

Tanner Heckle, MD, MPH, MEd

Date prepared: August 2025

Personal Data

Business Address Children's Hospital Colorado
Section of Emergency Medicine
13123 E. 16th Ave
Aurora, CO, 80045
Tanner.Heckle@ChildrensColorado.org

Educator Portfolio TannerHeckle.com

Education and Training

8/2011 – 5/2015 **Pepperdine University**
Malibu, CA
Bachelor of Science (BS) Sports Medicine with Honors, Minor in Hispanic Studies
Summa Cum Laude
Honors Thesis: "Sympatholysis in Rat Soleus Feed Arteries"

6/2015 – 5/2019 **University of Arizona College of Medicine – Phoenix**
Phoenix, AZ
Doctor of Medicine (MD)

10/2015 – 5/2019 **University of Arizona Mel and Enid Zuckerman College of Public Health**
Phoenix, AZ
Master of Public Health (MPH)
Thesis: "Maternal and neonatal outcomes of attempted VBAC for planned homebirths vs planned hospital births"

5/2023 – 5/2025 **University of Cincinnati**
Cincinnati, OH
Master of Medical Education (MEd)
Thesis: "Virtual Escape Rooms are enjoyable and effective for teaching Toxicology"

6/2019 – 6/2022 **Seattle Children's Hospital, University of Washington**
Seattle, WA
Pediatric Residency

7/2022 – 6/2025 **Cincinnati Children's Hospital Medical Center**
Cincinnati, OH
Pediatric Emergency Medicine Fellowship

Academic Appointments

8/2025 – present Assistant Professor of Pediatrics
Section of Emergency Medicine
University of Colorado School of Medicine, Children's Hospital Colorado

Licensing and Certification

- Board Certification: Pediatrics, American Board of Pediatrics Oct 2022 – present
- License: Doctor of Medicine, Ohio #35.144654 Mar 2022 – present
- License: Doctor of Medicine, Limited, Washington #ML 60950099 Jun 2019 – May 2023
- Pediatric Advanced Life Support (PALS), Instructor Expiration Aug 2025
- Advanced Cardiac Life Support (ACLS), Certified Expiration Aug 2025
- Advanced Trauma Life Support (ATLS), Certified Expiration Aug 2026
- Cincinnati Children's Hospital Advanced Simulation Facilitator, Certified Mar 2023 – present
- CITI Training Available upon request

Honors and Awards

- INSPIRE scholar, International Pediatric Simulation Society Jan 2022
- Gold Humanism Honor Society: University of Arizona College of Medicine – Phoenix Jan 2018
- Summa Cum Laude: Pepperdine University May 2015
- Honors in Sports Medicine: Pepperdine University Apr 2015
- "Natural Science Division Researcher of the Year" Award: Pepperdine University Apr 2015
- "Sports Medicine Graduate of the Year" Award: Pepperdine University Apr 2015
- Research Grant: Summer Undergraduate Research in Biology May 2013
- Golden Key Honor Society 2013 – 2015
- Dean's List: Pepperdine University 2012 – 2015

Research and Scholarly Activities

My clinical research focuses on describing and optimizing high-risk pediatric intubation and risk-stratifying pediatric patients with poor outcomes during intubation. I have a secondary research interest in areas of medical education including designing, validating, and implementing novel teaching methods by utilizing innovation, technology, and gamification.

Peer-Reviewed Research Publications

Heckle T, Kerrey B, Zhang Y, Dean P. (2025). Interventions to Reduce Risk in the Physiologically Difficult Pediatric Airway: A Descriptive Study and Exploratory Analysis. *Journal of the American College of Emergency Physicians* open, 6(2), 100052. PMID: 39990922.

Sanseau E, Lavoie M, Tay KY, Good G, Tsao S, Burns R, Thomas A, Heckle T, Wilson MA, Kou M, Auerbach M. (2021). TeleSimBox: An Effective Alternative For Experiential Learning For Medical Student Education With Social Distancing Requirements. *AEM Education and Training*, 5(2), e10590. PMID: 33842815.

Peer-Reviewed Research Submitted for Publication

Heckle T, Koid C, Sobolewski B, Mazor S. (2025). Virtual escape rooms are enjoyable and effective for teaching Toxicology. *In-draft*.

Other Publications

Heckle T, Sobewleski B. (2022). "Fractures and Dislocations." The Pocket, 2023-2025 edition. Cincinnati Children's Hospital.

Heckle T, Sobewleski B. (2022). "Splinting." The Pocket, 2023-2025 edition. Cincinnati Children's Hospital.

Heckle T, Sobewleski B. (2022). "Suturing." The Pocket, 2023-2025 edition. Cincinnati Children's Hospital.

Heckle TJ, Jasperse JL. (2015). Sympatholysis in rat soleus feed arteries. *Pepperdine University Libraries*. (Honors Thesis)

Oral Presentations

Heckle TJ. "How to Create a Virtual Escape Room for Medical Education."
International Pediatric Simulation Society Virtual, September 2021

Heckle TJ. "Maternal and Neonatal Outcomes of Attempted Vaginal Birth After Cesarean (VBAC) for Planned Home Births versus Planned Hospital Births." *University of Arizona Health Sciences Libraries*.
University of Arizona College of Medicine Phoenix Research Symposium, March 2019

Heckle TJ, Jasperse JL. "Sympatholysis in Rat Soleus Feed Arteries." *Pepperdine University Libraries*.
Pepperdine University Natural Science Division Honors Thesis Defense, April 2015

Heckle TJ, Jasperse JL. "The Effect of Shear Stress, Potassium, Adenosine, and Acidosis on Alpha-1 Adrenergic Vasoconstriction of Rat Soleus Feed Arteries." *Pepperdine Digital Commons*.
Pepperdine University Research Symposium, February 2014

Poster Presentations

Heckle T, Kerrey B, Zhang Y, & Dean, P. "Reducing Risk in the Physiologically Difficult Pediatric Airway."
American Academy of Pediatric National Conference, October 2023

Sanseau E, Heckle T. "Telesimulation: Effective for Medical Student Education During Time of COVID."
International Pediatrics Simulation Society Virtual Conference, October 2020

Heckle TJ. "Maternal and Neonatal Outcomes of Attempted Vaginal Births After Cesarean (VBACs) for Planned In-Home Births versus Planned In-Hospital Births."
University of Arizona College of Medicine Phoenix Research Symposium, March 2019

Heckle TJ, Jasperse JL. "Do ATP and Hydrogen Peroxide Cause Sympatholysis in Rat Soleus Feed Arteries?" *The Federation of American Societies for Experimental Biology Journal*. 29(1): supplement 1054.9.
Experimental Biology Conference, March 2015

Heckle TJ, Jasperse JL. "Acidity, but Not Shear Stress, Potassium, and Adenosine, is Sympatholytic in Rat Soleus Feed Arteries."
Southern California Conference for Undergraduate Research, November 2014

Heckle T. (2014). The Effect of Shear Stress, Potassium, Adenosine, and Acidosis on Alpha-1 Adrenergic Vasoconstriction of Rat Soleus Feed Arteries. *The Federation of American Societies for Experimental Biology Journal*. 28(1): supplement 1170.14.
Experimental Biology Conference, March 2014

Leadership

- Committee and Board Membership
 - **American Academy of Pediatrics, Section on Emergency Medicine**
Executive Board Member, PEM Rescue Special Interest Group Oct 2023 – present
 - **Cincinnati Children's Hospital, Division of Emergency Medicine**
Fellow Representative, Fellowship Recruitment Committee Sep 2022 – present
 - **Arizona Geriatrics Society**
Executive Board Member Jan 2018 – Dec 2019

| | |
|--|---------------------|
| Chair, Membership Committee | Dec 2016 – Dec 2017 |
| Student Representative | Dec 2016 – Dec 2017 |
| • Pepperdine University Alumni, Phoenix Chapter | |
| Board Member | Dec 2016 – May 2019 |
| • Christian Medical and Dental Association, Phoenix Chapter | |
| Founder and Board Member | Dec 2016 – Dec 2017 |
| • Christian Medical Society, University of Arizona College of Medicine – Phoenix | |
| Chair | Dec 2015 – Dec 2016 |
| • Geriatrics Interest Group, University of Arizona College of Medicine – Phoenix | |
| Chair | Dec 2015 – Dec 2016 |
| • Sports Medicine Interest Group, University of Arizona College of Medicine – Phoenix | |
| Chair | Dec 2015 – Dec 2016 |
| • Sports Physicals Volunteers, University of Arizona College of Medicine – Phoenix | |
| Director | Dec 2015 – Dec 2016 |
| • Pepperdine Ambassadors Council: Pepperdine University | |
| Executive Board Member | Mar 2014 – Mar 2015 |
| Community Liaison to Malibu Chamber of Commerce | Mar 2014 – Mar 2015 |

Teaching and Mentoring

- Educator Portfolio available at **TannerHeckle.com**
- Curriculum Development
 - Toxicology Curriculum for Pediatric Emergency Medicine
Cincinnati Children's Pediatric Emergency Medicine Fellowship Program, Submitted August 2023
 - Procedures Elective for Pediatric Residents
Seattle Children's Hospital Pediatric Residency Program, Published August 2021
- Instructor Roles
 - Lead Tutor, University of Arizona College of Medicine - Phoenix: Phoenix, AZ Jul 2016 – Feb 2017
- Division Lectures
 - "Radiology Rounds: GI pathology," PEM/Radiology Combined Conference Apr 2025
 - "PEM Board Prep: Abdominal Trauma," Cincinnati Children's Fellowship Program Dec 2024
 - "Hypoxemia and Respiratory Failure," Cincinnati Children's Fellowship Program Oct 2024
 - "Exploring PEM Evidence," Cincinnati Children's Fellowship Program Jul 2024
 - "PEM Literature Review," University of Cincinnati Emergency Medicine Grand Rounds Jun 2024
 - "PEM Board Prep: Hematologic Emergencies," Cincinnati Children's Fellowship Program Jun 2024
 - "Composite Outcomes" Journal Club, Cincinnati Children's Fellowship Program Jul 2023
 - "Pediatric and Adult Toxidromes," University of Cincinnati Emergency Medicine Grand Rounds Mar 2023
 - "Recognizing Child Abuse," Cincinnati Children's Fellowship Program Oct 2022
 - "C-collar indications, application, and removal," Cincinnati Children's Residency Program Sep 2022
 - "Rapid onset paralysis," Seattle Children's Hospital Residency Program Dec 2021
 - "The Cost of Health Care," Seattle Children's Hospital Residency Program Aug 2021
- Digital Scholarship
 - Video production: "Choosing Wisely: Do not obtain comprehensive viral testing for common respiratory illnesses."
Published online: 24 Aug 2023. Views to date: 38

Service

- Professional Membership
 - American Academy of Pediatrics
 - American College of Emergency Physicians
 - International Pediatric Simulation Society
 - Christian Medical and Dental Association
 - Gold Humanism Honor Society
- Community Activities
 - Team Student Doctor – Phoenix, AZ and Sacramento, CA Dec 2015 – May 2019
Organized and performed sports physicals for athletes; serve as medical staff for high school and youth football games
 - Student Doctor, Rocky Point Medical Clinic – Puerto Peñasco, Mexico Jan 2016 – Jan 2019
Served the residents of Puerto Peñasco through a monthly medical clinic by utilizing my skills of Spanish and Medicine
 - Camp Counselor, Native Health Diabetes Education – Camp Verde, AZ May 2016 – Jun 2016
Mentored children aged 9-13 through camp activities, games, meals, songs, talent shows, and education sessions
 - Program Coordinator and CEO: Pepperdine Happy Feet Clinic, Inc. – Malibu, CA Mar 2014 – May 2015
Managed nonprofit organization dedicated to improving foot hygiene of those experiencing homelessness

I have reviewed the curriculum vitae for completeness and accuracy and agree with its content.
Professional references are available upon request.



Tanner Heckle, MD, MPH, MEd
8/5/25