

SHILPA NARAYAN, MD

ASSISTANT PROFESSOR

DEPARTMENT OF PEDIATRICS, SECTION OF CRITICAL CARE MEDICINE

Education

- 08/2006 – 05/2010 M.D., University of Illinois, College of Medicine, Peoria, IL
- 08/2003 – 06/2006 B.S. in Chemistry with High Honors, University of Illinois, Urbana-Champaign, IL
- 08/2002 – 06/2003 Undergraduate, New York University, New York, NY

Post Graduate Training

- 07/2013 - 06/2016 Fellowship, Pediatric Critical Care Medicine, Johns Hopkins University
Baltimore, MD
- 07/2010 – 06/2013 Residency, Pediatrics, University of Chicago Comer Children's Hospital
Chicago, IL

Post Graduate Coursework

- 11/2023-10/2024 Women's Leadership Learning Collaborative, Medical College of Wisconsin, Center for Advancement of Women in Science and Medicine, Milwaukee, WI
- 04/2020 Advanced Instructor Workshop for Medical Simulation, Center for Medical Simulation, Harvard University, Boston, MA, *Attended virtually*
- 08/2019 Society of Critical Care Medicine: Pediatric and Neonatal Critical Care Ultrasound Workshop, Chicago, IL
- 05/2019 Comprehensive Instructor Workshop for Medical Simulation, Center for Medical Simulation, Harvard University, Boston, MA
- 07/2018-06/2019 Graduate, KINETIC3 Teaching Academy Program, Kern Institute for Medical Education, Milwaukee, WI
- 10/2018 Chief Question Officer Certificate Program, Baltimore, MD
- 04/2017 Department of Pediatrics Annual Grant Writing Workshop, Medical College of Wisconsin, Milwaukee, WI
- 08/2014 Anesthesia and Critical Care Medicine Point of Care Ultrasound Course, Johns Hopkins University School of Medicine, Baltimore, MD

Board Certifications

- 11/2013-present General Pediatrics, American Board of Pediatrics
- 11/2016-present Pediatric Critical Care Medicine, American Board of Pediatrics

Licensure

- 04/2016 – Present Medical License, State of Wisconsin
12/2024 – Present Medical License, State of California

Faculty Appointments

- 08/2016 – 03/2025 Assistant Professor, Department of Pediatrics, Division of Critical Care Medicine, Medical College of Wisconsin (MCW)/Children's Wisconsin (CW), Milwaukee, WI

Administrative Appointments

- 07/2022 – 01/2025 Fellowship Program Director, Pediatric Critical Care Fellowship, Medical College of Wisconsin, Milwaukee, WI
07/2018 – 06/2022 Associate Program Director, Pediatric Critical Care Fellowship, Medical College of Wisconsin, Milwaukee, WI
10/2017 – 06/2022 Co-Director, Pediatric Neurocritical Care Program, Section of Pediatric Critical Care, Medical College of Wisconsin, Milwaukee, WI

Programmatic Development

- 11/2019 - 01/2025 Midwest Sadie Abel Advanced PICU Fellow Simulation Bootcamp, Director, Annual Event, Three-day educational conference with a mix of advanced simulations, skills stations and didactics with fellow participants from across the Midwest region. Milwaukee, WI

Teaching and Clinical Care

Clinical Teaching Responsibility

- 08/2016 - 02/2025 MCW Pediatric Critical Care Fellows supervision in Pediatric Intensive Care Unit
08/2016 - 02/2025 MCW Pediatric Residents supervision in Pediatric Intensive Care Unit
08/2016 - 02/2025 MCW Medical Students supervision in Pediatric Intensive Care Unit

Other Teaching Experience

Medical Student Teaching Experience

- 03/2018 MCW Bench-to-Bedside Educational Course, M1 medical students, Milwaukee, WI
10/2017 MCW Medical Student Research Day, Poster Judge, Milwaukee, WI

Resident and Fellow Teaching Experience

07/2022 - 02/2025	MCW PCCM Fellowship Monthly Simulation Lab, Director & Instructor
07/2022 - 02/2025	MCW PCCM Fellowship Core Physiology Lecture Series, Director & Lecturer
09/2019 - 02/2025	MCW Regional Pediatric Anesthesia Fellow Simulation Bootcamp, Instructor, Annual event
07/2019	Pediatric Fundamental Critical Care Support Course, Society of Critical Care Medicine, Instructor
02/2019	MCW Pediatric Intern Retreat: Code Team Leadership Training, Instructor
07/2018 - 02/2025	MCW PCCM Fellowship Board Review Course, Lecturer
07/2018 - 06/2023	MCW Pediatric Critical Care Bedside Rounds Course: Director & Instructor

Continuing Medical Education

11/2017 - 06/2022	MCW Pediatric Neurocritical Care Multidisciplinary Case Conference, Director and Lecturer, CME/MOC accredited
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Nursing/APP Education

10/2023	Children's Wisconsin Nursing Bedside Clinical Curriculum, Traumatic Brain Injury assessment and management, Lecturer, Milwaukee, WI
02/2019	MCW Pediatric Critical Care Nurse Practitioner Airway Bootcamp, Instructor, Milwaukee, WI
07/2015 - 06/2016	Johns Hopkins PICU nursing monthly simulation education, Instructor, Baltimore, MD

Trainee Mentorship at Medical College of Wisconsin

07/2021-06/2024	Scholarship Oversight Committee, Krista Parran, PCCM fellow
07/2020-06/2023	Scholarship Oversight Committee, Fatima Ajmal, PCCM fellow
07/2020-06/2023	Scholarship Oversight Committee, Christena McBride, PCCM fellow
07/2019-06/2022	Scholarship Oversight Committee, John Benson, PCCM Fellow
07/2019-06/2022	Scholarship Oversight Committee, Kathryn Higdon, PCCM fellow
07/2018-06/2021	Scholarship Oversight Committee, Ashwini Bhat, PCCM fellow
07/2018-06/2021	Scholarship Oversight Committee, Ali Hemyari, PCCM fellow
07/2018-06/2021	Scholarship Oversight Committee, Palak Shah, PCCM fellow
07/2018-06/2020	Scholarship Oversight Committee, Ira Shukla, PCCM fellow
10/2016-06/2019	Scholarship Oversight Committee, Jodi Garvin, Neonatology fellow

Clinical Responsibility and Appointments

08/2016 - 02/2025 Attending Physician, Children's Wisconsin, 7-14 weeks per year

Committee Positions

2023-2025 Graduate Medical Education Committee, Member, Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI

2023-2025 Program Review Subcommittee, Member, Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI

2023-2024 PICU 44-Bed Transition Planning Committee, Member, Section of Critical Care, Children's Wisconsin, Milwaukee, WI

2022-2024 PICU Medical Directors Cabinet, Fellowship Director, Section of Critical Care Children's Hospital of Wisconsin, Milwaukee, WI

2022-2025 Program Evaluation Committee, Director, Pediatric Critical Care Fellowship Program, Medical College of Wisconsin, Milwaukee, WI

2022-2025 Clinical Competency Committee, Director, Pediatric Critical Care Fellowship Program, Medical College of Wisconsin, Milwaukee, WI

2021-2025 PICU Unplanned Readmission Review Committee, Member, Section of Critical Care, Children's Hospital of Wisconsin, Milwaukee, WI

2020-2025 PICU Code Review Steering Committee, Member, Section of Critical Care, Children's Hospital of Wisconsin, Milwaukee, WI

2018-2022 Professional Review Committee, Member, Children's Hospital of Wisconsin, Milwaukee, WI

2017-2022 Program Evaluation Committee, Associate Program Director, Pediatric Critical Care Fellowship Program, Medical College of Wisconsin, Milwaukee, WI

2017-2022 Clinical Competency Committee, Member, Pediatric Critical Care Fellowship Program, Medical College of Wisconsin, Milwaukee, WI

2015-2016 Pediatric Transport Team, Fellow Administrator, Johns Hopkins Children's Hospital, Baltimore, MD

2011-2013 Pediatric Residency Education Council Member, University of Chicago, Chicago, IL

Professional Service

07/2013-Present Society of Critical Care Medicine, Member

07/2010-Present American Academy of Pediatrics, Member

07/2018-Present Association of Pediatric Program Directors, Member

07/2019-Present International Pediatric Simulation Society, Member

Scholarly Publications

Peer-reviewed journal articles (Original Research)

1. Uncommon Etiologies of Shock. (**Narayan S**, Petersen TL) Crit Care Clin 2022 Apr;38(2):429-441 PMID: 35369955 SCOPUS ID: 2-s2.0-85127326982 04/05/2022
2. Physical Rehabilitation in Critically Ill Children: A Multicenter Point Prevalence Study in the United States. (Kudchadkar SR, Nelliott A, Awojoodu R, Vaidya D, Traube C, Walker T, Needham DM, **Prevalence of Acute Rehabilitation for Kids in the PICU (PARK-PICU) Investigators and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network**) Crit Care Med 2020 May;48(5):634-644 PMID: 32168030 PMCID: PMC7539558 SCOPUS ID: 2-s2.0-85083569774 03/14/2020
**Site PI; collected and submitted data from one center; contributed on collaborative multi-center meetings.*
3. Cerebellar injury and impaired function in a rabbit model of maternal inflammation induced neonatal brain injury. (Zhang Z, **Narayan S**, Su L, Al-Alawyat H, Liu J, Kannan S) Neurobiol Learn Mem 2019 Nov;165:106901. Epub 2018 Jul 24 PMID: 30016703 07/18/2018
**Participated extensively in the trial design, preparation and analysis of the histology slides, and data analysis. Contributed to the authorship of all section of the manuscript.*

Books Chapters

1. **Narayan S**, Willie C. Chapter 39: Cardiopulmonary Resuscitation. In: Clinical Pediatric Anesthesiology, McGraw-Hill, Ellinas H, Matthes K. 1st Edition, 2021
<https://accessanesthesiology.mhmedical.com/content.aspx?bookid=2985§ionid=250593020>

Abstracts

1. Dec 2022, Nelson-McMillan K, **Narayan, S**, "Pediatric Cardiac Simulation Education During the Pandemic: Virtual and In-Person Boot Camps." Poster Presentation. Pediatric Cardiac Intensive Care Society Annual International Meeting. Miami, FL
2. Jan 2023, Ajmal FQ, **Narayan S**, Hanson SJ, Yan K, Balakrishnan B, The Role of Neurological Pupil Index in Pediatric Patients with Severe Traumatic Brain Injury. Poster Presentation. Society of Critical Care Congress, San Francisco, CA
3. June 2013 Reuler A, **Narayan S**, Bubeck-Wardenburg J, Kulkarni R, Gozal L. Body Mass Index (BMI) during Pediatric Residency: An investigation of the impact of irregular and shortened sleep. Pediatric Research Day. Abstract Poster Presentation. Chicago, IL

Invited Presentations

Regional Meeting

- 05/2022 Razjer-Wakeham, K; **Narayan, S**. Quality CPR: What's the deal? Wisconsin Regional Pediatric Critical Care Consortium, 4th Annual Convention, Marshfield, WI. Given virtually

09/2023 Nelson-McMillan, K; **Narayan, S**; Eydelman, L. ECMO Simulation: Adolescent Heart Failure, SCCM Midwest Chapter: 4th Annual Critical Care Conference, Chicago, IL

National Meeting

04/2016 **Narayan, S**; Zhang, Z; Nance, E; Kannan, S; *Cerebellar Inflammation and Dysfunction in a Rabbit Model of Cerebral Palsy*; Pediatric Academic Society (PAS) Annual Meeting, Poster Symposium, Baltimore, MD

Presentations

National/Regional Educational Workshops

12/2021-Present Advocate Children's Hospital, Pediatric Critical Care and Cardiology Fellow Cardiac Bootcamp, Instructor and Curriculum Design, Annual Event, Chicago, IL

11/2018-Present Johns Hopkins Sadie Abel Advanced PICU Fellow Simulation Bootcamp, Instructor and Curriculum Design, Annual Event, Baltimore, MD

07/2018-Present Washington University Pediatric Critical Care Regional Fellow Bootcamp, Instructor, Annual Event, Baltimore, MD

Global Health

2014, 2016 On Our Way Foundation, Siem Reap, Cambodia. Physician Volunteer. Participated in two 1-week mission trips. Alongside a multidisciplinary team, provided post-operative ICU care for children with congenital heart disease undergoing cardiac catheterizations and open-heart surgery on children.

2010 Child Family Health International, Quito, Ecuador. Student Volunteer. Participated in a one week intensive medical Spanish course. Shadowed a variety of physicians at different clinic and hospital sites in Quito, with an emphasis on pediatrics over 3 weeks.

2008 KK Agarwal Children's Clinic, Kashipur, India. Student Volunteer. Participated in the assessment and diagnosis of children in inpatient and outpatient settings, gaining exposure to illness and infectious diseases endemic to the area and administered needed vaccinations.