

CURRICULUM VITAE

Alina G. Burek MD

**Assistant Professor
Department of Pediatrics
Division of Hospitalist**

OFFICE ADDRESS:

Children's Hospital
9000 W Wisconsin Ave
Milwaukee, WI 53226

EDUCATION:

08/2005 - 06/2007 A.A., Montgomery County Community College, PA
09/2007 - 06/2010 B.S., Drexel University, PA
08/2010 - 05/2014 M.D., Drexel University College of Medicine, PA

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2014 - 06/2017 Internship and Residency, Pediatrics, Hospital Medicine, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226
09/2018 Academic Hospitalist Academy, Pediatrics, Hospital Medicine, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

FACULTY APPOINTMENTS:

07/2017 - Present Assistant Professor, Pediatrics, Hospital Medicine, Medical College of Wisconsin, 999 N. 92n Street, Wauwatosa, WI 53226

RESEARCH ADMINISTRATIVE APPOINTMENTS:

07/2009 - 08/2009 Summer Undergraduate Research Fellowship, Drexel University College of Medicine, Philadelphia, PA
04/2019 - 04/2022 Research Scholars Program, Academic Pediatric Association (national program, competitively selected)
09/2021 - Present Clinical Research Scholar Program (competitively selected), Clinical and Translational Science Institute, WI
05/2022 - Present Children's Hospital Association Health Services Research Academy (on-year long, online national program)

HOSPITAL STAFF PRIVILEGES:

07/2017 - Present Children's Wisconsin, 999 N. 92n Street, Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Pediatrics	10/2017	10/2027

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
PALS	AHA	07/2020	07/2024

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
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Wisconsin License

65034-20

10/31/2019

10/31/2023

AWARDS AND HONORS:

- 2009 First place, Undergraduate Research Poster Presentation, Discovery Day, Drexel University College of Medicine
- 2010 Senior First Honor, Drexel University
- 2010 Excellence in Tutoring Award, Drexel University
- 2011 - 2013 The Manuel Stamatakis Matching Gift Scholarship in Medicine, Drexel University College of Medicine
- 2012 - 2013 William Goldman Foundation Scholarship, Drexel University College of Medicine
- 2014 Alpha Omega Alpha
- 2017 Exemplary resident participation in RATs (Residents as Teachers), Pediatric Residency, Medical College of Wisconsin and Affiliated Hospitals
- 2017 Senior "Surfing" Champion , Pediatric Residency, Medical College of Wisconsin and Affiliated Hospitals
- 2019 Academic Pediatric Association Research Scholar Program (One of 10 scholars selected from national search)
- 2020 - 2021 Outstanding Medical Student Teaching Pin, Pediatric Clerkship, Medical College of Wisconsin

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

- 08/2010 - 06/2017 American Medical Association
- 04/2014 - Present Alpha Omega Alpha Medical Honor Society
- 07/2014 - Present American Academy of Pediatrics
- 09/2018 - Present Academic Pediatric Association

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

- Journal Review
 - 12/2019 - Present Clinical Abstract Reviewer, Society of Hospital Medicine annual meeting
 - 10/2020 Journal of Pediatric Hematology/Oncology
 - 09/2021 Journal of Hospital Medicine
 - 07/2022 - Present Journal of Hospital Medicine

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 2018 - 2019 Local Site Team Member, Pathway for Improving Inpatient Pediatric Asthma Care (PIPA),,), National Qualitative Improvement Collaborative, American Academy of Pediatrics, Value in Inpatient Pediatrics (VIP) Network
- 2020 - 2021 Local Site Co-leader, Better Antibiotics Selections in Children (BASiC), National Qualitative Improvement Collaborative,, American Academy of Pediatrics, Value in Inpatient Pediatrics (VIP) Network

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Improving Antibiotic Prescribing Patterns in Pediatric Patients with Orbital Cellulitis/Abscess
Source:	CHW IRB Non-Human Subject Research approved CW Improving Health in Kids Award 2021
Role:	Principal Investigator
Dates:	01/2021 - 12/2022
Direct Funds:	\$7,300 (This project's objective is to decrease use of unnecessary antibiotics in pediatric patients with orbital cellulitis and abscess)

Title: Grant
Role: Principal Investigator
Dates: 01/2022 - 12/2022
Direct Funds: \$47,586 (This project's objective is to test the feasibility of a full-scale effectiveness trial comparing PICCs to LPCs in hospitalized pediatric patients)

Title: Comparing Peripherally Inserted Central Catheters to Long Peripheral Catheters for non-central vascular access indications - a Clinical Effectiveness Pilot Trial in pediatrics (ComPLET)
Source: CHW IRB Human Subject Research pending Children's Research Institute Innovative Research Pilot

Non-Peer Review

Title: Reducing severe complications associated with PICCs by introducing the use of Long peripheral catheters/Midlines in the hospitalized pediatric patient
Source: CHW IRB Non-Human Subject Research approved, no funding
Role: Co-Investigator
Dates: 01/2019 - Present

Title: Evaluation and management of orbital cellulitis pre- and post-implementation of new Clinical Practice Guidelines
Source: CHW IRB Non-Human Subject Research approved
Role: Co-Investigator
Dates: 06/2019 - Present

Prior

Non-Peer Review

Title: Practices for advancing diet and nutritional care in the hospitalized child
Source: Department of Pediatrics, MCW, internal funding
Role: Co-Investigator
Dates: 01/2018 - 06/2019

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

- Burek AG, 14-year-old girl with emesis and fever, Professor Rounds, Department of pediatrics, Medical College of Wisconsin, Milwaukee, 04/20/2017
- Burek AG and Ullman A., Improving the Safety of Vascular Devices., Pediatric Grand Rounds, Department of Pediatrics, Medical College of Wisconsin, 05/13/2022
- Burek AG, Opportunities for Improving the Selection of Vascular Access Devices and their Complications, Children's Research Institute Conference, Children's Wisconsin, 11/18/2022

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

- Burek AG and Saudek K, Improving junior medical student pediatric knowledge and satisfaction with resident teaching using premade teaching resources. Poster presentation, PHM Conference, Atlanta, GA, 2018
- Burek AG, Nutritional advancement in the hospitalized child after NPO – a retrospective cohort study. Poster presentation, PAS, Baltimore, MD, 2019
- Burek AG, Tregoning GV, Liegl M, Pan A, Havens P, The Association of Inflammatory Markers with Surgical Intervention in Patients with Orbital Cellulitis/Abscess. Poster presentation, PAS, Virtual, 2021
- Burek AG, Tregoning GV, Melamed S, Prevalence of Methicillin-Resistant Staph Aureus in Pediatric Orbital Cellulitis/Abscess Across the United States. Poster presentation, PAS, Virtual, 2021
- Burek, AG, et al., Use of Long Peripheral Catheters in Children – A Single Center Experience. Poster presentation., PAS Conference, Denver, CO, 2022
- Burek, AG, et al, Reducing the Inappropriate Use of Peripherally Inserted Central Catheters in Pediatrics – Who are the Affected Children? Poster presentation, PAS Conference 2022, Denver, 2022

COMMITTEE SERVICE:

Medical College of Wisconsin

- 07/2014 - 06/2017 Resident Member, Resident Advisory Program Committee, Pediatric Residency
- 11/2017 - Present Member, SPS VTE project, Department of Pediatrics, Children's Hospital of Wisconsin
- 11/2017 - Present Member, QI subcommittee, Division of Pediatric Hospital Medicine, Department of Pediatrics, Medical College of Wisconsin
- 10/2018 - 05/2019 Member, DOP Scholarly Activity Committee
- 2018 - 2020 Co-Lead, Junior Faculty Development Committee, Division of Pediatric Hospital Medicine, Department of Pediatrics, Medical College of Wisconsin
- 2018 - 2021 Chair, Wellness and Engagement Committee, Division of Pediatric Hospital Medicine, Department of Pediatrics, Medical College of Wisconsin
- 07/2019 - 12/2020 Lead Faculty, Perceptual and Orbital Cellulitis Clinical Practice Guideline Workgroup, Pediatrics, Medical College of Wisconsin
- 12/2019 - Present Society of Hospital Medicine Meeting Abstract Reviewer, Hospital Medicine, Pediatrics, Medical College of Wisconsin
- 10/2020 - Present Member, Faculty Development Subcommittee, Pediatric Hospital Medicine, Pediatrics, Medical College of Wisconsin

Hospital

- 2019 - 2021 Co-Chair, Midline Catheter Program Development Committee, Children's Wisconsin
- 08/2021 - Present Co-chair, Venous Thromboembolism hospital Acquired Conditions Committee (member since 11/2017), Children's Wisconsin
- 2022 - Present Member, Solutions for Patients Safety Steering Team, Children's Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

- 07/2017 - Present Clinical preceptor, Inpatient clerkship for MS3 and MS4
- 12/2017 - 06/2021 H&P grader for MS-3 during their pediatric ward rotation.
- 06/2021 - 07/2021 Research preceptor, Medical Student Summer Research Program, Department of Pediatrics
- 2021 - Present Research preceptor, Medical Student Research Pathway Program
- 04/2022 Presenter, PL2 Resident Retreat Financial literacy – Investing

Resident and Fellow Education

- 11/2017 - 06/2019 Facilitator, Resident Simulation and Mock Codes, Intern Orientation
- 08/2018 - Present Facilitator, Resident Serious Senior Surfing (Board Prep), Inflammatory Bowel Disease and Diarrhea (1-hour lecture per year)
- 10/2018 Presenter, Resident noon conference lecture. Nutritional deficiencies.

05/2021 - 07/2021 Presenter, Resident noon conference lectures. Financial Wellness – The Basics
05/2021 Presenter, Fellow Journal Club - Comparative effectiveness research
05/2021 Presenter, Fellow Journal Club. Comparative effectiveness research
07/2021 Presenter, Resident noon conference lectures. Financial Wellness – Investing
12/2021 Presenter, Fellow Core Conference. Head and Neck Infections

Continuing Medical Education

02/2020 Presenter, APP learning session. Pediatric Preseptal and Orbital Cellulitis

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Resident

05/2021 - Present Resident Financial Literacy Curriculum (5 one-hour session per year)

COMMUNITY SERVICE ACTIVITIES:

03/2011 - 03/2012 Student Recruitment Coordinator, Eliza Shirley Clinic (homeless shelter), Philadelphia, PA

07/2011 - 07/2012 Medscholar (Gross Anatomy tutor), Drexel University College of Medicine, Philadelphia, PA

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Burek AG, Liljestrom T, Porada K, Matschull L, Pan A, Havens PL, Goday PS. Nutritional Advancement in the Hospitalized Child After NPO: A Retrospective Cohort Study. *Hosp Pediatr*. 2020 Jan;10(1):90-94. doi: 10.1542/hpeds.2019-0251. PMID: 31882443
2. Burek AG, Parker J, Bentzien R, Talbert L, Havas M, Hanson SJ. The Development of a Long Peripheral Catheter Program at a Large Pediatric Academic Center: A Pilot Study. *Hosp Pediatrics*. 2020 Oct;10(10):897-901. doi: 10.1542/hpeds.2020-0181. PMID: 32998934.
3. Lehrer B*, Pronko K, Burek AG. Ulcerated Arm Lesion in a 10-day-old Girl. *Pediatr Rev*. 2021 Jan;42(Suppl 1):S93-SS96. doi: 10.1542/pir.2019-0267. PMID: 33386373
4. Burek AG, Melamed S, Liljestrom T, Qi J, Kelly TG, Suelzer E, Mitchell M, Harris GJ, Havens PL. Evaluation and Medical Management of the Pediatric Patient With Orbital Cellulitis/Abscess: A Systematic Review. *J Hosp Med*. 2021 Nov;16(11):680-687. doi: 10.12788/jhm.3707. PMID: 34730499
5. Burek AG, Liljestrom T, Dundon M, Shaughnessy EE, Suelzer E, Ullman A. Long peripheral catheters in children: A scoping review. *J Hosp Med*. 2022 Dec;17(12):1000-1009.
6. Hamel BL, Mason SF, Burek AG, Holland KE. A Rare Case of Acne Medication-Induced Drug Reaction With Eosinophilia and Systemic Symptoms. *WMJ*. 2022 Oct;121(3):E53-E56.
7. Burek AG, Tregoning VG, Liegl M, Pan A, Harris GJ, Havens PL. Pediatric Orbital Cellulitis/Abscess – Microbiology and Patterns of Antibiotic Prescribing. *WMJ*. 2022. Accepted.
8. Burek AG, Shaughnessy EE. Raising the bar for vascular access research. *J Hosp Med*. 2023 Jan;18(1):107-108.

Books, Chapters, and Reviews

1. Nocton J and Gedeit R: On call: Pediatrics, Elsevier, 4th edition. 2018. Chapter 31: Vomiting.
2. Burek AG and Ullman A. Peripheral and Central Vascular Access. Book Chapter. *Comprehensive Pediatric Hospital Medicine* textbook. Third Edition. 2022. In press.

Non-Refereed Journal Publications/Original Papers

1. Burek, A. Breastfeeding in residency. *Pediatric News*. September 2016.

Abstracts

1. Chiu M, Fortuna N and Burek A. My Head Hurts - A Bowhunter's Story. Poster. SHM Conference 2018, Orlando FL
2. Mehta S, Burek A. and McCarthy J. Hand-Foot-Mouth Disease Gone Wild? - a case of parechovirus encephalitis. Poster. AMA Research Symposium 2017, Hawaii
3. Burek A and Saudek K. How Can I Help You?...Improving a Residents as Educators Curriculum Using Medical Student Feedback. Poster. Innovations in Medical Education 2017, MCW, Milwaukee, WI
4. Tregoning GV*, Burek AG, Liegl M, Pan A, Havens P. The Association of Inflammatory Markers with Surgical Intervention in Patients with Orbital Cellulitis/Abscess. Poster. SHM Virtual Conference 2021.
5. Tregoning GV*, Melamed S, Burek AG. Prevalence of Methicillin-Resistant Staph Aureus in Pediatric Orbital Cellulitis/Abscess Across the United States. Poster. SHM Virtual Conference 2021.
6. Fortuna N*, Chiu M* and Burek AG. My Head Hurts – A Bowhunter’s Story. Poster. PHM Conference 2018, Atlanta GA
7. Burek AG and Saudek K. Improving junior medical student pediatric knowledge and satisfaction with resident teaching using premade teaching resources. Poster. APPD Conference 2018, Atlanta, GA and PHM Conference 2018, Atlanta, GA
8. Burek AG et al. Nutritional advancement in the hospitalized child after NPO – a retrospective cohort study. Poster. PAS 2019, Baltimore, MD.
9. Cooper B*, Mitchell M, Melamed S, Pan A, Liegl M, Burek AG. Opportunities for antibiotic stewardship in pediatric preseptal cellulitis. Poster. MSSRP conference Sept 2022, Chicago IL

Database, Video, or Other Research/Clinical Contributions

1. Burek A et al. Failure to Thrive. Clinical Practice Guidelines. Children's Hospital of Wisconsin/Medical College of Wisconsin. February 2019.
2. Burek A et al. Preseptal and Orbital Cellulitis. Clinical Practice Guideline. Children's Wisconsin/Medical College of Wisconsin. December 2020.