**Curriculum Vitae**

**Date of this revision:** July 8, 2023

**Name:** Melissa Langhan, MD MHS

**Education:**

1995 Bachelor of Science, Biology

University of Richmond, Richmond VA

*Magna cum laude*

2000 Doctor of Medicine

SUNY Health Science Center at Brooklyn, Brooklyn NY

*Summa cum laude*

2013 Master of Health Science

Yale University, New Haven CT

**Other Education/Coursework:**

2019 Young Physicians Leadership Curriculum

2016 Implementation Science: Principles, Practices and Applications

2014 Yale Center for Clinical Investigation Mentor training

2013 Foundations of experiential learning: From simulation to the bedside

2013 Qualitative and Mixed Methods, Yale School of Public Health

2011 Medical Scholars Program, Yale University

**Career/Academic Appointments:**

2000-2001 Intern, Pediatrics, Mount Sinai School of Medicine, New York, NY

2001-2003 Resident, Pediatrics, Mount Sinai School of Medicine, New York, NY

2003-2004 Chief Resident, Mount Sinai School of Medicine, New York, NY

2003-2004 Clinical Instructor, Mount Sinai School of Medicine, New York, NY

2004-2007 Postdoctoral Fellow, Pediatric Emergency Medicine, Yale University School of Medicine, New Haven, CT

2007-2013 Assistant Professor, Department of Pediatrics, Section of Emergency Medicine, Yale University School of Medicine, New Haven, CT

2013-2023 Associate Professor, Department of Pediatrics, Section of Emergency Medicine, Yale University School of Medicine, New Haven, CT

2015- 2023 Associate Professor, Department of Emergency Medicine, Section of Pediatric Emergency Medicine, Yale University School of Medicine, New Haven, CT

July 2023 Professor, Department of Pediatrics, Section of Emergency Medicine, Yale University School of Medicine, New Haven, CT

**Administrative Positions:**

2007-2011 Associate Fellowship Director, Pediatric Emergency Medicine Fellowship Program, Department of Pediatrics, Yale University School of Medicine, New Haven, CT

2009-2011 Assistant Medical Director of Pediatrics, New Haven Sponsor Hospital, New Haven, CT

2010 - Present Director of Education, Pediatric Emergency Medicine, Department of Pediatrics, Yale University School of Medicine, New Haven, CT

2011 – Present Program Director, Pediatric Emergency Medicine Fellowship Program, Department of Pediatrics, Yale University School of Medicine, New Haven, CT

2012 –2015 Co-Director, Yale Pediatric Emergency Medicine Office Preparedness Program, Yale University School of Medicine, New Haven, CT

2014 – Present Pediatric Liaison, Emergency Medicine Physician Assistant Residency Program, Yale-New Haven Hospital, New Haven, CT

2017-Present Director of Operations, Pediatric Emergency Medicine, Department of Pediatrics, Yale University School of Medicine, New Haven, CT

**Board Certifications:**

2003 American Academy of Pediatrics, Pediatrics

2009 American Academy of Pediatrics, Emergency Medicine

**Professional Honors and Recognition:**

International/National/Regional/Local

2022 Society for Pediatric Research House Officer Award for mentored abstract at Pediatric Academic Society

2021 Who’s Who in America, Doctors in Pediatric Medicine

2019 Best Poster Award, Section of Emergency Medicine, American Academy of Pediatrics National Conference and Exhibition

2019 Blue Ribbon and Gallery of Excellence designation, Society for Academic Emergency Medicine conference, awarded to top scoring posters at the annual meeting

2018 Election to Executive Committee, Section of Emergency Medicine, American Academy of Pediatrics

2016 Election to Eastern Society for Pediatric Research Council

2013 Young Investigator Award, Eastern Society for Pediatric Research

2012 Top Ten PEM Paper, AAP National Conference & Exhibition, New Orleans, LA. Manuscript co-author: *Diagnosis of Intussusception by Physician Novice Sonographers in the Emergency Department* (Annals of Emergency Medicine)

2010 Who’s Who in America 2011, 65th ed.

2010 America’s Top Pediatricians 2010, 7th ed.

2007 PEM Pix Photo Competition Award, American Academy of Pediatrics, Section of Emergency Medicine

2007 Eastern Society for Pediatric Research Travel Award

2006 Pediatric Academic Society-Mead Johnson Young Investigator’s Travel Award

2006 Eastern Society for Pediatric Research Travel Award

2005 Fellow, American Academy of Pediatrics

2004 Maternal Child Health Award, Mount Sinai School of Medicine

2000 Summa Cum Laude, SUNY Downstate

2000 Jennifer Timbrook Memorial Award, SUNY Downstate

2000 American Medical Women’s Association Janet Glasgow Memorial Achievement Award, SUNY Downstate

1999 Alpha Omega Alpha Medical School Honor Society

1996 Magna Cum Laude, University of Richmond

Yale University/School of Medicine/Hospital System

2022 Yale Pediatric Residency Program Section Teaching Award (PEM), Department of Pediatrics, Yale University School of Medicine

2021 Yale Pediatric Residency Program Section Teaching Award (PEM), Department of Pediatrics, Yale University School of Medicine

2019 Yale Pediatric Residency Program Section Teaching Award (PEM), Department of Pediatrics, Yale University School of Medicine

2018 Yale Pediatric Residency Program Section Teaching Award (PEM), Department of Pediatrics, Yale University School of Medicine

2017 Yale Pediatric Residency Program Section Teaching Award (PEM), Department of Pediatrics, Yale University School of Medicine

2012 Mae Gailani Junior Faculty Award for uncompromising dedication to research and patient care, Department of Pediatrics, Yale University School of Medicine

2010 Nominated by Chair for Medical Scholars Program, Yale University School of Medicine

2007 Yale University Fellows Research Day Third Place Winner

**Grant History**

1. Current Grants**:**

Funding Org: Association of Pediatric Program Directors

ID#: Special Proposals

Title: Supporting Pediatric Subspecialty Trainees through Remediation: The Fellowship Directors’ Perspective

P.I.: Melissa Langhan, MD

Percent Effort: NA

Total costs for project period: $10,000

Project Period: July 2023-June 2024

Funding Org: Altus Assessments

Title: Unconscious biases of the selection committee: Assessment and mitigation strategies

PI: Melissa Langhan MD

Role: Principal Investigator

Percent Effort: 1%

Total costs for project: $19,995

Project Period: October 2021-September 2023

B.Past Grants**:**

Funding Org: American Board of Pediatrics Foundation

Title: Utilization of EPAs in The Pediatric Subspecialties and Barriers to Their Use

PI: Richard Mink MD

Role: Co-investigator

Percent Effort: 10%

Total costs for project: $100,540

Project Period: November 2019-October 2021

Funding Org: YCCI Pilot project

Title: Improving pediatric acute care through telemedicine

PI: Marc Auerbach MD

Role: Co-investigator

Percent Effort:10%

Total costs for project: $25,000

Funding Org: Covidien

ID#: Investigator Sponsored Research

Title: Capnography at the Bedside: Leading Educational Efforts

P.I.: Melissa Langhan, MD

Percent Effort: 20%

Total costs for project period: $242,027

Project Period: August 2016 – February 2018

Funding Org: Thrasher Research Foundation

ID#: E. W. Thrasher Award

Title: Detecting Post-Operative Respiratory Depression in Children: Are Our Current Standards Good Enough?

P.I.: Melissa Langhan, MD

Percent Effort: 20%

Total costs for project period: $204,853

Project Period: June 2013 – December 2015

Funding Org: Yale University Department of Pediatrics

ID#: Yale Pediatric Faculty Scholar Program

Title: The Use of Capnography Outside of the Operating Room: Identifying Current Perceptions, Facilitators and Barriers to Implementation

P.I.: Melissa Langhan, MD

Percent Effort:10%

Total costs for project period: $7,000

Project Period: July 2012-July 2013

Funding Org: Yale Center for Clinical Investigation CTSA

ID#: UL1 RR024139

Title: Can Capnography Improve Pediatric Sedation Safety in the Emergency Department?

P.I.: Melissa Langhan, MD

Percent Effort: 75%

Total costs for project period: $208,085

Project Period: July 2011-June 2013

Funding Org: Friends of the Yale-New Haven Children’s Hospital

ID#: Elephant Fund

Title: Pediatric Emergency Simulation Program

P.I.: Melissa Langhan, MD

Percent Effort: 10%

Total costs for project period: $9,850

Project Period: June 2011-May 2012

Funding Org: Yale University Department of Pediatrics

ID#: Yale Pediatric Faculty Scholar Program

Title: Does Capnography Improve Time to Recognition of Endotracheal Tube Dislodgement by Pediatric Residents?

P.I.: Melissa Langhan, MD

Percent Effort: 10%

Total costs for project period: $17,140

Project Period: July 2010-July 2011

Funding Org: Yale University Department of Pediatrics

ID#: Yale Pediatric Faculty Scholar Program

Title: The Use of Continuous End-Tidal Carbon Dioxide Monitoring to Improve Safety of the Intubated Child During Transport

P.I.: Melissa Langhan, MD

Percent Effort: 10%

Total costs for project period: $9,000

Project Period: April 2009- August 2010

Funding Org: Friends of the Yale-New Haven Children’s Hospital

ID#: Postdoctoral Fellowship

Title: End-tidal carbon dioxide in children with asthma

P.I.: Melissa Langhan, MD

Percent Effort: 10%

Total costs for project period: $9,500

Project Period: October 2004-April 2007

C. Pending Grants

**Invited Speaking Engagements, Presentations and Workshops Not Affiliated with Yale:**

*International/National:*

2022 Children Mercy Hospital, Kansas. “Scholarly Activities in Fellowship Workshop: Study Design and Statistical Analysis.” Invited Speaker.

2022 American Academy of Pediatrics Women in PEM Subcommittee Quarterly Meeting. “The Better Letter: Mastering the skills of writing effective, bias-free recommendations.” Invited Speaker.

2022 Pediatric Academic Society, Denver CO. “The Better Letter: Mastering the skills of writing effective, bias-free recommendations.” Invited Speaker.

2021 2021 Eastern Society of Pediatric Research Annual Scientific Meeting, Virtual Conference, Emergency Medicine Scientific Abstracts; Session Moderator.

2021 Association of Pediatric Program Directors Virtual Café: “Mitigating bias during the application season: application review through interviews”; Invited Speaker.

2021 Seattle Children’s Hospital/University of Washington, Seattle, WA: “Turning Medical Education into Scholarship”; Invited Speaker.

2021 American Academy of Pediatrics, Section of Emergency Medicine, Subcommittee on Education: “Mentorship in Medical Education: Finding Mentorship and Developing Careers in Education”; Invited Panelist.

2021 Division of Pediatric Critical Care Medicine, Washington University School of Medicine. St. Louis, MO: “Implementing Behavior-Based Interviews”; Invited Speaker.

2020 Association of Pediatric Program Directors. Philadelphia, PA: “Mitigating bias in fellow applicant evaluations: A workshop”; Invited Speaker. (Accepted as workshop, but cancelled due to Covid-19)

2019 2019 Eastern Society of Pediatric Research Annual Scientific Meeting, Philadelphia, PA, Emergency Medicine Scientific Abstracts, Session Moderator

2019 American Academy of Pediatrics National Conference and Exhibition, New Orleans, LA, Section of Emergency Medicine Program Abstract Session; Session Moderator.

2019 Pediatric Academic Society, Baltimore, MD, Emergency Medicine II Abstract Session; Session Moderator.

2018 2018 Eastern Society of Pediatric Research Annual Scientific Meeting, Philadelphia, PA, Emergency Medicine Scientific Abstracts, Session Moderator.

2018 Pediatric Academic Society, Toronto, Canada, Emergency Medicine II Abstract Session; Session Moderator.

2017 2017 Eastern Society of Pediatric Research Annual Scientific Meeting, Philadelphia, PA, Emergency Medicine Scientific Abstracts, Session Moderator

2014 2014 Eastern Society of Pediatric Research Annual Scientific Meeting, Philadelphia, PA, Emergency Medicine Scientific Abstracts, Session Moderator

2014 Audio-Digest Pediatric Board review lecture: “Emergency Care”, Invited Speaker.

2013 2013 Eastern Society of Pediatric Research Annual Scientific Meeting, Philadelphia, PA, Emergency Medicine Scientific Abstracts, Session Moderator

2013 RBaby Pediatric Emergency Course. Cayman Island Hospital, Grand Cayman: “Pediatric Toxicology: Deadly in a Dose”; Invited Speaker.

2013 RBaby Pediatric Emergency Course. Cayman Island Hospital, Grand Cayman: “Fever in the Young Infant and Child”; Invited Speaker.

2013 RBaby Pediatric Emergency Course. Cayman Island Hospital, Grand Cayman: “Skills Workshop: Review of Bag-Valve Mask Ventilation, Intraosseous Needle Placement, Automatic External Defibrillators, and Capnography”; Invited Speaker.

2011 Smart Capnography Technology Center sponsored by Oridion: “Using Capnography to Reduce Risk in Children”; Invited Speaker. [www.smartcapnography.net](http://www.smartcapnography.net)**.**

2011 Smart Capnography Technology Center sponsored by Oridion: “Case Studies Illustrating the Value of Capnography”; Invited Speaker. [www.smartcapnography.net](http://www.smartcapnography.net)**.**

2011 Expert Panel Meeting, Oridion Capnography Advisory Board. Savannah, GA: “Capnography in Children: Applications in a Pediatric Emergency Department”; Invited Speaker.

2010 American Academy of Pediatrics. San Francisco, CA: “All about Ultrasound in the Pediatric Emergency Department: Hands-on training in vascular access”; Invited Speaker.

2005 Pediatric Emergency Medicine National Fellows Conference. Marina Del Rey, CA: “End-Tidal Carbon Dioxide in Asthmatics”.

*Regional:*

2023 Black Rock Church, Fairfield, CT. “Medication Administration.” Invited speaker.

2023 New England Regional PEM Conference, Boston MA. “Women in Pediatric Emergency Medicine: A Data Driven Approach to Equity.” Invited Speaker.

2021 Virtual BaseCamp, NYP- Weill Cornell Medical Center. New York, NY. PEM Simulation Workshop Instructor, Invited Speaker.

2020 Virtual BaseCamp, NYP- Weill Cornell Medical Center. New York, NY. PEM Simulation Workshop Instructor, Invited Speaker.

2020 American Academy of Pediatrics ECHO, Yale CT series: “Turning your Education Project into Scholarship: Evaluation”; Invited Speaker.

2018 BaseCamp, NYP- Weill Cornell Medical Center. New York, NY. PEM Simulation Workshop Instructor, Invited Speaker.

2017 NYP-Columbia University. New York, NY: “Emergency medicine literature review: Antibiotic treatment for otitis media and community acquired pneumonia”; Invited Panelist.

2017 BaseCamp, NYP- Weill Cornell Medical Center. New York, NY. PEM Simulation Workshop Instructor, Invited Speaker.

2016 BaseCamp, NYP- Weill Cornell Medical Center. New York, NY. Cricothyroidotomy, pericardiocentesis, thoracostomy Procedural Workshop Instructor. Invited Speaker.

2014 Middlesex Hospital, Essex CT: “Capnography in the Emergency Department: Use and Interpretation”; Invited Speaker.

2013 Stamford Hospital, Stamford CT: “Introduction to Bedside Ultrasound and Training Workshop for Internal Medicine, Family Practice and Surgical Residents”; Invited Speaker.

2013 Mount Sinai School of Medicine, New York NY: “The Air You Breathe Out: Using Capnography in Children”; Grand Rounds Speaker.

2012 Saint Joseph’s High School Futures Program. Healthcare Career Day, Invited Panelist.

2012 Children’s Medical Group, Hamden CT: “Yale PED ImPACTS (Improving Pediatric Acute Care Through Simulation) Office Emergencies”; Invited Speaker.

2012 Pediatric and Medical Associates, Cheshire CT: “Yale PED ImPACTS (Improving Pediatric Acute Care Through Simulation) Office Emergencies”; Invited Speaker.

2012 Stamford Hospital, Stamford CT: “Introduction to Bedside Ultrasound and Training Workshop for Internal Medicine, Family Practice and Surgical Residents”; Invited Speaker.

2010 Stamford Hospital, Stamford CT: “Introduction to Bedside Ultrasound and Training Workshop for Internal Medicine and Surgical Residents”; Invited Speaker.

2009 Pediatric Emergency Medicine, Mount Sinai School of Medicine. New York, NY: “ETCO2 and You: Applications for the Pediatric Emergency Department”; Invited Speaker.

2009 Pediatric Emergency Medicine Faculty, Columbia University. New York, NY: “Applying Capnography to the Pediatric Emergency Department: A

Simulated Workshop”; Invited Speaker.

2007 Pulmonary Associates of Stamford, Stamford Hospital, Stamford, CT: “Introduction to Ultrasound”; Invited Speaker.

2005 Poison Control Center. New York, NY: “Thin Strip Medications”; Invited Speaker.

2004 Mount Sinai School of Medicine. New York, NY. Intersession Problem Based Learning Facilitator.

2004 Pediatric Housestaff, Mount Sinai School of Medicine. New York, NY. Chest Tube Simulator Instructor.

2003 Mount Sinai School of Medicine. New York, NY. Arts and Science of Medicine I Clinical Instructor.

**Peer-Reviewed Presentations Given at Meetings Not Affiliated with Yale:**

*International/National:*

2023: Pediatric Academic Society, Washington, D.C.

* Choosing Pediatric Trainees and Promoting Diversity: Residency and Fellowship Applicant Characteristics by Race, Ethnicity and Gender; poster presentation
* Selection and Recruitment Strategies Among Pediatric Training Programs and the Impact of Diversity: A Qualitative Study; poster presentation
* Impact of Race on Triage in the Pediatric Emergency Department
* Barriers and Facilitators to Using Entrustable Professional Activities in Pediatric Fellowships; poster presentation
* Mentoring in Pediatric Emergency Medicine: What Women Want
* Pediatric Emergency Medicine (PEM) Fellows Experiences with Critical Event; poster presentation
* Debriefing: A National Cross-Sectional Analysis; poster presentation
* Get MAD: Managing Agitation with De-escalation in the pediatric emergency department; poster presentation

2022 Council of Medical Student Education in Pediatrics Annual Meeting, Cincinnati, OH, “The Medical Student Experience in the Pediatric Intensive Care Unit: “Start Early, Be Less Scared!”, Poster presentation.

2022: Association of Pediatric Program Directors Annual Meeting, San Diego, CA:

* “Identifying gender and racial bias in pediatric fellowship letters of recommendation”; poster presentation.
* “Factors promoting/inhibiting the use of entrustable professional activities in pediatric fellowships”; poster presentation.

2022: Pediatric Academic Society, Denver, CO:

* “Clinical Factors Associated with the Development of Shock in Multisystem Inflammatory Syndrome in Children”, oral presentation
* “Identifying Gender and Racial Bias in Pediatric Fellowship Letters of Recommendation”, oral presentation
* “Facilitators and barriers to using entrustable professional activities in pediatric fellowships”, poster presentation
* “Safety before education: Coronavirus disease 2019 and pediatric residency program educational experiences”, poster presentation
* “Demographic Trends in Gender Disparities Across the Field of Pediatric Emergency Medicine from 2000-2020”, poster presentation
* “Improving Communication with Limited English Proficiency Families in a Pediatric Emergency Department”, poster presentation

2022: Society for Academic Emergency Medicine, New Orleans, LA: “**Clinical Factors Associated with the Development of Shock in Multisystem Inflammatory Syndrome in Children”; presentation.**

2022: Northeast Group on Educational Affairs Annual Virtual Conference:

* + “An enduring disaster response: Coronavirus disease 2019 and pediatric residency program educational experiences”; Oral presentation.
  + “Student Experiences in the Pediatric Intensive Care Unit: Start Early, Be Less Scared”; Oral presentation.

2021: American Academy of Pediatrics National Conference and Exhibition, Philadelphia PA:

* “An Enduring Disaster Response: COVID-19 and Pediatric Residency Program Educational Experiences”; Poster Presentation.
* Section of Critical Care Medicine, “A Mixed-Methods Survey of the Medical Student Experience in the Pediatric Intensive Care Unit: "Start Early, Be Less Scared!”; Oral presentation.
* Section of Emergency Medicine, “Effects of Covid-19 Pandemic on Pediatric Emergency Medicine Fellowship Training”; Oral presentation.

2021: An International Association for Medical Education. Dundee, UK; “Can behavior-based interviews reduce bias in fellow applicant evaluations?” Oral presentation.

2021: Pediatric Academic Society Virtual Meeting:

* “Pediatric Residency Preparedness for Pediatric Emergency Medicine Fellowship: A Survey of First Year Pediatric Emergency Medicine Fellows”; Poster presentation.
* “Implementation of Behavior-based Interviews for Fellow Applicants”; Poster presentation.
* “Can behavior-based interviews reduce bias in fellow applicant evaluations?”; Poster presentation.
* “Chaperones for Medical Examinations of Older Children and Adolescents: Who, when and for what?”; Poster presentation.
* “How do clinical competency committees determine level of supervision for the pediatric subspecialty Entrustable professional activities”, Oral presentation.

2021: Association of Pediatric Program Directors Virtual Spring Meeting

* “Can behavior-based interviews reduce bias in fellow applicant evaluations?”; Oral presentation, Enhanced Learning Session.
* “How do clinical competency committees determine level of supervision for the pediatric subspecialty Entrustable professional activities”, Poster presentation.

2021: Eastern Society for Pediatric Research Annual Scientific Meeting, Virtual Conference:

* “**Pediatric Residency Preparedness for Pediatric Emergency Medicine Fellowship: A Survey of Fellowship Program and Associate Program Directors”;** Oral poster presentation.
* “**Chaperones for Medical Examinations of Older Children and Adolescents: Who, when and for what?”** Online acknowledgement.

2021: **ACGME Annual Educational Conference,** Virtual Conference**:** “**Improving Trainee Applicant Evaluations to Reduce Unconscious Bias”; Poster presentation.**

2020: Pediatric Academic Society, Philadelphia, PA: “Factors Important in Determining Simple versus Complex Cases for the Pediatric Subspecialty Entrustable Professional Activity (EPA) Levels of Supervision”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the PAS 2020 Meeting Program Guide, EPAS20202823.356.)

2020: Pediatric Academic Society, Philadelphia, PA: “Milestone achievements from residency to fellowship: a continuum?”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the PAS 2020 Meeting Program Guide, EPAS20202823.364.)

2020: Pediatric Academic Society, Philadelphia, PA: “Comparison of Female vs Male Milestone Assessments in a National Sample of Pediatric Emergency Medicine Fellowship Programs”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the PAS 2020 Meeting Program Guide, EPAS20202823.363.)

2020: Pediatric Academic Society, Philadelphia, PA: “Do pediatric emergency medicine fellows meet the milestone targets for graduation?”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the PAS 2020 Meeting Program Guide, EPAS20202823.359.)

2020: Pediatric Academic Society, Philadelphia, PA: “Chaperones for Medical Exams of Older Children and Adolescents: Who, when and for what?”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the PAS 2020 Meeting Program Guide, EPAS20204104.40.)

2020: Eastern Society for Pediatric Research Annual Scientific Meeting, Philadelphia, PA: “Pediatric Residency Preparedness for Pediatric Emergency Medicine Fellowship: A Survey of Fellowship Program and Associate Program Directors”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the ESPR 2020 Abstracts: abstract 17.)

2020: Association of Pediatric Program Directors 2020 Annual Meeting, San Diego, CA:

* “Do pediatric emergency medicine fellows meet the milestone targets for graduation?”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the APPD Program Guide, Abstract 75.)
* “Milestone achievements from residency to fellowship: a continuum?”; Poster presentation. (Accepted as poster presentation but due to COVID-19 related conference cancellation, not presented. Disseminated on 4/30/2020 on the APPD Program Guide, Abstract 74.)

2020: Society for Academic Emergency Medicine**, Denver, CO:**

* **“Milestone Achievements in Pediatric Emergency Medicine Fellows: Impact of Primary Residency Training”; Poster presentation.**
* **“Female vs Male Milestone Assessments in a National Sample of Pediatric Emergency Medicine Fellowship Programs”; Poster presentation.**

2019: Annual Scientific Meeting of The Obesity Society. Las Vegas, NV: “Emergency Medicine Providers’ Knowledge, Attitudes, and Practices Regarding Overweight and Obesity”; Poster presentation.

2019: Academy of Pediatrics National Conference and Exhibition, New Orleans, LA: “Milestone achievements in a national sample of PEM fellows: Impact of primary residency training”; Top 5 Poster Nomination and Best Poster Award.

2019: Society for Academic Emergency Medicine, Las Vegas, NV: “Guiding fellows to practice independently: current trends in pediatric emergency medicine fellow supervision”; Poster presentation.

2019: Pediatric Academic Society, Baltimore, MD:

* “Are Graduating Pediatric Fellows Meeting the Expected Level of Supervision for the Common Subspecialty Entrustable Professional Activities (EPAs)?”; Oral presentation.
* “Guiding fellows to practice independently: current trends in pediatric emergency medicine fellow supervision”; Poster presentation.
* “Regression Modeling of Physical Restraint Use: Identifying Potential Racial Disparities in the Emergency Department”; Poster presentation.

2019: Eastern Society for Pediatric Research, Philadelphia, PA:

* “Photograph Acquisition Among Children and Adolescents with Burns in a Children’s Emergency Department”; Poster presentation.
* “Regression Modeling of Physical Restraint Use: Identifying Potential Racial Disparities in the Emergency Department”; Oral presentation.

2018: **American Academy of Pediatrics, Orlando, FL: “Exploring the Effect of Mindfulness on Burnout in a Pediatric Emergency Department”; Poster presentation.**

2018: Obesity Society Conference, Nashville, TN: “Pediatric Health Care Utilization by Body Mass Index in a New England Population”.

2018: Pediatric Academic Society, Toronto, Canada:

* “Improving Capnography Use Among Critically Ill Patients: An Implementation Study”; Poster Presentation.
* “Exploring the Effect of Mindfulness on Burnout in a Pediatric Emergency Department (PED)”; Poster presentation.

2018: Helfer Society Conference. Nashville, TN: “Oral Injuries in Young Children Presenting to a Pediatric Emergency Department”; Oral presentation.

2018: Eastern Society for Pediatric Research, Philadelphia, PA:

* “Oral Injuries in Young Children Presenting to a Pediatric Emergency Department”; Oral presentation.
* “Exploring the Effect of Mindfulness on Burnout in a Pediatric Emergency Department (PED)”; Poster presentation.

2017: 10th Annual Conference on the Science of Dissemination and Implementation in Health. Arlington VA: “Improving capnography use among critically ill patients: An implementation study”; Poster presentation.

2017: Eastern Society for Pediatric Research, Philadelphia, PA: “Knowledge translation in the Emergency Department: Improving utilization of capnography”; Poster presentation.

2017: Society of Critical Care Medicine, Critical Care Congress. Honolulu, HI: “End-tidal carbon dioxide monitoring for tracheal intubation: A prospective multicenter study”.

2015: American Academy of Pediatrics National Conference and Exhibition, Washington, D.C.: **“**Capnography Monitoring to Reduce Adverse Events in the Pediatric Post-Anesthesia Care Unit”; Oral presentation.

2015: Pediatric Academic Society, San Diego, CA: “Respiratory Depression Detected by Capnography: Are Children Being Safely Monitored While Recovering from Anesthesia?”; Poster presentation.

2015: Eastern Society for Pediatric Research, Philadelphia, PA: “Respiratory Depression Detected by Capnography: Are Children Being Safely Monitored While Recovering from Anesthesia?” Oral presentation.

2015: Society for Pediatric Anesthesia. Phoenix, AZ: “Respiratory Depression Detected by Capnography: Are Children Being Safely Monitored While Recovering from Anesthesia?” Moderated poster presentation.

2014: Pediatric Academic Society, Vancouver B.C.:

* “An Evaluation of Capnography Use in Pediatric Sedation: Perceptions, Practice and Barriers.”; Oral presentation.
* “Maintaining normal ventilation in children needing bag-valve mask ventilation: should capnography be standard of care?”; Poster presentation.
* “The Use of Capnography During Critical Events in Children”; Poster presentation.
* “Provider Barriers to Identification and Management of Pediatric Sepsis in Rwanda”; Poster presentation.

2014: Eastern Society of Pediatric Research, Philadelphia, PA.

* “Maintaining normal ventilation in children needing bag-valve mask ventilation: should capnography be standard of care?”; Oral presentation.
* “The Use of Capnography During Critical Events in Children”; Poster presentation.
* “Provider Barriers to Identification and Management of Pediatric Sepsis in Rwanda”; Poster presentation.

2013: American Academy of Pediatrics, Orlando, FL: “ImPACTS: Improving Pediatric Acute Care Through Simulation”; Poster presentation.

2013: Pediatric Academic Society, Washington D.C.: “Can capnography improve sedation safety in the Emergency Department?”; Oral presentation.

2013: Translational Science Meeting, Washington D.C.: “Can capnography improve sedation safety in the Emergency Department?”; Poster presentation.

2013: Eastern Society for Pediatric Research. Philadelphia, PA:

* “Capnography during Critical Events in the Emergency Department: Impact of the 2010 American Heart Association Guidelines”; Oral presentation.
* “Can capnography improve sedation safety in the Emergency Department?” Oral presentation.

2013:Children’s Hospital Association Creating Connections Conference, Anaheim, CA: “ImPACTS: Improving Pediatric Acute Care Through Simulation”; Poster presentation.

2012: Society for Pediatric Sedation Conference. Cleveland OH: “How are Pediatric Patients Being Monitored During Sedation Outside of the Operating Room?”

2012: Society for Clinical and Translational Science, Washington, D.C.: “Can Capnography Improve Pediatric Sedation Safety in the Emergency Department?”

2011: American Academy of Pediatrics National Conference and Exhibition, Boston, MA:

* “Improving Detection of Endotracheal Tube Dislodgement with Capnography”; Oral presentation.
* “How are Pediatric Patients Being Monitored During Sedation Outside of the Operating Room?”; Poster presentation.

2011: Pediatric Academic Society, Denver, CO: “Little Fingers, Big Trouble: Child Self-Unbuckling”; Oral presentation.

2011: Eastern Society for Pediatric Research, Philadelphia, PA: “Little Fingers, Big Trouble: Child Self-Unbuckling”; Oral presentation.

2010: American Academy of Pediatrics National Conference and Exhibition, San Francisco, CA: “Capnography Improves Time to Correction of Endotracheal Tube Dislodgement by Prehospital Providers”; Oral presentation.

2010: Pediatric Academic Society, Vancouver, BC: “Detection of Hypoventilation by Capnography and Its Association with Hypoxia in Children Undergoing Sedation with Ketamine”; Poster presentation.

2010: Eastern Society for Pediatric Research, Philadelphia, PA:

* “Detection of Hypoventilation by Capnography and Its Association with Hypoxia in Children Undergoing Sedation with Ketamine”; Oral presentation.
* “Capnography Improves Recognition of Endotracheal Tube Dislodgement by Prehospital Providers”, Poster presentation.

2009: Pediatric Academic Society, Baltimore, MD: “Respiratory Depression in Intoxicated Adolescents and Young Adults”; Poster presentation.

2009: Eastern Society for Pediatric Research, Philadelphia, PA:

* “Respiratory Depression in Intoxicated Adolescents and Young Adults”; Poster Presentation.
* “Ultrasound Evaluation of the Saphenous Vein in Children”; Oral presentation.

2007: American Academy of Pediatrics, PEM Pix photo competition, San Francisco, CA:

* **“**Painful Scalp Rash: Cutaneous Myiasis Secondary to New World Screwworm”; Oral presentation.
* “15-year-old Female with Generalized Edema”; Poster presentation.

2007: Eastern Society for Pediatric Research, Philadelphia, PA: “End-tidal Carbon Dioxide: The Wave of the Future”; Oral presentation.

2006: American Academy of Pediatrics National Conference and Exhibition, Atlanta, GA: “Portable Spirometry during Acute Exacerbations of Asthma in the Pediatric Emergency Department”; Oral presentation.

2006: Pediatric Academic Society, San Francisco, CA:

* “End-Tidal Carbon Dioxide as an Objective, Noninvasive Measurement of Acute Asthma Exacerbations”; Poster presentation.
* “End-Tidal Carbon Dioxide Changes with Bronchodilator Therapy During Acute Exacerbations of Asthma in Children”; Poster presentation.

2006: Eastern Society for Pediatric Research Greenwich, CT**:**

* **“**End-Tidal Carbon Dioxide Changes with Bronchodilator Therapy During Acute Exacerbations of Asthma in Children”; Oral presentation.

*Regional:*

2023: New England Regional Meeting of the Society for Academic Emergency Medicine, Worcester MA: “Mentoring in Pediatric Emergency Medicine: What Women Want”; poster presentation.

2019: New England Regional Meeting, Society for Academic Emergency Medicine, Worcester, MA: “Emergency medicine providers’ knowledge, attitudes, and practices regarding overweight and obesity”; Poster presentation.

2018: Connecticut College of Emergency Physicians (CCEP) Scientific Assembly, Hartford, CT: “Acute and Routine Care Visits by Body Mass Index in a Pediatric Population”.

2002: New York State Regional Society of Academic Emergency Medicine. New York, NY: “How Comfortable are Emergency Medicine Physicians with Pediatric Patients?”; Poster presentation.

**PROFESSIONAL SERVICE**

**Advisory Board**

Advisor, Physician-Patient Alliance for Health & Safety

Advisor, Oridion

Consultant, Takeda Pharmaceuticals

**Journal Service**

Ad hoc Reviewer for:

Academic Emergency Medicine

Annals of Emergency Medicine

Journal of Asthma and Allergy

International Journal of Pediatrics

Journal of Asthma

Advances in Medical Education and Practice

Pediatric Emergency Care

Pediatrics

Academic Pediatrics

Editorial Board:

2014-Present Pediatric Emergency Medicine Practice

**Professional Organizations**

Abstract reviewer:

American Academy of Pediatrics, Section of Emergency Medicine

Eastern Society of Pediatric Research

Pediatric Academic Society

**Professional Organizations**

American Academy of Pediatrics

2018 – Present Mentor, AAP Mentorship program

2005 – Present Fellow

2004 - Present Member, Section of Emergency Medicine

2000 - 2005 General Member

*PREP E:Med*

2021 – Present Deputy Editor

2015 – 2021 Editorial board member and contributing writer

*Section of Emergency Medicine*

2021 - Present Member, Education Subcommittee

2020 - Present Chair, NCE Abstract Committee

2018 - Present Member, Executive Committee

2008 - 2011 Member, PEM Pix Selection Committee

2008 - 2021 Member, Pediatric Emergency Medicine Collaborative Research Committee

2005 - 2010 Member, Committee for the Future

*PEM Fellowship Directors Subcommittee*

2023- Present Past Chair and Member, Collaborative scholarship group

2020 - 2023 Founder and Chair, Collaborative scholarship group

2019 - Present Member, Survey committee

2018 - Present Member, Executive steering committee

2010 - Present Member

*Women in PEM Subcommittee*

2023- Present Past Chair and Member, Mentorship and Sponsorship Working Group

2020 - 2023 Chair, Mentorship and Sponsorship Working Group

2020 - Present Member, Executive Committee

2019 - Present Member, Women in PEM

Association of Pediatric Program Directors

2023- Present Executive Council, Supporting Medical Education Research Fellow Scholars

2010- Present Member

Eastern Society of Pediatric Research

2022 - Present Past Chair and Member, Membership Committee

2019 – 2022 Chair, Membership Committee

2016 – 2020 Council member

2013 – Present Member

Subspecialty Pediatrics Investigative Network (SPIN)

2018 – Present Steering committee, Pediatric Emergency Medicine representative

Connecticut State Medical Society

2018 – Present Member

Ambulatory Pediatric Association

2006 – 2009 Member

Injury Free Coalition

2001 - 2003 Member

Alpha Omega Alpha Medical Honor Society

1999 – present Member

**University Service**

**Departmental Committees**

2021 – Present Director, Pediatric Medical Education Research Collaborative

2021 Project Lead, Improving educational feedback during a fellowship conference series, American Board of Pediatrics Maintenance of Certification part 4 activity

2019 – Present Educational Leadership Committee, Yale University, Department of Pediatrics

2018 Institute for Advanced Clinical Trials for Children, Emergency Medicine Liaison, Department of Pediatrics

2013 – Present Clinical Competency Committee, Yale University, Department of Pediatrics, Section of Emergency Medicine

2010 – Present Program Evaluation Committee, Yale University, Department of Pediatrics, Section of Emergency Medicine

2009 – Present Scholarship Oversight Committee, Yale University, Department of Pediatrics

2008 – 2021 Pediatric Resident Selection Committee, Yale University, Department of Pediatrics

2007- Present Advanced Practice Provider Selection Committee, Yale University School of Medicine, Department of Pediatrics, Section of Emergency Medicine

2007- Present Pediatric Emergency Medicine Faculty Selection Committee, Yale University School of Medicine, Department of Pediatrics, Section of Emergency Medicine

2004- Present Pediatric Emergency Medicine Fellowship Selection Committee, Yale University School of Medicine, Department of Pediatrics, Section of Emergency Medicine

2003 – 2004 Pediatric Resident Selection Committee, Mount Sinai School of Medicine, Department of Pediatrics

2003 - 2004 Housestaff Education Committee, Mount Sinai School of Medicine, Department of Pediatrics

2003 - 2004 Morbidity and Mortality Committee, Mount Sinai School of Medicine, Department of Pediatrics

2003 - 2004 Quality Initiative Committee, Mount Sinai School of Medicine, Department of Pediatrics

**Medical School Committees**

2015 Medical School Thesis Committee, Yale University

**Hospital Committees**

2020 - Present GME Assessment Hub

2020 - 2022 Director, GME Collaborative Scholarship Group

2013 - 2020 Pediatric Protocol Review Committee

2012 - 2013 Pediatric Emergency Department Nursing Peer Review Committee

2011 - 2013 Graduate Medical Education Internal Review Committee,

Geriatric Psychiatry, Pediatric Anesthesiology

2009 – 2011 Paramedic Program Advisory Committee, New Haven Sponsor Hospital

2009 – 2011 QA/QI Committee, New Haven Sponsor Hospital

2009 – 2011 Pediatric Coordinator Operations Committee, New Haven Sponsor Hospital

2007 - 2011 Medical Oversight, New Haven Sponsor Hospital

**Public Service**

2021-Present Summer camp medical director, Black Rock Church

2020 Covid Hot Meal Serving Volunteer, Black Rock Church

2017-Present Medical Response Team, Black Rock Church

2016-2018 Vice President After School Programming and Literacy, Jennings Elementary School, Fairfield, CT

2012 Yale ImPACTS Program (Improving Pediatric Acute Care through Simulation). Outreach program to community pediatrician’s offices offering education on office-based preparedness for pediatric emergencies and Basic Life Support training for staff.

2011 Featured expert, Smart Capnography Technology Center sponsored by Oridion, *Using Capnography to Reduce Risk in Children*, [www.smartcapnography.net](http://www.smartcapnography.net)

2011 Feature expert, Smart Capnography Technology Center sponsored by Oridion, *Case Studies Illustrating the Value of Capnography,* [www.smartcapnography.net](http://www.smartcapnography.net)

2008 - 2019 Volunteer for Reading Incentive Programs at Jennings Elementary School, Fairfield, CT

2008 – 2016 First-aid provider for Daisy and Brownie Scout Troops of Jennings Elementary School, Fairfield CT

2008 – 2013 Volunteer lectures at the Jewish Community Center of Fairfield Early Childhood Development program, Daisy and Brownie Scout Troops of Jennings Elementary School, Fairfield CT.

**Media Presence**

Cutaneous myiasis secondary to New World Screwworm. PEM Pix photo gallery. American Academy of Pediatrics, Section on Emergency Medicine. [www.aap.org](http://www.aap.org). October 2007.

Transverse vaginal septum with hematocolpos. PEM Pix photo gallery. American Academy of Pediatrics, Section on Emergency Medicine. [www.aap.org](http://www.aap.org). October 2010.

Featured Expert. Using Capnography to Reduce Risk in Children. Smart Capnography Technology Center sponsored by Oridion. [www.smartcapnography.net](http://www.smartcapnography.net)**,** [www.youtube.com](http://www.youtube.com)(957 views),August 2011.

Featured Expert. Case Studies Illustrating the Value of Capnography. Smart Capnography Technology Center sponsored by Oridion. [www.smartcapnography.net](http://www.smartcapnography.net), [www.youtube.com](http://www.youtube.com) (1646 views)**.** August 2011.

Podcast Featured Expert. Twist and Shout: Testicular Torsion. Skeptics Guide to Emergency Medicine #205. <http://thesgem.com/2018/02/sgem205-twist-shout-testicular-torsion/>

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2. **Langhan M,** Zonfrillo M, Spiro D. Quantitative End-Tidal Carbon Dioxide in Acute Exacerbations of Asthma. Journal of Pediatrics 2008; 152(6): 829-32. PMID 18492526
3. **Langhan M,** Chen L. Current Utilization of Continuous End-Tidal Carbon Dioxide Monitoring in Pediatric Emergency Departments. Pediatric Emergency Care 2008; 24(4): 211-3. PMID 18431217
4. **Langhan ML.** Continuous End-Tidal Carbon Dioxide Monitoring in Pediatric Intensive Care Units. Journal of Critical Care 2009; 24(2): 227-30. PMID 19327292
5. **Langhan ML,** Spiro DM. Portable Spirometry During Acute Exacerbations of Asthma in a Pediatric Emergency Department. Journal of Asthma 2009; 46(2): 122-125. PMID 19253115
6. Chen L, Hsiao A, **Langhan M**, Riera A, Santucci K. Use of Bedside Ultrasound to Assess Degree of Dehydration in Children with Gastroenteritis. Academic Emergency Medicine 2010; 17(10): 1042-47. PMID 21040104
7. Riera A, **Langhan M**, Northrup V, Santucci K, Chen L. Remember the saphenous: ultrasound evaluation and intravenous site selection of peripheral veins in young children. Pediatric Emergency Care 2011; 27(12):1121-5. PMID 22134232
8. **Langhan ML,** Ching K, Northrup V, Alletag M, Kadia P, Santucci K, Chen L. A Randomized Controlled Trial of Capnography in the Correction of Simulated Endotracheal Tube Dislodgement. Academic Emergency Medicine 2011; 18(6): 590-6. PMID 21676056
9. **Langhan ML**, Chen L, Marshall C, Santucci KA. Detection of Hypoventilation by Capnography and its Association with Hypoxia in Children Undergoing Sedation with Ketamine. Pediatric Emergency Care 2011; 27(5): 394-7. PMID 21494162
10. **Langhan M.** Availability and Clinical Utilization of Capnography in the Prehospital Setting. Connecticut Medicine 2011; 75(4): 197-201. PMID 21560724
11. **Langhan ML,** Mallory M, Hertzog J, Lowrie L, Cravero JP. Physiologic Monitoring Practices during Pediatric Procedural Sedation: A Report from the Pediatric Sedation Research Consortium. Archives of Pediatrics and Adolescent Medicine 2012; 166(11): 990-8. PMID 22965648
12. Riera A, Hsiao A, **Langhan ML**, Goodman R, Chen L. Diagnosis of Intussusception by Physician Novice Sonographers in the Emergency Department. Annals of Emergency Medicine 2012; 60(3):264-8. PMID 22424652
13. **Langhan ML**, Auerbach M, Smith A, Chen L. Improving Detection of Endotracheal Tube Dislodgement by Pediatric Residents with Capnography: A Randomized Controlled Trial. Journal of Pediatrics 2012; 160(6): 1009-1014. PMID 22244462
14. **Langhan ML.** Acute Alcohol Intoxication in Adolescents: Frequency of Respiratory Depression. The Journal of Emergency Medicine 2013; 44(6): 1063-9. PMID 23485262
15. **Langhan ML,** Kurtz JC, Schaeffer P, Asnes AG, Riera A. Experiences with Capnography in Acute Care Settings: A Mixed-Methods Analysis of Clinical Staff. Journal of Critical Care 2014; 29(6):1035-40. PMID 25129575
16. Tiyyagura G, Arnold L, Cone D, **Langhan M**. Pediatric Anaphylaxis in the prehospital setting. Prehospital Emergency Care 2014; 18(1):46-51. PMID 24028748
17. **Langhan ML,** Riera A, Kurtz JC, Schaeffer P, Asnes AG. Implementation of newly adopted technology in acute care settings: a qualitative analysis of clinical staff. Journal of Medical Engineering and Technology 2015: 39(1): 45-53. Epub Nov 4, 2014. PMID 25367721
18. **Langhan ML,** Shabanova V, Li F, Bernstein SL, Shapiro ED. A Randomized Controlled Trial of Capnography During Sedation in a Pediatric Emergency Setting. The American Journal of Emergency Medicine 2015; 33(1):25-30. Epub Oct 4, 2014. PMID 25445871
19. Iyer NS, Koziel JK, **Langhan ML.** A Qualitative Evaluation of Capnography Use in Pediatric Sedation: Perceptions, Practice, and Barriers. Journal of Clinical Nursing 2015; 24(15-16): 2231-8. PMID 25926380.
20. **Langhan ML**, Li F, Lichtor JL. Respiratory Depression Detected by Capnography among Children in the Post-Anesthesia Care Unit: A Cross-Sectional Study. Pediatric Anesthesia 2016; 26(10): 1010-7. PMID 27396979
21. **Langhan ML**, Li F, Lichtor JL. The impact of capnography monitoring among children and adolescents in the postanesthesia care unit: a randomized controlled trial. Pediatric Anesthesia 2017; 27(4): 385-93. PMID 28177565
22. Bullock A, Dodington JM, Donoghue A, **Langhan ML.** Capnography Use During Intubation and Cardiopulmonary Resuscitation in the Pediatric Emergency Department. Pediatric Emergency Care 2017; 33(7): 457-64. PMID 27455341
23. **Langhan ML**, Emerson BL, Nett S, Pinto M, Harwayne-Gidansky I, Rehder KJ, Krawiec C, Meyer K, Giuliano Jr. JS, Tarquinio KM, Sanders Jr. RC, Shepherd M, Byansi GK, Shenoi AN, Napolitano N, Gangadharan S, Parsons SJ, Simon DW, Nadkarni VM, Nishisaki A. End-Tidal Carbon Dioxide Use for Tracheal Intubation: Analysis from the NEAR4KIDS Registry. Pediatric Critical Care Medicine 2018; 19(2): 98-105. PMID 29140968
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28. **Langhan ML,** Woolf S, Tiyyagura G. A community emergency department rotation for pediatric emergency medicine fellows. Pediatric Emergency Care, 2021; 37(12): e1521-1523. Epub Sept 15, 2020. PMID 32941360
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35. Vu T, Rose J, Shabanova V, Kou M, Zuckerbraun NS, Roskind CG, Baghdassarian A, Levasseur K,Leonard K, **Langhan ML**. Milestones Comparisons from Residency to Pediatric Emergency Medicine Fellowship: Resetting Expectations. AEM Education and Training, 2021; 5(3):e10600. EPub Mar 29, 2021. PMID 34124529
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40. Kou M, Baghassarian A, Khanna K, Jamal N, Carney MM, Fein DM, Kim I, **Langhan ML**, Rose JA, Zuckerbraun NS, Roskind CG. Guiding fellows to independent practice: current trends in pediatric emergency medicine fellow supervision. Pediatric Emergency Care, 2022 Oct 1;38(10):517-520. doi: 10.1097/PEC.0000000000002676. Epub 2022 Mar 30.PMID: 35353795
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Peer Reviewed Reviews, Practice Guidelines, Standards and Consensus statements

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Peer Reviewed Educational Materials

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2. Hsu D, Chang T, Dahl-Grove D, Fein DM, Jacobs E, Klasner A, Kou M, **Langhan M,** Lumba A, Madhok M, McAneney C, Mittiga M, Nagler J, Nypaver M, Ramirez J, Reynolds S, Stankovic C, Thompson T, Zaveri P, Zuckerbraun N. Competencies mapped to PEM EPAs. Pediatric Emergency Medicine Subspecialty Specific Entrustable Professional Activities and Competencies for Reporting of Milestones. April 2014. Available at:
3. Hsu D, Nypaver M, Fein DM, McAneney C, Santen S, Nagler J, Zuckerbraun N, Roskind CG, Reynolds S, Zaveri P, Stankovic C, House JB, **Langhan M**, Titus MO, Dahl-Grove D, Klasner AE, Ramirez J, Chang T, Jacobs E, Chapman J, Lumba-Brown A, Thompson T, Mittiga M, Eldridge C, Heffner V, Herman BE, Kennedy C, Madhok M, Kou M. Essentials of PEM Fellowship Part 2: The Profession in Entrustable Professional Activities. Pediatr Emerg Care. 2016 Jun;32(6):410-8. doi: 10.1097/PEC.0000000000000827. PMID: 27253361.

Case Reports, Notes, Letters:

1. **Langhan M**, Arnold L. Clostridial myonecrosis in an adolescent male. Pediatrics 2005; 116:e735-7. PMID 16199671
2. **Langhan M**, Chan G. Clonidine exposures, not toxicity. Journal of Pediatrics, 2006; 148(4):565. PMID 16647432
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9. Woolf S, **Langhan ML.** Can’t poop, can’t pee…what’s going on with me? Clinical Pediatric Emergency Medicine, 2019; 20(4):1-7.
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11. **Langhan ML,** Tiyyagura G. Revise and Resubmit. Academic Pediatrics, 2022 Feb 10:S1876-2859(22)00062-6. PMID: 35151927.
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Chapters

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Invited Commentaries

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7. Wilson M, Patel S, Langhan ML. The Use of Medical Chaperones During Physical Examinations: The Perceptions of Adolescents and Their Caregivers. Pediatric Emergency Care, 2023.