoing evaluation for meningitis. Pediatric Academic Societies' Annual Meeting. Baltimore, MD. April, 2019. Poster presentation.
  17. Tsze D, **Cruz AT**, Mistry R, Gonzalez AE, Ochs JB, Richer L, Kuppermann N, Dayan PS. Interobserver agreement of clinical findings in children with headache. Pediatric Academic Societies' Annual Meeting. Baltimore, MD. April, 2019. Poster presentation.
  18. Lamb GS, **Cruz AT**, Starke JR. Discrepancies between tuberculin skin tests and interferon-gamma release assays in migrant children relocating to Harris County, Texas (Houston). Pediatric Academic Societies' Annual Meeting. Baltimore, MD. April, 2019. Platform presentation.
  19. Priesberga K, Chelius D, **Cruz AT**. Etiology of suppurative parotitis in pediatrics. Pediatric Academic Societies' Annual Meeting. Baltimore, MD. April, 2019. Poster presentation.

20. **Cruz AT**, Starke JR. Window prophylaxis for children exposed to tuberculosis. North American Region Tuberculosis Meeting. Vancouver, BC. February, 2019. Poster presentation.
21. Lamb GS, **Cruz AT**, Haynie A, Montour J, Piper T, Starke JR. Factors associated with acceptance and completion of therapy for tuberculosis infection in immigrant children. North American Region Tuberculosis Meeting. Vancouver, BC. February, 2019. Poster presentation.
22. Fanny SA, Camp EA, Murray KO, **Cruz AT**, Chumpitazi CE. Pediatric emergency department and urgent care utilization after Hurricane Harvey. American Academy of Pediatrics Annual Meeting. Orlando, FL. October, 2018. Poster presentation.
23. Fanny SA, Oluyomi A, Camp EA, Murray KO, **Cruz AT**, Chumpitazi CE. Geospatial distribution of pediatric emergency department and urgent care patients after Hurricane Harvey. American Academy of Pediatrics Annual Meeting. Orlando, FL. October, 2018. Poster presentation.
24. Morales-Perez L, Doughty CB, Patel B, **Cruz AT**, Garcia de Jesus R, Gonzalez J. Gap analysis and development of a protocol for goal-directed therapy for septic shock in a pediatric emergency department in Puerto Rico after Hurricane Maria. American Academy of Pediatrics Annual Meeting. Orlando, FL. October, 2018. Poster presentation.
25. Neubauer H, Hall M, Lopez MA, **Cruz AT**, Queen MA, Foradori DM, Aronson PL, Markham JL, Nead JA, Hester GZ, McCulloh RJ, Wallace SS. Comparative effectiveness of antibiotic regimens for children hospitalized with staphylococcal scalded skin syndrome. Pediatric Academic Societies' Annual Meeting. Toronto, ON. May, 2018. Poster presentation.
26. The T, Curfman AL, Burnham CA, Hayes EV, Hagelskjaer Kristensen L, **Cruz AT**, Frenn KA, Lane RD, Cohen DM, Kaplan RL, Rominger A, Kam A, Freedman SB, Russo CJ, Gerard JM, Pickett ML, Ruttan TK, Meltzer JA, Navanandan N, Ulrich SL, Schnadower D. Presentation and outcomes of emergency department patients with *Fusobacterium* bacteremia in an international multicenter study. Pediatric Academic Societies' Annual Meeting. Toronto, ON. May, 2018. Poster presentation.
27. Camp EA, **Cruz AT**, Sheno RP. The association of likely obesity and intra-abdominal injuries in pediatric patients enrolled in the Pediatric Emergency Care Applied Research Network (PECARN study). Pediatric Academic Societies' Annual Meeting. Toronto, ON. May, 2018. Poster presentation.
28. Bernardo EO, Starke HE, **Cruz AT**, Loftis L, Buffone GJ, Arikan AA. Assessment of community-acquired pediatric acute kidney injury in the emergency department. Pediatric Academic Societies' Annual Meeting. Toronto, ON. May, 2018. Poster presentation.
29. McKee RS, Schnadower D, Tarr PI, Desai N, Lane R, Bergmann K, Hariharan S, **Cruz AT**, Cohen D, Dixon A, Finkelstein Y, Hickey R, Rominger A, Powell E, Poonai N, Michelson K, Beer D, Pruitt C, Yen K, Bitzan M, Plint A, Meckler G, Braden S, Abramo TJ, Gouin S, Kam A, Balamuth F, Hunley T, Brown C, Schuh A, Kanegaye J, Jones N, Meltzer J, Avva U, Porter R, Fein D, Louis J, Cohen A, Stevens M, Freedman SB on behalf of Pediatric Emergency Research Canada (PERC) and the Pediatric Emergency Medicine Collaborative Research Committee (PEM CRC). Practice patterns and outcomes of children infected with verocytotoxin-producing *Escherichia coli* (VTEC) in pediatric emergency departments in North America. Pediatric Academic Societies' Annual Meeting. Toronto, ON. May, 2018. Platform presentation.
30. McKee RS, Schnadower D, Tarr PI, Desai N, Lane R, Bergmann K, Hariharan S, **Cruz AT**, Cohen D, Dixon A, Finkelstein Y, Hickey R, Rominger A, Powell E, Poonai N, Michelson K, Beer D, Pruitt C, Yen K, Bitzan M, Plint A, Meckler G, Braden S, Abramo TJ, Gouin S, Kam A, Balamuth F, Hunley T, Brown C, Schuh A, Kanegaye J, Jones N, Meltzer J, Avva U, Porter R, Fein D, Louis J, Cohen A, Stevens M, Freedman SB on behalf of Pediatric Emergency Research Canada (PERC) and the Pediatric Emergency Medicine Collaborative Research Committee (PEM CRC).

Practice patterns and outcomes of children infected with verocytotoxin-producing *Escherichia coli* (VTEC) in pediatric emergency departments in North America. International VTEC Symposium, Florence, Italy. May, 2018. Platform presentation.

31. **Cruz AT**, Starke JR. Enhanced completion and safety for treating tuberculosis infection using shorter regimens. North American Region Tuberculosis Meeting. Chicago, IL. February, 2018. Platform and poster presentations.
32. Lamb GS, **Cruz AT**, Reed B, Montour J, Piper T, Starke JR. Testing refugee children for tuberculosis infection. North American Region Tuberculosis Meeting. Chicago, IL. February, 2018. Poster presentations.

#### 4. Books:

##### 1. Book chapters written:

1. **Cruz AT**. Infectious Disease Emergencies. In the *Textbook of Pediatric Emergency Medicine*, 8<sup>th</sup> edition. K Shaw, R Bachur, J Chamberlin, J Lavelle, J Nagler, and JE Shook. Lippincott Williams and Wilkins: Philadelphia, PA, 2022.
2. **Cruz AT**. Infections in Returned Travelers. In the *Textbook of Pediatric Emergency Medicine*, 8<sup>th</sup> edition. K Shaw, R Bachur, J Chamberlin, J Lavelle, J Nagler, and JE Shook. Lippincott Williams and Wilkins: Philadelphia, PA, 2020.
3. **Cruz AT**. Sexually Transmitted Infections. In the *Textbook of Pediatric Emergency Medicine*, 8<sup>th</sup> edition. K Shaw, R Bachur, J Chamberlin, J Lavelle, J Nagler, and JE Shook. Lippincott Williams and Wilkins: Philadelphia, PA, 2020.
4. Starke JR, **Cruz AT**, Banerjee R. Tuberculosis in Children. In: *The Spectrum of Tuberculosis from Infection to Disease. TB at a Glance, 3<sup>rd</sup> Edition*; Seaworth, Armitage, Griffith, Wilson, Escalante (Eds). Heartland National TB center, Mayo Clinic. San Antonio, TX, 2020.
5. **Cruz AT**. Disseminated Nontuberculous Infections in Children. In: *UpToDate*. DS Basow (Ed). UpToDate: Waltham, MA, 2020.
6. **Cruz AT**. Nontuberculous Mycobacterial Pulmonary Infections in Children. In: *UpToDate*. DS Basow (Ed). UpToDate: Waltham, MA, 2021.
7. **Cruz AT**. Nontuberculous Mycobacterial Lymphadenitis in Children. In: *UpToDate*. DS Basow (Ed). UpToDate: Waltham, MA, 2021.
8. **Cruz AT**. Nontuberculous Mycobacterial Skin and Soft Tissues Infections in Children. In: *UpToDate*. DS Basow (Ed). UpToDate: Waltham, MA, 2020.
9. **Cruz AT**, Starke JR. Tuberculosis. In the *Textbook of Pediatric Infectious Diseases*, 8<sup>th</sup> edition. J Cherry, GJ Demmler-Harrison, SL Kaplan, P Hotez (Eds). Saunders: Philadelphia, PA, 2019.
10. **Cruz AT**. Leprosy and Buruli Ulcer Disease. In the *Textbook of Pediatric Infectious Diseases*, 8<sup>th</sup> edition. RD Feigin, J Cherry, GJ Demmler-Harrison, SL Kaplan (Eds). Saunders: Philadelphia, PA, 2019.
11. Florin T, **Cruz AT**. Respiratory Disorders. In *Atlas of Pediatric Emergency Medicine*, 3<sup>rd</sup> ed. B Shah (Ed). McGraw-Hill: New York, NY, 2019.
12. Agoritsas K, Hassoun AM, Chao J, Subramanian S, **Cruz AT**, Logan Webb R, Greenstein J. Orthopedics. In *Atlas of Pediatric Emergency Medicine*, 3<sup>rd</sup> ed. B Shah (Ed). McGraw-Hill: New York, NY, 2019.
13. Rees C, **Cruz AT**. Pediatric tuberculosis. In *Fleisher and Ludwig's The 5-Minute Pediatric Emergency Medicine Consult*. RJ Hoffman, VJ Wang, RJ Scarfone (Eds). Lippincott Williams & Wilkins: Philadelphia, PA, 2018.
14. **Cruz AT**, Starke JR. Nontuberculous Mycobacterial Disease in Children. In *Nontuberculous Mycobacterial Disease*, 1<sup>st</sup> ed. Ed D Griffith. Springer: New York, NY, 2018.

15. Parker M, **Cruz AT**. Gastroenteritis. In *Pediatric Infectious Diseases: Essentials for Practice*, 2<sup>nd</sup> edition. Ed SS Shah. McGraw-Hill: New York, NY, 2017.
16. **Cruz AT**, Starke JR. Nocardia. In *Succinct Pediatrics*. 2016.
17. **Cruz AT**. Tuberculosis. In *Succinct Pediatrics*. 2016.
18. **Cruz AT**, Starke JR. CNS Tuberculosis. In *Neurobiology of Disease*, 2<sup>nd</sup> Edition. S Gilman (Ed). Elsevier: Amsterdam, 2016.
19. Glomb NWS, **Cruz AT**. Infectious Disease Emergencies, Infections in Returned Travelers, and Sexually Transmitted Infections. In the *Textbook of Pediatric Emergency Medicine*, 7<sup>th</sup> edition. R Bachur, K Shaw, J Chamberlin, J Lavelle, J Nagler, and JE Shook. Lippincott Williams and Wilkins: Philadelphia, PA, 2016.
20. **Cruz AT**. Adolescent tuberculosis. In *Tuberculosis in Children and Adolescents*, 1<sup>st</sup> edition. JR Starke, PR Donald, Eds. Oxford University Press: Oxford, UK, 2016.
21. **Cruz AT**, Starke JR. Tuberculosis. In the *Textbook of Pediatric Infectious Diseases*, 7<sup>th</sup> edition. RD Feigin, J Cherry, GJ Demmler-Harrison, SL Kaplan (Eds). Saunders: Philadelphia, PA, 2013.
22. **Cruz AT**. Leprosy and Buruli Ulcer Disease. In the *Textbook of Pediatric Infectious Diseases*, 7<sup>th</sup> edition. RD Feigin, J Cherry, GJ Demmler-Harrison, SL Kaplan (Eds). Saunders: Philadelphia, PA, 2013.
23. **Cruz AT**, Starke JR. Tuberculosis and nontuberculous mycobacterial infection. In *Pediatric Evaluation and Therapy*. American Academy of Pediatrics: Elk Grove Village, IL, 2013.
24. **Cruz AT**. Travel-related infections. In *Pediatric Emergency Medicine*, 4<sup>th</sup> edition. WR Ahrens, RW Schafermeyer, L Yamamoto, G Sharieff, CG Macias, M Tennebien (Eds). McGraw-Hill: Columbus, OH, 2013.
25. **Cruz AT**. Tick-borne infections. In *Pediatric Emergency Medicine*, 4<sup>th</sup> edition. WR Ahrens, RW Schafermeyer, L Yamamoto, G Sharieff, CG Macias, M Tennebien (Eds). McGraw-Hill: Columbus, OH, 2013.
26. **Cruz AT**. Infections in the immunocompromised host. In *Pediatric Emergency Medicine*, 4<sup>th</sup> edition. WR Ahrens, RW Schafermeyer, L Yamamoto, G Sharieff, CG Macias, M Tennebien (Eds). McGraw-Hill: Columbus, OH, 2013.
27. Starke JR, **Cruz AT**. Tuberculosis. In *Infectious Diseases of the Fetus and Newborn Infant*. Remington, Klein, Wilson, Maldonado, and Nizet (Eds). 7<sup>th</sup> ed. 2011. Elsevier-Saunders: Philadelphia, PA. Pages 577-600.
28. **Cruz AT**. Pediatric Tuberculosis. In *Clinical Decision Support: Pediatrics*. J McMillan, DJ Barrett, C Boney, JD Jones (Eds). Decision Support in Medicine, LLC: Wilmington, DE.2011.
29. **Cruz AT**, Starke JR. Nocardiasis. In *Clinical Decision Support: Pediatrics*. J McMillan, DJ Barrett, C Boney, JD Jones (Eds). Decision Support in Medicine, LLC: Wilmington, DE.2011.
30. **Cruz AT**, Starke JR. Childhood Tuberculosis. In Web-based module. 2012.
31. **Cruz AT**, Allen CH. Infection control in the emergency department. In *Pediatric Patient Safety in the Emergency Department*. Co-sponsored by the American Academy of Pediatrics and the Joint Commission. American Academy of Pediatrics: Elk Grove Village, IL, 2011.
32. **Cruz AT**, Starke JR. Extrapulmonary tuberculosis. In *Tuberculosis en Niños y Jóvenes*, ed CC Sant'Anna and MA Lobo-Guerrero, 2011.

#### **D. Innovation and Commercialization**

1. Evidence of impacting health/scientific policy or clinical practice guidelines:

1. Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald D, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol E, Carrol C, Choong K, Cies JJ, **Cruz AT**, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine PT, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, McLaren G, Mehta NM, Møller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HE, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P. Surviving Sepsis Campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children, 2019. Society of Critical Care Medicine. 2019.
2. Cuevas LE, Browning R, Bossuyt P, Casenghi M, Cotton MF, **Cruz AT**, Dodd L, Drobniewski F, Gale M, Graham SM, Heinrich N, Hesselring AC, Huebner R, Jean-Philippe P, Kabra SK, Kampmann B, Lewinsohn D, Li M, Lienhardt C, Mandalakas M, Marais B, Menzies H, Montepiedra G, Mwansambo C, Oberhelman R, Smith B, Russek-Cohen E, Shapiro D, Soto-Castellares G, Starke JR, Swaminathan S, Wingfield C, Worrell C. Evaluation of tuberculosis diagnostics in children: methodological issues and reference standards for research reporting of intrathoracic tuberculosis in children: consensus from an expert panel. 2012.

### III. TEACHING INFORMATION

#### A. Educational leadership roles

1. American Pediatrics Association, co-chair of Pediatric Emergency Medicine Special Interest Group, 2019-present
2. Planning committee, North American Region Tuberculosis Meeting, 2018-present
3. Clinical Competency Evaluation Committee, Pediatric Emergency Medicine Section, Texas Children's Hospital. 2013-present
4. Curriculum committee, pediatric emergency medicine, Baylor College of Medicine, 2009-present

#### B. Curriculum development work *(all done at BCM)*

1. Evidence-based medicine, Texas Children's Hospital. 2005-2015
  - a. Role: instructor (6x/year)
  - b. Audience: pediatric housestaff
2. Fever and neutropenia in the immunocompromised patient, Texas Children's Hospital. 2006-present
  - a. Role: instructor (2-3x/year)
  - b. Audience: pediatric emergency medicine and hematology/oncology nurses
3. Childhood tuberculosis, National School of Tropical Medicine. Houston, TX.
  - a. Role: instructor (2x/year)
  - b. Audience: medical students, residents, fellows, faculty
1. Antibiotic utilization in the critical care setting, Texas Children's Hospital. Houston, TX. 2006-present
  - a. Role: instructor (2-3x/year)
  - b. Audience: critical care medicine advanced pediatric providers, pediatric housestaff
2. Visiting lecturer in global health and epidemiology, University of Texas at Houston School of Public Health. 2009-present.
  - a. Role: instructor (2-3x/year)
  - b. Audience: masters' degree and PhD candidates at the school of public health
3. Viral infections of the fetus and neonate. Ben Taub General Hospital. Houston, TX. 2004-2011 (taught 2-4 times annually).
  - a. Role: instructor (2-3x/year)
  - b. Audience: pediatric housestaff

### C. Non-didactic teaching while at BCM

1. Resident training:
  - a. Personal mentor:
    - i. Erin Bendure, M.D., 2010-2013.
      1. Current position: pediatric emergency medicine attending, Baylor College of Medicine
    - ii. Nathan Serazin, M.D., 2012-2016.
      1. Current position: pediatric critical care medicine fellow, Baylor College of Medicine
    - iii. Kathryn Rappaport, M.D., 2013-2016.
      1. Current position: pediatric emergency medicine fellow, Children's Hospital of Colorado
    - iv. Elizabeth Keating, M.D., 2014-2017.
      1. Current position: pediatric emergency medicine fellow, University of Utah
  - b. Research mentor:
    - i. Jesse Groh, M.D. Cerebrospinal fluid findings in children with pertussis. 2008-2009.
      1. Current position: community pediatrician, St. Louis, MO.
    - ii. Tina Chu, M.D. 2009-2011.
      1. Current position: pediatric emergency medicine attending, Dell Children's Hospital.
    - iii. Brittany Duyka, M.D. 2013-2016. Ophthalmologic manifestations of tuberculosis.
    - iv. Rachel Amthor, M.D. 2014-present. Extended-spectrum beta lactamases in a children's hospital.
    - v. Elizabeth Keating, M.D. 2015-present. Utility of computed tomography for the evaluation of appendicitis in children in whom the appendix was not visualized by ultrasonography.
2. Clinical fellow training:
  - a. David Hooke, D.O. Pediatric Emergency Medicine. 2008-2011.
    - i. Current position: Attending physician, pediatric emergency medicine, Joe DiMaggio Children's Hospital, Hollywood, FL.
  - b. Alex Toledo, D.O. Pediatric Emergency Medicine. 2009-2011.
    - i. Current position: Emergency medicine attending, Maricopa Medical Center, Phoenix, AZ.
  - c. Thuy Ngo, D.O. Pediatric Emergency Medicine. 2009-2011.
    - i. Current position: Assistant professor, Johns Hopkins University, Baltimore, MD
  - d. Nakia Johnson, M.D. Pediatric Emergency Medicine. 2009-2012.
    - i. Current position: Assistant professor, pediatric emergency medicine, University of Texas Southwestern Medical Center, Dallas, TX.
  - e. Roxanna Lefort, M.D., M.P.H. Pediatric Emergency Medicine. 2009-2012.
    - i. Current position: Assistant professor, pediatric emergency medicine, University of Colorado School of Medicine, Denver, CO.
  - f. Paul Mullan, M.D., M.P.H. Pediatric Emergency Medicine. 2009-2012.
    - i. Current position: Assistant professor, pediatric emergency medicine, Children's Hospital of the King's Daughters, Norfolk, VA.
  - g. Shannon Wai, M.D. Pediatric Emergency Medicine. 2009-2012.
    - i. Current position: Assistant professor, pediatric emergency medicine, Rady Children's Hospital, San Diego, CA.
  - h. Carla DeJohn, M.D. Pediatric hospitalist medicine, 2009-2011.
    - i. Current position: Assistant professor, pediatric hospitalist medicine, Baylor College of Medicine, Houston, TX.

- i. Jennifer Nead, M.D. Pediatric hospitalist medicine, 2009-2011.
    - i. Current position: Assistant professor, pediatric hospitalist medicine, State University of New York (SUNY) Upstate Medical University, Syracuse, NY.
  - j. Beth Bubolz, M.D. Pediatric Emergency Medicine. 2010-2013.
    - i. Current position: Assistant professor, pediatric emergency medicine. Nationwide Children's Hospital, Columbus, OH.
  - k. Rajesh Daftary, M.D. Pediatric Emergency Medicine. 2010-2013.
    - i. Current position: Assistant professor, pediatric emergency medicine, University of California-San Francisco, San Francisco, CA.
  - l. Shani Cunningham, M.D. Pediatric hospitalist medicine, 2010-2011.
    - i. Current position: Pediatrician, Groveland, FL.
  - m. Michelle Lopez, M.D. Pediatric hospitalist medicine, 2010-2012.
    - i. Current position: Assistant professor, pediatric hospitalist medicine, Baylor College of Medicine, Houston, TX.
  - n. Beena Kazi, M.D. Pediatric Emergency Medicine. 2011-2014.
    - i. Current position: Attending physician, pediatric emergency medicine, Children's Hospital of Los Angeles, Los Angeles, CA.
  - o. Cecilia Torres-Day, M.D. Neonatology, 2011-2014.
    - i. Current position: Assistant professor, neonatology, Baylor College of Medicine, Houston, TX.
  - p. Casandra Quiñones, M.D. Pediatric Emergency Medicine. 2012-2015.
    - i. Current position: Assistant professor, pediatric emergency medicine. Baylor College of Medicine, Houston, TX.
  - q. Heather L. Young, MD, MSc. Pediatric Infectious Diseases, 2012-2015.
    - i. Current position: Assistant professor, pediatric infectious diseases, University of Arkansas.
  - r. Lindsay Hatzenbuehler Cameron, M.D. Pediatric Infectious Diseases, 2012-2015.
    - i. Current position: Assistant professor, pediatric infectious diseases, Baylor College of Medicine, Houston, TX.
  - s. Carol Chen, M.D. Pediatric Emergency Medicine. 2012-2016.
    - i. Current position: Assistant professor, emergency medicine, University of California-San Francisco, San Francisco, CA.
  - t. Nicolaus Glomb, M.D. Pediatric Emergency Medicine. 2012-2016.
    - i. Current position: Assistant professor, emergency medicine, University of California-San Francisco, San Francisco, CA.
  - u. Silvia Chiang, M.D. Pediatric Infectious Diseases. 2013-2016.
    - i. Current position: Assistant professor, pediatric infectious diseases, Brown University School of Medicine, Providence, RI.
  - v. Megan Marino, M.D. Pediatric Emergency Medicine. 2013-2017.
    - i. Current position: Assistant professor, pediatric emergency medicine, Oschner Children's Hospital, New Orleans, LA.
  - w. Erin Nicholson, M.D. Pediatric Infectious Diseases. 2014-2017.
    - i. Current position: Instructor, pediatric infectious diseases, Baylor College of Medicine, Houston, TX.
  - x. Gabriela Lamb, M.D. Pediatric Infectious Diseases. 2016-2019.
    - i. Current position: Instructor, Harvard Medical School, Boston, MA.
3. Research fellow training:
- a. Kiyetta Alade, M.D. Pediatric Emergency Medicine. Prevention of abusive head trauma via education of expectant teenagers. 2009-2010.
    - i. Current position: Assistant professor, emergency medicine, Baylor College of Medicine, Houston, TX

- b. Elaine Fielder, M.D. Pediatric Emergency Medicine. Impact of media reports on pediatric call volume to Texas poison control networks. 2008-2010.
  - i. Current position: Assistant professor, emergency medicine, Baylor College of Medicine, Houston, TX
- c. Andrew Perry, M.D. Pediatric Emergency Medicine. Shock recognition in the emergency department. 2009-2010.
  - i. Assistant professor, pediatric emergency medicine. University of Hawai'i, Honolulu, HI
- d. Carla Laos, M.D. Pediatric Emergency Medicine. Parent satisfaction with a mobile pediatric emergency response team: a descriptive study. 2009-2011.
  - i. Attending, St. David's Children's Hospital, Austin, TX
- e. Katherine Leaming-Van Zandt, M.D. Pediatric Emergency Medicine. Increasing participation in pediatric emergency department studies by parent identification of possible enrollment. 2009-2010.
  - i. Current position: Associate professor, emergency medicine, Baylor College of Medicine, Houston, TX
- f. Roxanna Lefort, M.D. Pediatric Emergency Medicine. The utility of the observation unit in the child with an isolated skull fracture. 2009-2012.
  - i. Current position: Assistant professor, pediatric emergency medicine, Indiana University, Indianapolis, IN.
- g. Mini Wallace, D.O. Pediatric Hospitalist Medicine. Clinical predictors of complications in infants with pertussis. 2009-2010.
  - i. Current position: Assistant professor, hospitalist medicine, Baylor College of Medicine, Houston, TX
- h. Michelle Lopez, M.D. Pediatric Hospitalist Medicine. Healthcare utilization associated with skin and soft tissue infections. 2010-present.
  - i. Current position: Assistant professor, hospitalist medicine, Baylor College of Medicine, Houston, TX
- i. Nakia Johnson, M.D. Pediatric Emergency Medicine. Etiologies of sepsis in children presenting to the emergency department. 2009-2012.
  - i. Assistant professor, pediatric emergency medicine, University of Texas Southwestern Medical Center, Dallas, TX
- j. Paul C. Mullan, M.D. Pediatric Emergency Medicine. Emergency department triage algorithms in Gaborone, Botswana. 2009-2012.
  - i. Associate professor, pediatric emergency medicine, Children's Hospital of the King's Daughters, Norfolk, VA
- k. Rajesh Daftary, M.D. Pediatric Emergency Medicine. Tools for evaluation of disaster responses. 2010-2013.
  - i. Current position: Assistant professor, emergency medicine, University of California-San Francisco, San Francisco, CA
- l. Molly Altobelli, M.D. Pediatric Hospitalist Medicine. Acute hematogenous osteomyelitis and culture yield. 2010-2012.
  - i. Current position: community pediatrician, Houston, TX
- m. Beena Kazi, M.D. Pediatric Emergency Medicine. Performance characteristics of urinalyses for the diagnosis of pediatric urinary tract infections. 2011-2014.
  - i. Current position: Attending physician, Children's Hospital of Orange County, Orange, CA
- n. Derek Zhorne, M.D. Pediatric Hospitalist Medicine. Acute hematogenous osteomyelitis and culture yield. 2012-2014.
  - i. Current position: Assistant professor, hospitalist medicine, University of Iowa School of Medicine. Iowa City, IA
- o. Carol Chen, M.D. Pediatric Emergency Medicine. Establishment of children's healthcare facilities in developing nations. 2012-2016.
  - i. Current position: Assistant professor, emergency medicine, University of California-San Francisco, San Francisco, CA



- p. Nicolaus Glomb, M.D. Pediatric Emergency Medicine. Establishment of minimal standards for pediatric emergency department care in international settings. 2012-2016.
  - i. Current position: Assistant professor, emergency medicine, University of California-San Francisco, San Francisco, CA
- q. Casandra Quiñones, M.D. Pediatric Emergency Medicine. Disparities in pediatric utilization of emergency medical services. 2012-2015.
  - i. Current position: Assistant professor, pediatric emergency medicine, Baylor College of Medicine, Houston, TX
- r. Lindsay Hatzenbuehler, M.D. Pediatric Infectious Diseases. Use of interferon gamma release assays to screen high-risk adolescents for tuberculosis infection. 2012-2015.
  - i. Current position: Assistant professor, pediatric infectious diseases, Baylor College of Medicine, Houston, TX
- s. Silvia Chiang, M.D. Pediatric Infectious Diseases. Optimal regimens for the treatment of multidrug-resistant tuberculosis in Peruvian children. 2013-2016.
  - i. Current position: Assistant professor, pediatric infectious diseases, Brown University School of Medicine, Providence, RI
- t. Sarah Meskill, M.D. Pediatric Emergency Medicine. Respiratory viral diagnostics and seasonality. 2013-2016.
  - i. Current position: Assistant professor, emergency medicine, Baylor College of Medicine, Houston, TX
- u. Dana Foradori Marino, M.D. Pediatric Hospitalist Medicine. 2014-2016.
  - i. Current position: Assistant professor, pediatric hospitalist medicine, The Cleveland Clinic, Cleveland, OH.
- v. Vanessa Thomas, M.D. Pediatric Emergency Medicine. Pediatric emergency medicine physician knowledge, attitudes, and practices toward tropical infectious diseases. 2014-2017.
  - i. Current position: Assistant professor, emergency medicine, East Tennessee Children's Hospital, Knoxville, TN
- w. Heather Y. Highsmith, M.D., M.P.H. Pediatric Infectious Diseases. Ebola knowledge and perceived safety among healthcare workers at a tertiary care children's hospital. 2014-2017.
  - i. Current position: Assistant professor, pediatric infectious diseases, University of Arkansas, Little Rock, AR
- x. Erin Nicholson, M.D. Pediatric Infectious Diseases. Epidemiology of viral infections in febrile infants seen in the emergency department. 2014-2017.
  - i. Current position: Assistant professor, pediatric infectious diseases, Baylor College of Medicine, Houston, TX
- y. Paige Culotta, M.D. Child Abuse Pediatrics. Incremental value of skull x-rays in children with suspected abusive head traumas in whom computed tomography of the head is being obtained.
  - i. Current position: Assistant professor, Louisiana Children's Medical Center, New Orleans, LA
- z. Nirica Borges, M.D. Pediatric Critical Care Medicine. Time metrics for the management of pediatric septic shock and development of reporting tools to clinicians. 2014-2018.
  - i. Current position: Assistant professor, critical care medicine, Baylor College of Medicine, Houston, TX
- aa. Asha Morrow, M.D. Pediatric Emergency Medicine. Utilization of urgent care centers and secondary triage. 2016-2019.
  - i. Current position: Assistant professor, emergency medicine, Baylor College of Medicine, Houston, TX
- bb. Erika Bernardo, M.D. Pediatric Critical Care Medicine. Identification of acute kidney injury in children presenting to the emergency department. 2016-2019.

- i. Current position: Clinical instructor, critical care medicine, Baylor College of Medicine, Houston, TX
  - cc. Gabriella Lamb, M.D. Pediatric Infectious Diseases. Tuberculosis and refugee health. 2016-2019.
    - i. Current position: Clinical instructor, pediatric infectious diseases, Boston Children's Hospital, Boston, MA
  - dd. Bryan Greenfield, M.D. Pediatric Emergency Medicine. Concomitant bacterial infections in young infants with respiratory viral infections. 2017-2020.
    - i. Current position: Assistant professor, emergency medicine, Baylor College of Medicine, Houston, TX
  - ee. Saki Ikeda, M.D. Pediatric Infectious Diseases. Clinical manifestations of tuberculosis disease in children identified through active and passive case finding. 2018-2021.
  - ff. Gina Aloisio, M.D., PhD. Pediatric Emergency Medicine. 2020-2023.
  - gg. Shubhada Hooli, M.D., M.P.H. Pediatric Emergency Medicine. 2020-2022.
  - hh. Kristen D'Hemecourt, M.D. Pediatric Infectious Diseases (Brown University). 2023-2026.
  - ii. Zachary Foughty, M.D., M.P.P., M.P.H. Pediatric Emergency Medicine. 2021-2024.
- 4. Graduate student training:
  - a. Duc Bui, MPH Candidate at UT-Houston School of Public Health: 2011-2013.
  - b. Stephanie Marton, M.D. MPH Candidate at UT-Houston School of Public Health: 2011-2013.
  - c. Paulette Abbas, M.D. MS Candidate in the CSTP at Baylor College of Medicine. 2013-2015.
  - d. Erin Nicholson, MD. MS candidate in the CSTP at Baylor College of Medicine. 2018-2022.
- 5. Medical student training:
  - a. Matthew Starke: 2011.
    - i. Current position: Assistant professor, Department of Orthopedic Surgery, Michigan State University, Grand Rapids, MI
  - b. Gilad Birnbaum: 2012-2014
    - i. Current position: Cardiology fellow, Baylor College of Medicine
  - c. Kevin Hwang: 2012-2014
    - i. Current position: Orthopedic surgery resident, University of California-San Francisco
  - d. Omar Merchant: 2013-2014
    - i. Current position: Internal Medicine resident. Baylor College of Medicine
  - e. Affan Zafar: 2013-2014
    - i. Current position: Urology resident. Washington University School of Medicine
  - f. Hannah Starke: 2015-2019
    - i. Current position: Pediatric resident. Children's Hospital of San Antonio

#### **D. Lectures and presentations**

1. International: *Please also see international talks in the Invited Talk section (n=28)*
  1. Prevention of tuberculosis disease in children. Training session on tuberculosis in special populations. La Guajira, Colombia. 10/2017.
  2. Contact tracing and case finding for tuberculosis. Training session on tuberculosis in special populations. La Guajira, Colombia. 10/2017.
  3. Childhood tuberculosis. Training session on tuberculosis in special populations. La Guajira, Colombia. 10/2017.

4. Tuberculosis screening in resource-limited settings. Riohacha, Colombia. 10/2017.
  5. Expanding tuberculosis diagnostic tools in developing nations. Botswana-Baylor Children's Clinical Centre of Excellence. Gaborone, Botswana. 7/2012.
  6. Tuberculosis research opportunities in HIV-endemic, resource poor settings. Center for Global Health. Johannesburg, South Africa. 11/2011.
  7. New tuberculosis diagnostics. Baylor-Botswana Center of Excellence. Gaborone, Botswana. 10/2011.
  8. HIV and tuberculosis co-infection in children. Baylor International Pediatric AIDS Initiative, Romania Center of Excellence. Constanta, Romania. 9/2010.
  9. Radiographic findings in childhood tuberculosis. Baylor International Pediatric AIDS Initiative, Malawi Center of Excellence. Lilongwe, Malawi. 5/2009.
  10. Twenty-five year experience with drug-resistant tuberculosis in children in Texas. Toronto, Ontario. 5/2008.
  11. International conference on the use of subcutaneous fluid administration for volume resuscitation in dehydrated children. Madrid, Spain. 10/2007.
2. National: *Please also see national talks in the Invited Talk section (n=54)*
    1. Epidemiology of herpes simplex virus: a multicenter North American study. Pediatric Academic Societies' annual meeting. Baltimore, MD. 5/2016.
    2. Orthopedic considerations in the management of nontuberculous mycobacterial infections. Podcast, American Journal of Orthopedics. 8/2012.
  3. Regional: *Please also see regional talks in the Invited Talk section (n=37)*
    1. Tick-borne disease. Johns Hopkins Pediatric Emergency Medicine Grand Rounds. Baltimore, MD (Conducted virtually). 1/2023.
    2. Herpes simplex virus in neonates and young infants. Columbia University Pediatric Emergency Medicine conference. New York, NY (Conducted virtually). 12/2022.
    3. Manuscript development. University of Texas at Austin Medical School. 9/2018.
    4. Understanding pediatric emergency medicine research networks. University of Texas at Austin Medical School. 1/2018.
    5. Childhood tuberculosis. University of Texas at Austin Medical School. 1/2018.
    6. Maximizing academic productivity. Pediatric emergency medicine grand rounds. Dell Children's Hospital. Austin, TX. 11/2016.
    7. The epidemiology of tuberculosis in the United States. University of Texas-Houston School of Public Health. Houston, TX. 11/2015.
    8. Clinical manifestations of childhood tuberculosis. National School of Tropical Medicine, Baylor College of Medicine, Houston, TX. 7/2015.
    9. Childhood tuberculosis: a preventable disease not being prevented. El Paso Health Department World Tuberculosis Day Conference. 3/2015.
    10. Updates in Childhood Tuberculosis. City of Houston Health Department World Tuberculosis Day Conference. 3/2015.
    11. Ebola virus. All-Houston Emergency Medicine Conference: Preparing for the Unexpected. Houston, TX. 2/2015.
    12. Epidemiology of tuberculosis. University of Texas-Houston School of Public Health. Houston, TX. 12/2014.
    13. Clinical manifestations, diagnosis, and treatment of childhood tuberculosis. Baylor National School of Tropical Medicine. Houston, TX. 2/2014.
    14. Epidemiology of childhood tuberculosis. Heartland National Tuberculosis Center Pediatric TB Intensive course. Houston, TX. 10/2013.

15. Adolescent tuberculosis. Heartland National Tuberculosis Center Pediatric TB Intensive course. Houston, TX. 10/2013.
16. Clinical manifestations, diagnosis, and treatment of childhood tuberculosis. Baylor National School of Tropical Medicine. Houston, TX. 2/2013.
17. Clinical manifestations, diagnosis, and treatment of diphtheria and tetanus. Baylor National School of Tropical Medicine. Houston, TX. 1/2013.
18. Infections considerations in athletes. Methodist Sports Medicine annual conference. Houston, TX. 6/2012.
19. Infections in returning travelers. 64<sup>th</sup> Annual Baylor Pediatric Post-graduate symposium. Houston, TX. 4/2012.
20. Childhood tuberculosis in developing nations. Baylor International Colloquium. Houston, TX. 4/2012.
21. Research strategies for childhood tuberculosis. Baylor International Colloquium. Houston, TX. 4/2012.
22. Interferon gamma release assays in children. World Tuberculosis Day celebration, regional health departments. Houston, TX. 3/2012.
23. Childhood tuberculosis. American Lung Association sponsored World Tuberculosis Day. Houston, TX. 3/2012.
24. Chair: Fever and Neutropenia forum. All-Houston Emergency Medicine Conference. Houston, TX. 2/2012.
25. Updates on the diagnosis of childhood tuberculosis. Educational series sponsored by the City of Houston Health Department Division of Tuberculosis Control. Houston, TX. 2/2012.
26. Pediatric tuberculosis and public health. World Tuberculosis Day, regional public health departments. Houston, TX. 3/2011.
27. Osteomyelitis. 14<sup>th</sup> Annual Texas Pediatric Emergency Medicine Conference. Houston, TX. 2/2011.
28. Infections in returned travelers. Association of Family Practice Physician Assistants National Meeting. San Antonio, TX. 2/2011.
29. Emergency department presentation of travelers' diseases. Texas Children's Hospital Pediatric Emergency Medicine Annual Conference. 2/2010.
30. The basics of childhood tuberculosis. Heartland Tuberculosis Symposium – Pediatric TB Intensive Course. 11/2009.
31. H1N1 surge planning. Texas Regional Hospital Preparedness Council Healthcare Planning and Disaster Preparedness Workshop. 10/2009.
32. Specific multi-center projects. Texas Pediatric Society Annual Conference, Pediatric Emergency Medicine Research Workshop. 9/2009.
33. Texas Pediatric Society Annual Conference, Pediatric Emergency Medicine Research Workshop. Moderator, small group sessions for fellows. 9/2009.
34. Subcutaneous fluid administration for pediatric dehydration. Central Texas Emergency Nurses' Association. Round Rock, TX. 8/2009.
35. Enzyme-augmented subcutaneous fluid administration. San Antonio Nurses' Association. 5/2009.
36. Enzyme-augmented subcutaneous fluid administration. Austin Nurses' Association. 5/2009.
37. Pediatric dehydration and fluid resuscitation. Houston Emergency Nurses' Association. 4/2009.
38. Drug resistant tuberculosis in children. University of Texas at Brownsville School of Public Health. 5/2008.
39. Tuberculosis: an introduction to epidemiology, clinical manifestations, diagnosis, prevention, and treatment. Texas Academy of Physician Assistants' Annual Meeting; Houston, TX. 9/2006.
40. *Mycobacterium tuberculosis* pericarditis. Vanderbilt University School of Medicine. 8/2005.

4. Local:

1. Evaluation of the febrile infant. Division of Pediatric Emergency Medicine. Baylor College of Medicine. 8/2023.
2. Manuscript submission. Division of Pediatric Emergency Medicine. Baylor College of Medicine. 6/2023.
3. Institutional review board considerations. Clinician-Scientist Training Program. Baylor College of Medicine. 2/2023.
4. Herpes simplex. Division of Pediatric Infectious Diseases, Baylor College of Medicine. 10/2022.
5. Case reports. Division of Pediatric Emergency Medicine, Baylor College of Medicine. 9/2022.
6. Scientific presentations. Baylor College of Medicine, Department of Pediatrics. Fellows' College. 2/2021.
7. Evaluation of the febrile child. Pediatric Emergency Medicine fellowship lecture series. Houston, TX (given remotely). 8/2020.
8. COVID-19 transmission dynamics, healthcare worker absenteeism, and school closures. Pediatric Emergency Medicine fellowship lecture series. Houston, TX (given remotely). 8/2020.
9. Tuberculosis for the non-ID provider: a survival guide. Pediatric residency lecture series. Houston, TX (given remotely). 4/2020.
10. Childhood tuberculosis. Texas Children's Hospital pediatric grand rounds. Houston, TX. 2/2020.
11. Evaluation of the febrile infant. Grand rounds. University of Texas, Austin School of Medicine. Austin, TX. 9/2019.
12. Evaluation of the febrile child. Resident lecture series. Texas Tech University School of Medicine. El Paso, TX. 4/2019.
13. An approach to the child with fever without localizing signs. Pediatric Emergency Medicine. Houston, TX. 8/2018.
14. Leprosy. Baylor Pediatric International Pediatric AIDS Initiative provider training course. Houston, TX. 7/2018.
15. Tuberculosis for the GI physician. Section of Gastroenterology and Nutrition, Baylor College of Medicine. Houston, TX. 6/2018.
16. Tuberculosis for the adolescent medicine physician. Section of Adolescent Medicine, Baylor College of Medicine. Houston, TX. 5/2018.
17. Tuberculosis case finding and active surveillance among the Wayuu population in La Guajira, Colombia. Global Health lecture series, Baylor College of Medicine. Houston, TX. 4/2018.
18. An approach to the child with fever without localizing signs. Pediatric Emergency Medicine. Houston, TX. 7/2017.
19. Epidemiology of childhood tuberculosis. National School of Tropical Medicine. Houston, TX. 7/2017.
20. Career development in academic medicine. Baylor College of Medicine Diversity Council. Houston, TX. 5/2017.
21. Evaluation of scoring systems to predict invasive bacterial infection in febrile infants. Pediatric Emergency Medicine. Houston, TX. 8/2016.
22. Evaluation of the febrile patient. Pediatric Emergency Medicine. Houston, TX. 7/2016.
23. Infected dog bites. Department of Surgery Morbidity and Mortality Conference. Houston, TX. 7/2016.
24. Infections in returned travelers. Pediatric Emergency Medicine. Houston, TX. 5/2016.
25. Complications associated with the BCG vaccine. Pediatric Diagnostic Rounds, Texas Children's Hospital. 4/2016.
26. Childhood tuberculosis. Pediatric Infectious Disease core lecture series for fellows. Houston, TX. 3/2016.

27. Updates on childhood tuberculosis. Harris County Health Department and Refugee Program's World Tuberculosis Day. Houston, TX. 3/2016.
28. Antibiotic stewardship on the inpatient service. Pediatric Hospitalist Medicine. Houston, TX. 11/2015.
29. Application of evidence-based medicine. Texas Children's Hospital Evidence-based Medicine Course. 11/2015.
30. Navigating rocky research waters. Pediatric Emergency Medicine. Houston, TX. 9/2015.
31. Genotypic and demographic risk factors for extrathoracic tuberculosis. The Methodist Hospital Research Institute. 9/2015.
32. Evaluation of the febrile child. Pediatric Emergency Medicine. Houston, TX. 8/2015.
33. Writing case reports. Pediatric Emergency Medicine. Houston, TX. 5/2015.
34. An introduction to childhood tuberculosis. Pediatric residency didactic lecture series. Houston, TX. 1/2015.
35. Tuberculosis for the emergency medicine provider. Pediatric Emergency Medicine. Houston, TX. 10/2014.
36. Mathematical modeling of childhood tuberculosis cases. The Methodist Hospital Research Institute. Houston, TX. 7/2014.
37. The institutional review board. Section of Pediatric Hospitalist Medicine, Texas Children's Hospital. 7/2014.
38. Pediatric tuberculosis. National School of Tropical Medicine. Houston, TX. 7/2014.
39. Evaluation of the febrile infant and child. Pediatric Emergency Medicine. 7/2014.
40. Unanswered questions in pediatric tuberculosis. Global Health Roundtable. Texas Children's Hospital. 1/2014.
41. Infectious considerations in sports medicine. Methodist Hospital Sports Medicine Institute. 1/2014.
42. Tuberculosis epidemiology. University of Texas School of Public Health. 11/2013.
43. Radiographic findings in childhood tuberculosis. Department of Pediatric Radiology, Texas Children's Hospital. 9/2013.
44. Evaluation of the febrile child. Pediatric Emergency Medicine. 8/2013.
45. Career development workshop. Pediatric Emergency Medicine. 7/2013.
46. Adolescent tuberculosis. Section of Adolescent Medicine, Department of Pediatrics, Baylor College of Medicine. 6/2013.
47. Abstract preparation. Section of Hospitalist Medicine, Department of Pediatrics, Baylor College of Medicine. 6/2013.
48. Teaching in the clinical and nonclinical settings: providing effective teaching to different levels of learners. University of Texas at Houston. 2/2013.
49. Tuberculosis meningitis. Pediatric Critical Care Section lecture series. 10/2012.
50. Epidemiology of Tuberculosis. University of Texas at Houston School of Public Health. 10/2012.
51. Utilization of interferon gamma release assays in children. Invited lecture to Legacy Community Health Centers, Houston, TX. 9/2012.
52. Introduction to the scholarly project. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 8/2012.
53. Antibiotic management in 2012. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 8/2012.
54. Introduction to travel medicine. Baylor medical student lunchtime lecture series. 5/2012.
55. Navigating the Institutional Review Board. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 4/2012.

56. Ethics and consent in emergency department research. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 3/2012.
57. Antibiotic utilization in the emergency department. University of Texas at Houston emergency medicine core lecture series. 2/2012.
58. Manuscript preparation workshop. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 2/2012.
59. Relative risk and number needed to treat. Pediatric Emergency Medicine Journal Club. 2/2012.
60. Tuberculous meningitis. Pediatric Emergency Medicine / Generalists in Emergency Medicine case series. 1/2012.
61. Abstract writing workshop. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 10/2011.
62. Predictors of respiratory failure among previously healthy infants with respiratory syncytial virus. Pediatric Emergency Medicine Journal Club. 10/2011.
63. Updates on tuberculosis diagnosis. Infectious Disease Section research series. Texas Children's Hospital. 9/2011.
64. Hemolytic uremic syndrome. Pediatric Hospitalist Medicine lecture series. 9/2011.
65. Pediatric tuberculosis. Core lecture series, pediatric residents. Texas Children's Hospital. 8/2011.
66. Statistical process charts. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 8/2011.
67. Septic shock management. Pediatric oncology clinic, Texas Children's Hospital. 8/2011.
68. Introduction to the scholarly project. Core fellowship lecture series, Pediatric Emergency Medicine Section, Texas Children's Hospital. 8/2011.
69. Fever evaluation and empiric antibiotics. Pediatric Emergency Medicine and Hospitalist Medicine lecture series. 7/2011.
70. Workshop: planning career development. Pediatric emergency medicine fellowship orientation. Houston, TX. 7/2011.
71. Approaches to the febrile child. Physician Assistant Training Program, Baylor College of Medicine. 6/2011.
72. Co-moderator, Grant writing workshop. Pediatric Emergency Medicine. Texas Children's Hospital. 3/2011.
73. Travel Medicine. Core lecture series, pediatric residents. Texas Children's Hospital. 1/2011.
74. Presentation skills. Core fellowship lecture series, Pediatric Emergency Medicine Section, Texas Children's Hospital. 1/2011.
75. Nontuberculous Mycobacterial Disease. Core lecture series, Pediatric Infectious Disease Section, Texas Children's Hospital. 11/2010.
76. Tuberculosis: a global perspective. University of Texas-Houston School of Public Health. 10/2010.
77. Preparation of a scientific abstract. Section of Emergency Medicine, Texas Children's Hospital. 10/2010.
78. Use of interferon gamma release assays for the diagnosis of tuberculosis. Section of Retrovirology, Texas Children's Hospital. 8/2010.
79. Tuberculosis in adolescents. Core lecture series, Adolescent Medicine Section, Texas Children's Hospital. 7/2010.
80. Pleural tuberculosis. Pulmonary and pathology sections clinical pathology series. 5/2010.
81. Introduction to the institutional review board. Pediatric emergency medicine didactic research series. 4/2010.
82. Infections in returned travelers. Pediatric housestaff didactic conference series, Texas Children's Hospital. 3/2010.

83. The diagnosis of childhood tuberculosis. Pediatric emergency medicine didactic series for residents. Ben Taub Hospital. 2/2010.
84. Sepsis in the hematology-oncology patient. Texas Children's Hospital. 2/2010.
85. Introduction to clinical tuberculosis. University of Texas-Houston School of Public Health. 2/2010.
86. Updates on childhood tuberculosis. City of Houston Health Department. 2/2010.
87. Evidence-based sepsis protocol. Texas Children's Hospital Emergency Department Nursing State of the Unit. 1/2010.
88. An introduction to childhood tuberculosis. Texas Children's Hospital, Pediatric housestaff didactic conference series, Texas Children's Hospital. 12/2009.
89. Global perspectives on childhood tuberculosis. University of Texas-Houston School of Public Health. 11/2009.
90. Infections not endemic to Texas. Texas Children's Hospital Emergency Medicine Section. 10/2009.
91. Diagnosis of tuberculosis in the child with underlying pulmonary disease. Texas Children's Hospital Pulmonary Section conference. 10/2009.
92. Introduction to the institutional review board. Texas Children's Hospital Academic Associate's Program. 9/2009.
93. Tension pneumothorax in miliary tuberculosis. Critical Care Medicine morbidity and mortality conference. 8/2009.
94. An introduction to research during pediatric emergency medicine fellowship. Texas Children's Hospital Emergency Medicine Section. 8/2009.
95. Updates on the diagnosis and treatment of childhood tuberculosis. Texas Children's Hospital Grand Rounds. 6/2009.
96. Infection control in the emergency department. Texas Children's Hospital Emergency Medicine Section. 4/2009.
97. Drug-resistant tuberculosis in Texas children. Baylor College of Medicine, Infectious Disease Section Research Conference. 4/2009.
98. Infection control in ambulatory settings. Houston Fire Department. 4/2009.
99. Introduction to the institutional review board. Texas Children's Hospital Academic Associate's Program. 2/2009.
100. Intestinal tuberculosis. City-Wide Infectious Disease Conference. Houston, TX. 1/2009.
101. Predictors of Gram-negative sepsis in the febrile neutropenic patient. Infectious Disease Journal Club. 8/2008.
102. Cerebral tuberculomas in a child with long-standing hemiparesis. Infectious disease fellows' case conference, Texas Children's Hospital. 7/2008.
103. Evaluation of pediatric abdominal pain. Ben Taub General Hospital. 6/2008.
104. Introduction to drug-resistant tuberculosis. University of Texas at Brownsville. 5/2008.
105. Epidemiology of and risk factors for drug-resistant tuberculosis in Texas children. University of Texas-Houston School of Public Health. 4/2008.
106. Radiographic findings in pleural and peritoneal tuberculosis. Texas Children's Hospital Radiology Case Conference. 4/2008.
107. Nosocomial transmission of methicillin-resistant *Staphylococcus aureus*. University of Texas-Houston School of Public Health. 3/2008.
108. Introduction to the Institutional Review Board. Pediatric Emergency Medicine Lecture. Texas Children's Hospital. Houston, TX. 3/2008.



109. Herpes simplex virus neonatal keratitis. Pediatric Emergency Medicine Morbidity and Mortality Conference. Texas Children's Hospital. Houston, TX. 1/2008.
110. Differential diagnosis of fasciculations. Pediatric Emergency Medicine Morbidity and Mortality Conference. Texas Children's Hospital. Houston, TX. 1/2008.
111. Recurrent *Mycobacterium avium* complex infection. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 11/2007.
112. *Toxocara canis* causing eosinophilic ascites in an adolescent. City-Wide Infectious Disease Conference. Houston, TX. 9/2007.
113. Antibiotic management of pneumonia in the inpatient and outpatient settings. Pediatric Emergency Medicine Journal Club. Texas Children's Hospital. Houston, TX. 9/2007.
114. New antimicrobial agents: anidulafungin, micafungin, and tigecycline. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 8/2007.
115. Risk factors for the development of coronary artery aneurysms in children with Kawasaki disease. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 4/2007.
116. Statistical tools and screening modalities. Pediatric Emergency Medicine Lecture. Texas Children's Hospital. Houston, TX. 4/2007.
117. Antibiotic Utilization in the Emergency Department. Ben Taub General Hospital. Houston, TX. 3/2007.
118. Meningococcal meningitis. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 1/2007.
119. Rabies. Texas Children's Hospital Emergency Medicine Conference. Houston, TX. 12/2006.
120. *Mycobacterium simiae* in an immunocompetent host. City-Wide Infectious Disease Conference. Houston, TX. 10/2006.
121. Avian Influenza. Pediatric Emergency Medicine Fellow's Lecture. Texas Children's Hospital. Houston, TX. 10/2006.
122. Pediatric advanced life support instructor (multiple topics), 9/2006-present.
123. Kikuchi-Fujimoto Syndrome. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 8/2006.
124. Pediatric tuberculosis. Respiratory therapy section, Texas Children's Hospital. Houston, TX. 8/2006.
125. An outbreak of *Kingella kingae* osteomyelitis in a daycare center. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 7/2006.
126. Rabies. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 5/2006.
127. Upper Extremity Trauma. Trauma Lecture Series. Baylor College of Medicine. 5/2006.
128. Characteristics of tuberculosis meningitis in HIV infected and uninfected children. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 1/2006.
129. Acute HIV infection in a 16-year-old male with disseminated lymphadenopathy. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 12/2005.
130. Reactivation tuberculosis causing mediastinal adenopathy and fever in a child with sickle cell disease. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 11/2005.

131. Risk-stratifying febrile neutropenic pediatric oncology patients. Pediatric Emergency Medicine Journal Club. Texas Children's Hospital. Houston, TX. 9/2005.
132. The role of enteroviral disease in febrile neonates < 3 months old. Pediatric Emergency Medicine Journal Club. Texas Children's Hospital. Houston, TX. 9/2005.
133. An Approach to Bloody Diarrhea. Pediatric Emergency Medicine Fellow's Lecture. Texas Children's Hospital. Houston, TX. 8/2005.
134. Role of sexual behavior in the acquisition of Epstein - Barr virus Infection. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 8/2005.
135. Acute rheumatic fever in a child with migratory arthritis. City-Wide Infectious Diseases Case Conference. Houston, TX. 5/2005.
136. Methicillin-susceptible *Staphylococcus aureus* spinal osteomyelitis and spinal epidural abscess in a 17-year-old male with chronic back pain and weight loss. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 5/2005.
137. Epidemiology and clinical impact of dual respiratory viral infections in pediatric patients. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 5/2005.
138. Dental Emergencies. Ben Taub General Hospital. Houston, TX. 5/2005.
139. Visceral larval migrans in a 2-year-old male with fever, hepatosplenomegaly, eosinophilia, and pica. City-Wide Infectious Diseases Case Conference. Houston, TX. 1/2005.
140. *Candida albicans* suppurative thrombophlebitis in a neonate. Pediatric Infectious Diseases Fellows' Case Conference. Baylor College of Medicine. Houston, TX. 1/2005.
141. *M. tuberculosis* pericarditis in a 14-year-old Latino. City-Wide Infectious Diseases Case Conference. Houston, TX. 1/2005.
142. Cytomegalovirus disease in immunocompromised hosts. Pediatric Infectious Diseases Journal Club. Baylor College of Medicine. Houston, TX. 9/2004.
143. The neonatal physical examination. Ben Taub General Hospital. Houston, TX. 2/2004.
144. Evaluation of the jaundiced neonate. Ben Taub General Hospital. Houston, TX. 1/2004.
145. Congenital infections in the neonate. Ben Taub General Hospital. Houston, TX. 1/2004.
146. Evaluation of the child with fever without source. Ben Taub General Hospital. Houston, TX. 8/2003.
147. Differential diagnosis of lymphadenitis. Ben Taub General Hospital. Houston, TX. 8/2003.

#### **E. Visiting professorships:**

1. Brown University, Providence, RI. 9/2023.
  - a. Evaluation of the febrile infant
  - b. Multicenter research
  - c. Increasing academic productivity
2. University of Pittsburgh Medical Center, Pittsburgh, PA. 11/2017.
  - a. The diagnosis of childhood tuberculosis. Department of Pediatrics Grand Rounds.
  - b. Increasing academic productivity in emergency medicine. Division of pediatric emergency medicine.
  - c. New approaches to the febrile young infant. Division of pediatric emergency medicine.

3. Vanderbilt University School of Medicine, Nashville, TN. 10/2015.
  - a. Addressing gaps in the diagnosis and treatment of pediatric tuberculosis. Division of Infectious Diseases.
4. University of California-Davis School of Medicine, Sacramento, CA. 1/2015.
  - a. The emerging Ebola threat. Department of Emergency Medicine.
  - b. Enterovirus D68 infections. Department of Emergency Medicine.
  - c. The diagnosis of childhood tuberculosis. Department of Pediatrics Grand Rounds.

#### **IV. PATIENT CARE AND CLINICAL CONTRIBUTIONS**

##### **A. Patient care responsibilities:**

1. Sections or specialties:
  - a. Pediatric Emergency Medicine
    - i. Texas Children's Hospital Emergency Center. 2004-present.
      1. Team leader, hurricane ride-out. 2012-present.
    - ii. St. Luke's Episcopal Hospital – The Woodlands, Emergency Center. 2009-2017.
    - iii. St. Luke's Episcopal Hospital – Sugarland, Emergency Center. 2009-2012.
    - iv. Texas Children's Hospital West Campus Emergency Center. 2011-present
    - v. Ben Taub Pediatric Emergency Center. 2006-2011.
  - b. Pediatric Infectious Disease
    - i. Texas Children's Hospital Tuberculosis Clinic. 2011-present.
    - ii. Ben Taub Pediatric Tuberculosis Clinic. 2006-2011.
2. Clinical service:
  - a. Pediatric emergency medicine, 25% clinical time
  - b. Pediatric infectious diseases, 25% clinical time

##### **B. National education or voluntary health organization participation:**

1. Pediatric Academic Society, abstract reviewer. 2016-present.
2. American Academy of Pediatrics, abstract reviewer. 2015-present.
3. International Union against Tuberculosis and Lung Disease, abstract reviewer. 2/2014-present.
4. Medical volunteer, pediatric clinic at the Houston Astrodome following Hurricane Katrina. 9/2005.
5. Medical volunteer, Houston Marathon. 2003-2008.

##### **C. Contributions, initiatives, or recognition related to patient safety and healthcare quality:**

1. Clinical pathways for the evaluation and management of septic arthritis, Texas Children's Hospital. 2018-present.
2. Clinical pathways for the evaluation and management of acute hematogenous osteomyelitis, Texas Children's Hospital. 2018-present.
3. Clinical pathways for the evaluation and management of the febrile infant, Texas Children's Hospital. 2017-present.
4. Antimicrobial stewardship committee, Texas Children's Hospital. 2015-2019.
5. Clinical pathways for the prevention of central line-associated bloodstream infections, Texas Children's Hospital. 2012-present.
6. Clinical pathways for children with suspected acute bacterial meningitis, Texas Children's Hospital. 2010-present.

7. Clinical pathways for children with suspected acute hematogenous osteomyelitis, Texas Children's Hospital. 2010-present.
8. Clinical pathways for children with animal bites, Texas Children's Hospital. 2010-present.
9. Algorithm for the recognition and treatment of the child in septic shock, Texas Children's Hospital. 2009-present.
10. Clinical pathways for children with fever and neutropenia, Texas Children's Hospital. 2008-present.
11. Clinical pathways for the treatment of urinary tract infections, Texas Children's Hospital. 2007-present.

**D. Contributions to Health and Science Policy:**

1. Texas Health and Human Services Commission, Texas Department of State Health Services. Texas Health Steps online provider education – guidelines for tuberculosis screening, testing, and treatment. 2019.
2. Centers for Disease Control and Prevention Advisory Committee on the use of interferon gamma release assays in children. 2018.

**V. SERVICE CONTRIBUTIONS**

**A. Administrative assignments and committees**

1. Department or Center Administration:
  - a. Scholarship oversight committee advisory group, Section of Cardiology, Department of Pediatrics. 2019-present.
  - b. Diversity Council, Department of Pediatrics. 2014-present.
  - c. Clinical Competency Evaluation Committee, Pediatric Emergency Medicine Section, Texas Children's Hospital. 2013-present.
  - d. Abstract review for Fellows' Day, Department of Pediatrics, Baylor College of Medicine. 2011-present.
  - e. Program Evaluation Committee, Pediatric Emergency Medicine Section, Texas Children's Hospital. 2010-present.
  - f. Directors' Committee, Pediatric Emergency Medicine Section, Texas Children's Hospital. 2009-present.
  - g. Algorithm for the recognition and treatment of the child in septic shock, Texas Children's Hospital. 2009-present.
  - h. Evidence-based medicine course, Texas Children's Hospital. 2006-present.
  - i. Infection control committee, Texas Children's Hospital. 2005-2015.
  - j. Curriculum committee, Baylor College of Medicine pediatric residency program. 2002-2004.
  - k. Cardiopulmonary resuscitation committee, Texas Children's Hospital. 2002-2004.
2. Institution-wide or School Administration:
  - a. Latinx mentoring, Latino Medical Student Association, Baylor College of Medicine. 2020-present.
  - b. Pandemic triage team, Texas Children's Hospital. 2020-present.

**B. National, regional, or local participation in professional or voluntary organization:**

- a. Children at Risk: 2010-2015

**C. Other pertinent information**

1. Life support credentialing:
  - a. Advanced Trauma Life Support provider. 2006-present.
  - b. Pediatric Advanced Life Support instructor. 2006-2009.
  - c. Advanced Cardiac Life Support provider. 2004-present.
  - d. Pediatric Advanced Life Support provider. 2001-present.
2. Collaborative Institutional Training Initiative (CITI) certifications:

- a. Biomedical refresher 101: expires 9/11/2025 (ID 50619707)
  - b. Biomedical research basic/refresher: expires 3/20/2026 (ID 54952291)
  - c. Health Information Privacy and Security: expires 12/2/2025 (ID 53025810)
  - d. GCP (international/ICH focus): expires 12/4/2025 (ID 49619502)
  - e. GCP (clinical investigations of devices): expires 3/20/2026 (ID 50962484)
  - f. GCP (US FDA focus): expires 3/30/2026 (ID 54952292)
  - g. Joint appointments memorandum of understanding (MOU) training: completed 11/27/19, no expiration (ID 34383129)
  - h. Research conflict of interest: expires 5/15/28 (ID 61796789)
  - i. RCR course for principal investigators: expires 9/11/27 (ID 57868702)
3. Fluent in written and spoken Spanish

*Updated 8/7/2024*