**CURRICULUM VITAE**

**Rakesh D. Mistry, MD, MS**

**Version Date:** 08/01/2023

**Proposed for:** Appointment to Professor, Department of Pediatrics, Section of Emergency Medicine, Clinician-Educator Scholar Track

**Term:** Continuing appointment beginning 08/01/2023

**School:** Yale School of Medicine

**Education**

08/1990-05/1994 BA Rutgers College, Rutgers University (Biology)

08/1994-05/1998 MD UMDNJ-Robert Wood Johnson Medical School

09/2003-05/2005 MS Medical College of Wisconsin (Epidemiology)

06/2021-08/2023 Cert. University of Colorado School of Medicine (Dissemination and

Implementation Certificate Program)

**Career/Academic Appointments**

07/1998-06/2001 Resident in Pediatrics, St. Christopher’s Hospital for Children, Philadelphia, PA

07/2001-06/2002 Attending Physician, Department of Emergency Medicine, St. Christopher’s Hospital for Children, Philadelphia, PA

07/2002-06/2005 Attending Physician, Section of Pediatric Emergency Medicine, Children’s Hospital of Wisconsin, Milwaukee, Wisconsin

07/2002-06/2005 Fellowship, Pediatric Emergency Medicine, Children’s Hospital of Wisconsin, Milwaukee, WI

07/2001-06/2002 Clinical Instructor, Department of Pediatrics, MCP-Hahnemann University School of Medicine

07/2002-06/2005 Instructor in Pediatrics, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, Wisconsin

07/2005-06/2013 Attending Physician, Division of Emergency Medicine, The Children’s Hospital of Philadelphia, Philadelphia, PA

07/2005-06/2013 Assistant Professor of Pediatrics, Department of Pediatrics, University of Pennsylvania School of Medicine

07/2013-06/2019 Associate Professor of Pediatrics and Emergency Medicine, Department of Pediatrics, Department of Emergency Medicine, University of Colorado School of Medicine

07/2013-07/2023 Attending Physician, Director of Academic Affairs, Director of Research, Section of Pediatric Emergency Medicine, Children’s Hospital of Colorado

07/2019-07/2023 Professor of Pediatrics and Emergency Medicine, Department of Pediatrics, Department of Emergency Medicine, University of Colorado School of Medicine

**Board Certifications**

2001-present American Board of Pediatrics, General Pediatrics, Diplomate, Certified 2002

2006-present American Board of Pediatrics, Pediatric Emergency Medicine, Diplomate, Certified 2006

**Professional Honors and Recognition**

**International/National/Regional**

2001 David Smith Housestaff Teaching Award, St. Christopher’s Hospital for Children, Philadelphia, PA

2004 Best Case Presentation in Pediatric Emergency Medicine, American Academy of Pediatrics, San Francisco, CA

2004-2008 National Institutes of Health Loan Repayment Program Award Recipient

2006-2007 Jean Cortner Division Teaching Award

2008 Outstanding Reviewer, *Pharmacoepidemiology & Drug Safety*

2008-2013 CHOP Faculty Teaching Honor Roll

2015 Top Peer Reviewer, *Annals of Emergency Medicine*

2019 CHCO Provider of the Month, June 2019

2019 University of Colorado School of Medicine Professionalism Award Nominee

**Professional Service**

***Peer Review Groups/Grant Study Sections***

2015-present Ken Graff Award Selection Committee and Reviewer American Academy of Pediatrics Section on Emergency Medicine

2016 CCTSI CO-Pilot Grant Review Committee

2017-2023 Co-Chair, Elevate Courage Classic Grant Award Program

CHCO Section of Emergency Medicine

2021-2022 CHCO Research Scholars Award Review Committee

***Journals***

Editorial Positions for Peer Reviewed Journals

*Pediatric Emergency Care*, Editorial Board

*Academic Pediatrics,* Editorial Board (2018-2022)

*Academic Emergency Medicine, Proceedings of the SAEM Consensus Conference on Pediatric Emergency Medicine,* Guest Editor and Decision Editor

*Reviewer*

*Archive of Diseases in Childhood,* Ad hoc peer-reviewer

*Academic Emergency Medicine*, Ad hoc peer-reviewer

*Academic Pediatrics,* Ad hoc peer-reviewer

*Annals of Emergency Medicine*, Ad hoc peer-reviewer

*Applied Clinical Informatics,* Ad hoc peer-reviewer

*BMC Emergency Medicine,* Ad hoc peer-reviewer

*Clinical Infectious Diseases,* Ad hoc peer-reviewer

*European Journal of Emergency Medicine*, Ad hoc peer-reviewer

*Epidemiology and Infection,* Ad hoc peer-reviewer

*Journal of the American Medical Association*, Ad hoc peer-reviewer

*Journal of Emergency Medicine,* Ad hoc peer-reviewer

*Journal of Hospital Medicine,* Ad hoc peer-reviewer

*Journal of Pediatrics,* Ad hoc peer-reviewer

*Journal of the Pediatric Infectious Disease Society,* Ad hoc peer-reviewer

*Health Policy*, Ad hoc peer-reviewer

*New England Journal of Medicine,* Ad hoc peer-reviewer

*Pediatrics,* Ad hoc peer-reviewer

*Pediatric Emergency Care*, Ad-hoc peer-reviewer

*Pediatric Infectious Disease Journal,* Ad hoc peer-reviewer

*Pharmacoepidemiology and Drug Safety*, Ad hoc peer-reviewer

***Professional Organizations***

American Academy of Pediatrics Section on Emergency Medicine

2002-Present Fellow

Pediatric Emergency Medicine Collaborative Research Committee

2005-Present *Chair (2018-2022) and Steering Committee Member (2012-Pres.)*

2002-Present Member, Ambulatory Pediatric Association, Section of Emergency Medicine

Society of Academic Emergency Medicine

2009-Present *Past Chair, Pediatric EM Interest Group (2012-2015)*

Society for Pediatric Research (elected)

2010-2011 Member

Colorado Clinical and Translation Science Institute (CCTSI)

2015-Present Member

Pediatric Emergency Research Networks

2016-2022 *Steering Committee Member*

***University/Hospital System***

St. Christopher’s Hospital for Children

*Department of Emergency Medicine*

1998-2002 Resident Education Subcommittee

*Hospital*

1999-2001 Graduate Medical Education Committee

Children’s Hospital of Wisconsin

*Section of Emergency Medicine*

2004-05 PEM Fellow Selection Committee

2004-05 Emergency Medicine Residency Selection Committee

*Hospital*

2002-04 Trauma Peer Review Committee

Children’s Hospital of Philadelphia

*Division of Emergency Medicine*

2005-10 Division of Emergency Medicine Faculty Interview Committee

2005-2013 Division of Emergency Medicine Fellowship Selection Committee

2005-2013 Division of Emergency Medicine Education Committee

2007-2013 Division of Emergency Medicine Billing/Compliance Task Force

2011-2013 Division of Emergency Medicine Scientific Review Committee

*Hospital*

2006-2013 Health Information Management Committee

2010-2013 *Faculty Mentor* and Member of Clinical Competency Committee Pediatric Residency Program

2010-2013 Core Faculty, CHOP Pediatric Residency Program

2010-2011 CHOP Anaphylaxis Prevention Workgroup

2010-2013 CHOP Catheter-Associated Urinary Tract Infection Prevention Committee

Children’s Hospital Colorado

*Section of Emergency Medicine*

2013-2017 PEM Executive Council (dissolved)

2013-2015 Enhancing the Epic Experience (E3) Committee

2013-2023 PEM Fellowship Selection Committee

2013-2023 Core Faculty, CHCO PEM Fellowship

2021-2023 Co-Chair, Research Implementation Committee

*Hospital*

2013-2023 Antimicrobial Stewardship Committee

2013-2023 CHCO Musculoskeletal Clinical Pathway Committee

2016-2023 *Clinical Champion*, CHCO Urinary Tract Infection Clinical Pathway Committee

2016-2018 CHCO Febrile Infant Clinical Pathway Committee

2017-2020 Children’s Research Institute Contracting Oversight Committee

2019-2020 Chair, Emergency Services Coordinating Council

CU School of Medicine and CCTSI

2015-2023 CCTSI CO-Pilot Grant Review Committee

2016-2023 CCTSI Institute K to R Program Reviewer

2016-2023 CCTSI Pre-K Review Program Reviewer

2021-2023 Clinical Research Director, Department of Pediatrics

Yale University School of Medicine/Yale-New Haven Hospital

*School of Medicine*

2023-Pres. Reviewer, Mock Study Section, Office of Physician Scientist and Scientist Development

*School of Public Health*

2023-Pres. Affiliated Faculty, Yale Institute for Global Health

2023-Pres. Antimicrobial Resistance Network

**Invited Speaking Engagements and Lectures:**

***International/National***

1. October 10, 2004 “*I Can’t Believe My Eyes”* Emergi-Quiz Presentation, American Academy of Pediatrics, San Francisco, CA.
2. May 22, 2004 *Visual Diagnosis: Vitamin D Deficient Rickets,* Society for Academic Emergency Medicine, Orlando, FL.
3. Nov. 2, 2005 *Resuscitation Workshop.* 23rd Annual Intensive Course in Pediatric Emergency Medicine, Philadelphia, PA.
4. Nov 4, 2006 *Community-Associated Methicillin Resistant Staphyloccous aureus*. 24th Annual Intensive Course in Pediatric Emergency Medicine, Philadelphia, PA.
5. February 24, 2007 *Why am I Here: A User’s Guide to the PEM Fellows Conference*. 2007 National Pediatric Emergency Medicine Fellows Conference, Miami, FL.
6. April 15-19, 2007 Seminar in Pediatric Emergency Medicine. Series of five lectures and daily workshops. American Austrian Foundation, Salzburg, Austria.
7. Nov 7, 2007 *Board Review Cases* and *Resuscitation Workshop.* 25th Annual Intensive Course in Pediatric Emergency Medicine, Phila, PA.
8. Nov 4, 2008 *Community-Associated Methicillin Resistant Staphylococcus aureus*. 26th Annual Intensive Course in Pediatric Emergency Medicine, Philadelphia, PA.
9. February 12, 2009 *Pediatric Emergency Medicine at Universal Orlando Resort,* Orlando, FL.
10. June 13-14, 2009 *PREP® the Course: Emergency Medicine, Toxicology, and Critical Care.* Sponsored by the American Academy of Pediatrics, Cincinnati, OH.
11. Mar 12-13, 2010 *PREP® the Course: Emergency Medicine, Toxicology, and Critical Care.* Sponsored by the American Academy of Pediatrics. Austin, TX.
12. May 7, 2010 *Emergency Department Visual Diagnosis.* 11th Annual Advanced Practice Nurse Conference. Philadelphia, PA.
13. June 4, 2011 *Where is the Evidence? Current Evidence and Future Progression of Common Pediatric Emergency Conditions.* Society for Academic Emergency Medicine Didactic Session. Boston, MA.
14. June 4, 2011 *Collaboration and Education: Defining the Future of Pediatric Care in Emergency Medicine*. Society of Academic Emergency Medicine Didactic Session. Boston, MA.
15. Nov 2, 2011 *Infectious Disease Workshop.* 27th Annual Intensive Course in Pediatric Emergency Medicine, Philadelphia, PA.
16. Mar 12-15, 2012 *Pediatric Emergence Medicine: Detection, Diagnosis, and Developing Treatment Plans*. American Medical Seminars, Temple University CME, Sarasota, FL.
* Febrile Infants and Young Children
* Evidence Based Approach to CA-MRSA
* Pediatric Urinary Tract Infections
* Pediatric Abdominal Emergencies
* Acute Gastroenteritis and Dehydration
* Aspirated and Ingested Foreign Bodies
1. May 11, 2012 *Pediatric Emergency Care: Knowledge in Translation*. Society of Academic Emergency Medicine Didactic Session. Chicago, IL.
2. May 12, 2012 *Where is the Evidence II: Evidence-Based Approach to Pediatric Abdominal Emergencies*. Society for Academic Emergency Medicine Didactic Session. Chicago, IL
3. June 29, 2012 *Evidence-Based Approach to the Febrile Young Child* and *Evidence-Based Management of Skin and Soft Tissue Infections.* 14th Annual International Conference on Emergency Medicine, Dublin, Ireland
4. Nov 9, 2013 *Community-Associated Methicillin Resistant Staphyloccous aureus: An Evidence-Based Update*. 28th Annual Intensive Course in Pediatric Emergency Medicine, Philadelphia, PA
5. April 1-5 2013 *Pediatric Emergency Medicine: Detection, Diagnosis, and Developing Treatment Plans*. American Medical Seminars, Temple University CME, Sarasota, FL.
* Febrile Infants and Young Children
* Evidence Based Approach to CA-MRSA
* Pediatric Urinary Tract Infections
* Pediatric Abdominal Emergencies
* Acute Gastroenteritis and Dehydration
* Aspirated and Ingested Foreign Bodies
1. May 16, 2013 *The Great Pediatric Sedation Debate*. Society for Academic Emergency Medicine Didactic Session. Atlanta, GA.
2. May 17, 2013 *Where is the Evidence III: Evidence-Based Approach to Common Pediatric Infectious Diseases*. Society for Academic Emergency Medicine Didactic Session. Atlanta, GA
3. May 14, 2014 *Where is the Evidence IV: Evidence-Based Approach to the ABC’s of Pediatric Respiratory Disease to Common.* Society for Academic Emergency Medicine Didactic Session. Dallas, TX
4. Oct 26, 2014 *Antibiotic Stewardship in Pediatric Emergency Medicine.* American College of Emergency Physicians Scientific Assembly. Chicago, IL
5. Feb 16-19, 2016 *Pediatric Emergency Medicine: Detection, Diagnosis, and Developing Treatment Plans*. American Medical Seminars, Temple University CME, Sarasota, FL.
* Febrile Infants and Young Children
* Evidence Based Approach to CA-MRSA
* Pediatric Urinary Tract Infections
* Pediatric Abdominal Emergencies
* Acute Gastroenteritis and Dehydration
* Aspirated and Ingested Foreign Bodies
1. Feb 28, 2016 *Basics of Conducting Effective Survey Research.* 2016 National Pediatric Emergency Medicine National Fellows Conference, Ann Arbor, MI
2. Feb 29, 2016 *Pay it Forward: Mentorship in Pediatric Emergency Medicine.* 2016 National Pediatric Emergency Medicine National Fellows Conference, Ann Arbor, MI
3. Sep 29, 2017 *Emergency Department-Based Antimicrobial Stewardship.*

Rebecca Jayne Memorial Lectureship and Grand Rounds. Children’s Hospital of Wisconsin, Milwaukee, WI.

1. Nov 7th, 2017 *Current Approach to the Febrile Infant.* American College of Osteopathic Emergency Physicians Scientific Assembly. Denver, CO.
2. March 1, 2018 *Emergency Department-Based Antimicrobial Stewardship*. Seattle Children’s Hospital Grand Rounds and Visiting Professorship. Seattle Children’s Hospital, Seattle, WA.
3. May 17, 2018 *Antibiotic Stewardship: A New Frontier for Emergency Department Quality Improvement.* Society for Academic Emergency Medicine Didactic Session, Indianapolis, IN
4. Feb 15, 2018 *Emergency Department-Based Antimicrobial Stewardship*. Dell Children’s Hospital Grand Rounds. Dell Children’s Hospital, Austin, TX
5. October 4, 2019 *Implementation of Emergency Department-Based Antimicrobial Stewardship*. Children’s Hospital Colorado Grand Rounds, Dept. of Pediatrics. Children’s Hospital Colorado, Aurora CO
6. Feb 16, 2020 *Pay it Forward: Mentorship in Pediatric Emergency Medicine.* 2020 National Pediatric Emergency Medicine National Fellows Conference, Denver, CO)
7. May 5, 2022 *Implementation of Emergency Department-Based Antimicrobial Stewardship*. University of Chicago Department of Pediatrics Grand Rounds, Comer Children’s Hospital. Virtual Presentation.

***Regional***

1. October 2004 *Toxicologic Emergencies.* 3rd Annual Pediatric Emergency Medicine: Challenges and Controversies, Wisconsin Dells, WI.
2. March 21, 2006 *Fever in Infants and Young Children*. Emergency Medicine Grand Rounds, Cooper University Hospital, Camden, NJ.
3. Sep 18, 2007 *Upper Extremity Fractures in Children*. Pediatric and Emergency Medicine Grand Rounds, York Hospital, York, PA.
4. Dec 5, 2007 *Visual Diagnosis*. Emergency Medicine Grand Rounds, St. Joseph’s Regional Medical Center, Paterson, NJ.
5. March 5, 2008 *Community-Associated MRSA*. PEM Divisional Conference, St. Christopher’s Hospital for Children, Philadelphia, PA.
6. March 13, 2008 *Fever in Infants and Young Children*. Emergency Medicine Grand Rounds, Cooper University Hospital, Camden, NJ.
7. March 18, 2008 *Community-Associated MRSA* and *Visual Diagnosis.* Pediatric and Emergency Medicine Grand Rounds, York Hospital, York, PA.
8. June 13, 2008 *Management of Fever in Infants and Young Children.* Grand Rounds Lecture. Newton Hospital, Newton, NJ.
9. January 20, 2009 *Aerodigestive Foreign Bodies.* Grand Rounds Lecture. Princeton University Hospital, Princeton, NJ.
10. Sep 3, 2009 *Fever in Infants and Young Children*. Emergency Medicine Grand Rounds, Cooper University Hospital, Camden, NJ.
11. October 24, 2009 *Community-Associated MRSA.* Pediatric Update.Virtua Hospital, Voorhees, NJ.
12. Dec 4, 2009 *Community-Associated MRSA.* Pediatric Grand Rounds. Princeton University Hospital, Princeton, NJ.
13. Dec 10, 2009 *Community-Associated MRSA.* Emergency Medicine Grand Rounds. Temple University Hospital, Philadelphia, PA.
14. April 21, 2010 *Perspectives on the Haitian Earthquake*. St Christopher’s Hospital for Children, Philadelphia, PA.
15. October 1, 2010 *Community-Associated MRSA* and *Medical Care in a Disaster Area: Haiti Earthquake*. 9th Annual Update in Acute Care and Emergency Pediatrics. Seiverville, TN
16. Nov 12, 2010 *Perspectives on the Haitian Earthquake*. 10th Annual John M. Templeton, Jr. Trauma Symposium, Philadelphia, PA.
17. Dec 1, 2010 *Update on Management of Fever in Pediatrics.* Grand Rounds. Hospital of the University of Pennsylvania, Department of Emergency Medicine.
18. Dec 8, 2010 Visiting Professorship. St Peters University Hospital. Department of Pediatrics. New Brunswick, NJ.
19. Dec 16, 2010 *Community-Associated MRSA.* Emergency Medicine Grand Rounds. Carilion Health Care, Roanoke, VA.
20. March 31, 2011 *Fever in Infants and Young Children*. Emergency Medicine Grand Rounds, Cooper University Hospital, Camden, NJ.
21. October 6, 2011 *Evidence-Based Update for Common Pediatric Emergencies*. Emergency Medicine Grand Rounds, Christiana, Wilmington, DE.
22. January 12, 2012 *Evidence-Based Approach to Community-Associated MRSA.* Emergency Medicine Grand Rounds. University of Wisconsin Hospital, Madison, WI
23. June 4-6, 2012 *Hypovolemia and Pediatric Shock* and *Management of Pediatric Diabetic Ketoacidosis.* Mount Desert Island/University of Pennsylvania Collaborative Conference on Sepsis and Shock. Bar Harbor, ME.
24. July 25, 2012 *Evidence-Based Approach to Community-Associated MRSA* and V*isual Diagnosis II*. Emergency Medicine Grand Rounds, St. Joseph’s Regional Medical Center, Paterson, NJ.
25. Aug 23, 2012 *Environmental Emergencies.* Pediatric Grand Rounds. Pottstown Memorial Hospital, Pottstown, PA.
26. Aug 11-12, 2014 Regional Fellow Bootcamp Instructor. St. Louis Children’s Hospital/Washington University. St. Louis, MO.
27. Oct 29, 2014 *Evidence-Based Update on CA-MRSA Infections.* Pediatric Grand Rounds. Denver Health Medical Center, Denver, CO
28. June 17, 2015 Pediatric Airway Seminar. Rocky Mountain Trauma & Emergency Medicine Conference, Vail, CO.
29. April 26, 2017 *The Ebb and Flow of Pediatric Urinary Tract Management*. Pediatric Grand Rounds. Kaiser Permanente, Denver, CO.
30. April 13, 2018 *The Ebb and Flow of Pediatric Urinary Tract Management*. Colorado Chapter, American Academy of Pediatrics, Aurora, CO.
31. March 3, 2018 *Management of the Febrile Young Child: Should We Fear Fever?* Urgent Pediatric Problems Conference, Seattle Children’s Hospital, Seattle WA
32. Nov. 15, 2021 *History and Infrastructure of the Pediatric Emergency Care Applied Research Network.* ACCORDS Learning Health Systems: Models & Methods for Embedded Research Seminar Series. Adult and Child Consortium for Health Outcomes Research and Delivery Science, University of Colorado, Aurora, CO.
33. Nov 29, 2021 *Implementation of Emergency Department-Based Antimicrobial Stewardship*. Pediatric Emergency Medicine Research Seminar. Yale-New Haven Children’s Hospital, New Haven, CT

**Grants and Clinical Trials**

***Current Grants***

NIH/National Heart, Lung, and Blood Institute

1 K23 HL161354-01

Novel Markers of Treatment Responsiveness for Pediatric Acute Asthma Exacerbations

Nidhya Navanandan (PI)

Effort: None (Role: Mentor)

9/01/2021-8/31/2026

Colorado Clinical and Translational Sciences Institute/Co-Pilot Program Award

Melisa Tanverdi, MD (PI)

Real-Time Electronic Monitoring of Rescue Inhaler Use Following Pediatric Emergency Department Visits for Acute Asthma Exacerbations

Effort: None (Role: Primary Mentor)

Total costs: $50,000

1/01/2022-12/31/2024

NIH/National Heart, Lung, and Blood Institute

R38 Stimulating Access to Research in Residency (StARR) Program

Isabel Hardee, MD, MPH (PI)

Effort: None (Role: Primary Mentor)

1/01/2023-12/31/2023

***Past Grants and Funding Support***

Washington University Institute of Clinical and Translational Sciences/TL-1 Post-Doctoral Program

PI: James Rudloff, MD

Design and Implementation of an Automated Antibiotic Stewardship Intervention for Skin and Soft Tissue Infections

Effort: None (Role: Mentor)

6/01/2022-5/31/2023

NIH/National Library of Medicine

1 R21 LM013909-01

Developing Clinical Decision Support Systems Adaptive to Clinicians' Fatigue (Cessation Fatigue)

Mustafa Ozkaynak, PhD (PI)

Effort: 5%

9/01/2021-08/31/2023

NIH/National Institutes of Neurologic Diseases and Stroke

1R01NS110826-01A1,

Headache Assessment of Children for Emergent Intracranial Abnormalities

Daniel Tsze, MS (PI)

Effort: 5%

06/21/2020-06/30/2025

HRSA/Maternal Child Health Bureau

U03MC0007-11

Emergency Medical Services for Children (EMSC) Network for the sustainability of a Pediatric Emergency Care Applied Research Network

Peter S. Dayan, MD, MSc (PI)

Effort: 10%

Total Direct Costs: $2,800,000

09/01/19-08/31/23

NIH/National Institute of Allergy and Infectious Disease

AI139839-01

Creation of a Generalizable ED-based Antimicrobial Stewardship Program Using Electronic Health Record Clinical Decision Support

Rakesh D. Mistry, MD, MS (PI)

Effort: 15%

Total Direct Costs: $415,448

06/01/18-05/31/2021

 NIH/National Institutes of Mental Health

5U01MH104311

Emergency Department Screen for Teens at Risk for Suicide (ED-STARS)

Cheryl King, MD (PI)

Effort: 5%

01/01/2015-06/30/2020

NIH/National Institute for Child Health and Development

1R01HD085233

RNA Biosignatures: A Paradigm Change for the Management of Young Febrile Infants

Prashant V. Mahajan, MD (PI)

Effort: 5%

Total Direct Costs: $1,423,234

08/21/2015-04/30/2020

BioFire Diagnostics

Randomized Controlled Trial Assessing Point-of-care Influenza and other Respiratory Virus Diagnostics (RAPID)

Samuel Dominguez (PI)

Effort: 10%

9/1/2018-8/31/2020

Children’s Hospital Colorado/Clinical, Operational, Effectiveness, and Safety Grant

Creation of a Decision Aid to Reduce Misclassification of Self-Reported Penicillin Allergy

Rakesh D. Mistry, MD, MS and Cheryl Yang, MD (Co-PIs)

Effort: None

Total Direct Costs: $50,000

1/2019-1/2020

Maternal Child Health Bureau

2 U03MC0007-11

Emergency Medical Services for Children (EMSC) Network for the sustainability of a Pediatric Emergency Care Applied Research Network

Peter S. Dayan, MD, MSc (PI)

Effort: 10%

Total Direct Costs: $2,800,000

09/01/14-08/31/19

Centers for Disease Control and Prevention

00-2016-91951
A Multifaceted Intervention to Improve Prescribing for Acute Respiratory Tract Infection for Adults and Children in Emergency Department and Urgent Care Settings,

Larissa May (PI)

Effort: 10%

Total Direct Costs: $1,000,000

9/30/16-3/29/18

COEPS: University of Colorado Clinical, Operational, Effectiveness, and Safety Grant

Development of a Prospective ED AMS Prescribing Data Registry and Targeted Interventions for Outpatient Infections Treated in the CHCO ED and NOC

PI: Rakesh D. Mistry

Effort: None

Total Direct Costs: $50,000

09/01/15-08/31/18

Glaxo Smith Kline

Evaluation of Moderate to Severe Influenza Disease in Children 6 months to 8 years in Colorado

PI: Edwin Austurias (PI)

Effort: 10%

08/01/2016-07/31/17

Emergency Medical Foundation

Basic Science and Clinical Innovation Grant

Development of a Novel Outpatient Antimicrobial Stewardship Program Through Knowledge Translation and Clinical Decision Support

PI: Rakesh D. Mistry

Effort: 10%

Total Direct Costs: $60,000

08/01/15-07/31/16

Roche Diagnostics

Protocol 215

Clinical Evaluation of the Xpress Strep A Assay

PI: Christine Robinson

Effort: None

02/22/2016-02/21/2017

 University of Colorado Center for Clinical and Translation Science

I-13-128

Metronidazole Pharmacokinetics in Patients with Appendicitis

PI: Sarah K Parker

Effort: None

Total Directo Costs: $60,000

06/26/14-06/25/15

NIH, National Institute for Child Health and Development

R01HD062417

Fluid Therapy in Diabetic Ketoacidosis

PI: Nathan Kuppermann

Effort: 5%

Total Direct Costs: $2,500,00

06/30/12-07/01/13

 NIH, National Institute of Allergy and Infectious Disease

7300110000-0

Short-Course Therapy for Pediatric Urinary Tract Infections

Effort: 20%

Total Direct Costs: $2,802,529

06/30/09-07/01/13

Commonwealth of Pennsylvania, Universal Research Enhancement Program

8235090511

Epidemiology and Transmission of Community Associated Methicillin Resistant *S. aureus*

PI: Ebbing Lautenbach

Effort: 5%

7/2009-6/2014

**Bibliography and Published Works** *(\*denotes primary mentee or mentored trainee)*

***Peer-Reviewed Original Research***

1. Scarfone RJ, Luberti AT, **Mistry RD**. Outcomes of Children Referred to an Emergency Department by an After-Hours Call Center. *Pediatric Emergency Care* 20(6); 367-372, June 2004. [PMID: 15179144]
2. Scarfone RJ, Luberti AT, **Mistry RD**. Children Referred to Emergency Department After-Hours Call Center: Complaint-Specific Outcomes. *Pediatric Emergency Care* 20(8) 507-513, August 2004. [PMID: 15295245]
3. **Mistry RD**, Yauck JS, Hoffmann RG, Brousseau DC. Association Between Parental and Childhood Emergency Department Utilization. *Pediatrics* 115(2): e147-e151. Feb 2005. [PMID: 15687422]
4. Brousseau DC, **Mistry RD**, Alessandrini EA. Methods of Categorizing Emergency Department Visit Urgency: A Survey of PEM physicians. *Pediatric Emergency Care* 22(9):635-639, Sep 2006. [PMID: 16983247]
5. **Mistry RD**, Cho CS\*, Bilker WB, Brousseau DC, Alessandrini EA. Categorizing Urgency of Pediatric Emergency Department Visits: Agreement Between Criteria. *Acad Emerg Med* 12(12):1304-1311, Dec 2006. [PMID: 17099192]
6. Osterhoudt KC, **Mistry RD**. A Boy with Tremor, Diaphoresis, and Altered Behavior. *Pediatr Emerg Care* 23(6) 41-421, Jun 2007. [PMID: 17572531]
7. **Mistry RD**, Stevens MW, Gorelick MH. Short-term outcomes of Febrile Children Discharged from an Emergency Department. *Pediatric Emergency Care* 23(9):617-23, Sep 2007. [PMID: 17876249]
8. Blackstone MM\*, **Mistry RD**. Late-Presenting Congenital Diaphragmatic Hernia Mimicking Bronchiolitis. *Pediatr Emerg Care* 23(9):653-56, Sep 2007. [PMID: 17876258]
9. **Mistry RD**, Brousseau DC, Alessandrini EA. A Review of Urgency Classification Methods for Emergency Department Visits: Do They Measure Up? *Pediatric Emergency Care*. 24(12):870-4, Dec 2008 [PMID: 19092571]
10. **Mistry RD**, Brousseau DC, Alessandrini EA. A Review of Urgency Classification Methods for Emergency Department Visits: Do They Measure Up? *Pediatric Emergency Care*. 24(12):870-4, Dec 2008 [PMID: 19092571]
11. **Mistry RD**, Stevens MW, Gorelick MH. Health-related quality of life for pediatric emergency department febrile illnesses: an Evaluation of the Pediatric Quality of Life Inventory 4.0 generic core scales. *Health and Quality of Life Outcomes* 2009, 7:5, Jan 2009. [PMID: 19178744]
12. Marlowe L\*, **Mistry RD**, Coffin S, Leckerman KH, McGowan KL, Dai D, Bell LM, Zaoutis T. Blood culture contamination rates after skin antisepsis with chlorhexidine gluconate versus povidone-iodine in a pediatric emergency department. *Infect Control Hosp Epidemiol*, 31(2):171-6, Feb 2010. [PMID: 20025532]
13. **Mistry RD**, Weisz K\*, Scott HF\*, Alpern EA. Emergency Management of Pediatric Skin and Soft Tissue Infections in the Community associated Methicillin-resistant *Staphylococcus aureus* Era. *Acad Emerg Med.* 17:187–193, Feb 2010. [PMID: 20370748]
14. Avery RA, **Mistry RD**, Shah SS MD, Boswinkel J, Huh JW, Ruppe MD, Santiago Borasino S, Licht DJ, Seiden JA, Liu GT. Patient Position During Lumbar Puncture Has No Meaningful Effect on Cerebrospinal Opening Pressure in Children. *J of Child Neurol.* 25(5):616-9, May 2010. [PMID: 20178998]
15. **Mistry RD**, Scott HF\*, Zaoutis T, Alpern EA.Prevalence of *Proteus mirabilis* in Skin Abscesses of the Axilla. *J Pediatr.* 156(5):850-1, May 2010. [PMID: 20303504]
16. Avery RA, Shah SS, Licht DJ, Seiden JA, Huh JW, Boswinkel J, Ruppe MD, Chew A, **Mistry RD**, Liu GT. Reference Range for Cerebrospinal Fluid Opening Pressure in Children. *N Engl J Med*. 2010 Aug 26;363(9):891-893. [PMID: 20818852]
17. **Mistry RD**, Scott HF\*, Zaoutis T, Alpern ER. Emergency Department Treatment Failures of Skin Abscesses in the Era of Community-Associated Methicillin-Resistant Staphylococcus aureus. *Pediatr Emerg Care*. 2011 Jan;27(1):21-6 [PMID: 21178810]
18. Cassidy-Smith T, **Mistry RD**, Russo CJ, MD, McCans K, Brown NN\*, Capano-Wehrle LM, Drago LA, Vitale PA, Baumann, BM. Topical Anesthetic Cream is Associated with Spontaneous Cutaneous Abscess Drainage in Children. *Amer J of Emerg Med*. 2012 Jan 30(1):104-9. [PMID: 21129885]
19. Avery RA, Licht DJ, Shah SS, Huh JW, Seiden JA, Boswinkel J, Ruppe MD, **Mistry RD**, Liu GT. Cerebrospinal Fluid Opening Pressure in Children With Optic Nerve Head Edema. *Neurology*. 2011 May 10;76(10):1658-61. [PMID: 21555733]
20. Baumann BM, Cassidy-Smith T, Russo CJ, Brown NN\*, Pavlik DA **Mistry RD**. Management of Pediatric Skin Abscesses in Pediatric, General Academic and Community Emergency Department Settings. *West J of Emerg Med*. 2011 May;12(2):159-67. [PMID: 21691519]
21. Renuart AJ\*, **Mistry RD**, Avery RA, Licht DJ, Seiden JA, Huh JW, Boswinkel J, Liu GT, Shah SS. Reference Range for Cerebrospinal Fluid Protein Concentration in Children and Adolescents. *Arch Pediatr Adolesc Med*. 2011 Jul;165(7):671-3. [PMID: 21727282]
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