

Jennifer Gauntt, MD, FAAP, FCCM

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EDUCATION AND TRAINING

- 2017 – 2018 **Children's National Health System (CNHS)**
Washington, DC
Pediatric Cardiac Critical Care Medicine Advanced Clinical Fellow
- 2014 – 2017 **Children's National Health System**
Washington, DC
Pediatric Critical Care Medicine (PCCM) Fellow
- 2010 – 2014 **Christiana Care Health System (CCHS)**
Sponsor: Jefferson Medical College
Affiliate: Al duPont Hospital for Children
Newark, DE
Combined Internal Medicine-Pediatrics Resident
Co-Chief Resident 2013-2014
- 2006 – 2010 **Georgetown University School of Medicine**
Washington, DC
Medical Doctorate
- 1998 – 2000 **George Washington University**
Washington, DC
Master of Science in Chemistry
- 1994 – 1998 **High Point University**
High Point, NC
Graduated *Summa cum Laude* with All University Honors
Bachelor of Science in Chemistry
Bachelor of Arts in Religion
Minor in Mathematics

PROFESSIONAL EXPERIENCE

- 2018 – present **Attending Physician – Cardiothoracic Intensive Care Unit (CTICU)**
Director – CTICU Quality Improvement
Nationwide Children's Hospital (NCH)
Columbus, OH
Assistant Professor of Pediatrics
Ohio State University
Columbus, OH
- Summer 2007 **Intern – HIV/AIDS Administration**
DC Department of Health
Washington, DC

- 2004 – 2006 **Forensic Chemist – Paints and Polymers**
Federal Bureau of Investigation
Quantico, VA
- 2001 – 2004 **Forensic Chemist – Drugs and Alcohol**
Maryland State Police
Pikesville, MD
- 1998 – 2000 **Research and Teaching Assistant – Chemistry Department**
George Washington University
Washington, DC

PROFESSIONAL CERTIFICATIONS/LICENSES

State of Ohio Medical License
Board Certification in Pediatric Critical Care Medicine, American Board of Pediatrics, 2018
Board Certification in General Pediatrics, American Board of Pediatrics, 2015
Board Certification in General Internal Medicine, American Board of Internal Medicine, 2014
Pediatric Advanced Life Support (PALS) certification
Advanced Cardiovascular Life Support (ACLS) certification

SCHOLARLY ACTIVITIES

Publications

- Gauntt J, Brandt S, Dolan K, Manley J, Tyner R, Beauseau W, Sinsic J. Sustaining Improvements in CLABSI Reduction in a Pediatric Cardiac Intensive Care Unit. *Pediatr Qual Saf.* 2022;7(4):e575-582.
- Bigelow AM, Ball MK, Galantowicz M, Fernandez RP, **Gauntt J**, Texter KM. Management of Hypertrophic Cardiomyopathy in a Newborn with Dextro-Transposition of the Great Arteries. *Pediatr Cardiol.* 2022;43:926-929.
- Lowry AW, **Gauntt J**, Taeb M, Schuette JJ. Preoperative Care of the Pediatric Cardiac Surgical Patient. In: Shaffner DH, Nichols DG (eds.). *Rogers' Textbook of Pediatric Intensive Care*. 6th edition. Philadelphia, PA: Lippincott Williams & Wilkins (In Press).
- Sinsic JM, Dolan K, Miller J, Yates AR, Fernandez R, Phelps C, Fitch J, Lee A, Lloyd E, **Gauntt J**, Gajarski R. Guidelines for diuretic utilization reduce high charge medications. *Pediatr Qual Saf.* 2019;4(6):e237-244.
- Gauntt J**, Vaidyanathan P, Basu S. Utilizing serum bicarbonate instead of venous pH to transition from intravenous to subcutaneous insulin shortens the duration of insulin infusion in pediatric diabetic ketoacidosis. *J Pediatr Endocrinol Metab.* 2019;32(1):11-18.
- Gauntt J**. Drug-induced eosinophilic pneumonia. *ACP Hospitalist.* November 2013, p24.
- Bradley MJ, **Gauntt J**, Mehlretter AH, Lowe PC, Wright DM. A validation study for vinyl electrical tape end matches. *J Forensic Sci.* 2011;56(3):606-611.
- Jolaosho T, **Gauntt J**, West-Ojo T, Castel AD, Selik RM, Durant T, Peters PJ, Tai E. Electronic record linkage to identify deaths among persons with AIDS — District of Columbia, 2000–2005. *MMWR.* 2008;57(23):631-634.
- Hobbs A, **Gauntt J**, Keagy R, Lowe P, Ward D. New approach for the analysis of duct tape backings. *For Sci Comm.* 2007;9(1).

Parvin L, Galicia MC, **Gauntt JM**, Carney LM, Nguyen AB, Park E, Heffernan L, Vertes A. Electrospray diagnostics by Fourier analysis of current oscillations and fast imaging. *Anal Chem.* 2005;77(13):3908-3915.

Gauntt JM, Vertes A. Current oscillations and droplet characterization in electrospray diagnostics. *Proc 48th ASMS Conf Mass Spectrom Allied Top.* 2000;142-143.

Galicia MC, **Gauntt JM**, Vertes A. Pulsation and mode switching in modulated and AC electrospray. *Proc 48th ASMS Conf Mass Spectrom Allied Top.* 2000;70-71.

International Presentations

Increasing Rates of Human Milk Feeds in CTICU Neonates: A Quality Improvement Initiative. Pediatric Cardiac Intensive Care Society Annual International Meeting, *Virtual Meeting*, Sept 2021

Postoperative Management of Tetralogy of Fallot. Mending Kids Virtual Education Symposium, Tanzania, Africa, Sept 2020

National Presentations

Reduction of Necrotizing Enterocolitis in Infants with Congenital Heart Disease on an Inpatient Cardiac Unit. Pediatric Acute Care Cardiology Collaborative Annual Meeting, Ann Arbor, MI, Nov 2019

A Transition-Criteria Protocol Change Shortens the Duration of Insulin Infusion in Pediatric DKA. Society of Critical Care Medicine Annual Congress, Honolulu, HI, Jan 2017

Glargine Early in DKA Treatment for New-Onset Type 1 Diabetes Shortens the Duration of Insulin Infusion. Society of Critical Care Medicine Annual Congress, Honolulu, HI, Jan 2017

Extremes of Body Mass Do Not Affect Outcomes in Critically-Injured Children. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 2014

Giant Bilateral Adrenal Masses in a Man with Untreated 21-hydroxylase-deficient Congenital Adrenal Hyperplasia. American College of Physicians Annual Meeting, Orlando, FL, Apr 2014

ColoRectal Assistance Program for Screening: CRAPS. American College of Physicians Annual Meeting, Orlando, FL, Apr 2014

A Clear-Cut Pneumonia Becomes Hazy. American Academy of Pediatrics National Conference and Exhibition, Boston, MA, Oct 2011 AND Society of Hospital Medicine National Conference, San Diego, CA, Apr 2012

Current Oscillations and Droplet Characterization of Electrospray Diagnostics. American Society for Mass Spectrometry Annual Conference, Long Beach, CA Jun 2000

Regional/Local Presentations

A Transition-Criteria Protocol Change Shortens the Duration of Insulin Infusion in Pediatric DKA. CNHS Research Week, Washington, DC, Apr 2017

Glargine Early in DKA Treatment for New-Onset Type 1 Diabetes Shortens the Duration of Insulin Infusion. CNHS Research Week, Washington, DC, Apr 2017

Improving Compliance Rate for Thromboprophylaxis in Critically Ill Adults Admitted to the PICU. CNHS Research Week, Washington, DC, Apr 2016

Extremes of Body Mass Do Not Affect Outcomes in Critically Injured Children. Academic Pediatric Association Region II and III Annual Meeting, New York, NY, Mar 2014 *and* Internal Medicine Grand Rounds, CCHS, Newark, DE, Jun 2014

Giant Bilateral Adrenal Masses in a Man with Untreated 21-hydroxylase-deficient Congenital Adrenal Hyperplasia. Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2014

ColoRectal Assistance Program for Screening: CRAPS. Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2014

Cyclical Urticaria Due to Breastfeeding Anaphylaxis. Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2013

A Clear-Cut Pneumonia Becomes Hazy. Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2012

An Introduction to the Paint Data Query Database. Mid-Atlantic Association of Forensic Scientists Annual Conference, Pittsburgh, PA, Mar 2005

Pyrolysis-GCMS of Nylon. Ion Cyclotron Resonance East Coast Conference, Wilmington, DE, Oct 1999

Quality Improvement

Co-Leader, Heart Center PROMISE (PRO-active Mitigation to decrease Serious adverse Events), NCH, Columbus, OH 2020-present

Leader, Heart Center Morbidity and Mortality, NCH, Columbus, OH, 2020-present

Increasing Rates of Human Milk Feeds in CTICU Neonates, NCH, Columbus, OH 2020-present

CTICU Quality Improvement Projects, NCH, Columbus, OH, 2018-present

Improving Compliance for VTE Prophylaxis in Critically Ill Adults Admitted to PICU, CNHS, Washington, DC, 2015-2016

Increasing Mammography Screening Rates in the Med-Peds Continuity Practice, CCHS, Newark, DE, 2013-2014

Creating Inpatient Discharge Instructions in Spanish, CCHS, Newark, DE, 2012

Increasing Colorectal Cancer Screening in the Med-Peds Continuity Practice, CCHS, Newark, DE, 2011-2014

Increasing Autism Screening in the Med-Peds Continuity Practice, CCHS, Newark, DE, 2010-2011

LEADERSHIP

CTICU Course Director – Residents and Fellows, NCH, Columbus, OH, 2021-present

Director of Quality Improvement, CTICU, NCH, Columbus, OH, 2020-present

ADDITIONAL QUALIFICATIONS

Educator Essentials: The NCH Educator Essentials Course is a 6-month certificate program designed to equip faculty and fellows with fundamental knowledge of clinical teaching and curriculum design to better prepare them for successful careers in medical education. Scholars gain practical skills in various areas of medical education, including teaching, learning, curriculum development, assessment, and educational leadership. By end of program scholars are required to develop a detailed competency based curricular proposal that addresses a gap in an area of personal interest. NCH, Columbus, OH, 2021

Quality Improvement Essentials: The Quality Improvement Essentials course (QIE) prepares staff to lead quality improvement projects. Participants learn how to (1) identify areas for improvement, (2) design interventions to address gaps between current and desired outcomes, (3) collect and analyze performance data, (4) report outcomes, and (5) sustain results. The course comprises 36 hours class time (9 four-hour sessions over ~ 16 weeks) plus project work and other assignments. NCH, Columbus, OH, 2020

Institute for Healthcare Improvement Open School: online courses in patient safety, quality improvement, and leadership, 2013

LEED-R: Leadership Excellence Education – Residents, Fellows: two-week course for intensive leadership development for an interdepartmental, interinstitutional group of select residents/fellows by providing practical knowledge, skills, and attitudes critical to becoming effective leaders, CCHS, Newark, DE 2013

Teaching Skills Workshop Series: ten-session course specifically designed for residents to improve teaching and feedback skills, CCHS, Newark, DE, 2013

Achieving Competency Today (ACT): Issues in Health Care Quality, Cost, Systems, and Safety: a twelve-week, graduate-level, interdisciplinary course that addressed systems-based practice, practice-based learning and improvement, health care economics, patient safety, and quality improvement, CCHS, Newark, DE, 2012

AWARDS AND HONORS

Clinical Excellence Award, PROMISE Team member, NCH, Columbus, OH Jan 2022

First Place, Poster Presentation “ColoRectal Assistance Program for Screening: CRAPS,” Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2014

Resident Silver Award, Quality Improvement Project “ColoRectal Assistance Program for Screening: CRAPS,” CCHS Focus on Excellence Awards, Newark, DE, Jan 2014

First Place, Poster Presentation “Cyclical Urticaria Due to Breastfeeding Anaphylaxis,” Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2013

Third Place, Poster Presentation “A Clear-Cut Pneumonia Becomes Hazy,” Delaware Chapter of American College of Physicians Annual Meeting, Newark, DE, Feb 2012

Benjamin Van Evera Award for most effective graduate teaching assistant in Chemistry, George Washington University, Washington, DC, May 2000

American Chemical Society Student Affiliates Distinguished Service Award, High Point University, High Point, NC, Apr 1997

High Point University Junior Marshall (top 20 students in the junior class), High Point, NC, May 1997

Most Outstanding Student in Organic Chemistry sponsored by the Polymer Education Committee of the Polymer Division of the American Chemical Society, High Point University, High Point, NC, Apr 1996

Dean’s List All Semesters, High Point University, High Point, NC, 1994-1998

TEACHING EXPERIENCE/LECTURES GIVEN

Congenital Cardiology Pathology Lab for First Year Medical Students – Ohio State University, Columbus, OH, Feb 2022

Financial Health Series: Public Service Loan Forgiveness – Pediatric Residents, NCH, Columbus, OH, Sep 2021

Postoperative Arrhythmias and Pacemakers – PICU Fellows, NCH, Columbus, OH, Sep 2021

Cardiac Emergencies – Cardiology Fellows, NCH, Columbus, OH, Jul 2020, Jul 2021

Financial Bootcamp – Cardiology Fellows, NCH, Columbus, OH, Jun 2021

CTICU Bootcamp – PICU and Cardiology Fellows, NCH, Columbus, OH, Jul 2020, Aug 2021

White Board Session – monthly calculations-based lecture for PICU and Cardiology Fellows, NCH, Columbus, OH, 2019-present

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CURRICULUM VITAE

Cardiac Cath: Mar 2019, Nov 2019, Aug 2020, Apr 2021, Oct 2021
Starling Curve and Cardiac Loops: Apr 2019, Jan 2020, Mar 2021, Dec 2021
Ventilator Scalars and Loops: Jun 2019, Dec 2019, Nov 2020, Jan 2022
Statistics: May 2019, Feb 2020, Sep 2020, Jun 2021, Jun 2022
Pharmacodynamics/kinetics: Aug 2019, Oct 2020, Jul 2021
ICU Calculations: Jul 2019, Mar 2020, Feb 2021
Capnography: Oct 2019, Dec 2020, Apr 2022
Fluid/Electrolytes/Nutrition: Sep 2019, Jun 2020, May 2021
Financial Bootcamp: Jan 2021, Feb 2022

CTICU Book Club – monthly discussion of textbook chapter for PICU and Cardiology Fellows, NCH, Columbus, OH
2019-present

Segmental Anatomy: March 2019, Jul 2019 (later incorporated into CTICU Bootcamp)
VSD: Sep 2019, Aug 2020, Aug 2021
TOF/PS and Absent Valve: Jun 2019, Feb 2020, Jan 2021, Oct 2021
AV Canal: Oct 2019, Sep 2020, Sep 2021
PA/IVS: Apr 2019, Jun 2020, Jun 2021, Feb 2022
Single Ventricle: May 2019, May 2020, May 2021, Mar 2022
Pulmonary Veins and Coronaries: Nov 2019, Oct 2020, Nov 2021
Coarctation and Interrupted Arch: Jan 2020, Nov 2020, Jan 2021
D-TGA: Apr 2022
Truncus Arteriosus: Jun 2022

Monthly and On-the-Spot Lectures for PICU Residents – various ICU topics including airway management, ventilators, sedation, diabetic ketoacidosis, CNHS, Washington, DC, 2014-2017

MS3 Quarterly Lectures – COPD and Asthma, CCHS, Newark, DE, 2013-2014

Instructor, FBI Course: Forensic Analysis of Paint and Tape, Quantico, VA, 2004-2006

Laboratory Instructor, Chemistry, George Washington University, Washington, DC, 1998-2000

PROFESSIONAL AFFILIATIONS

Pediatric Cardiac Intensive Care Society

Quality Improvement Subgroup Committee Member (2019-present)

Diversity, Equity, and Inclusion Subgroup Committee Member (2022-present)

Society of Critical Care Medicine

American Academy of Pediatrics