



ANDREW UNGER, M.D.
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Award-winning neonatologist (newborn intensive care physician) in active clinical practice. Treated what were (1994) the smallest surviving premature twins ever as attending physician. First use of NO (nitric oxide) for pulmonary hypertension (1995) and therapeutic hypothermia for neonatal brain injury (2008) in a community neonatal intensive care unit (NICU) in Pennsylvania. Extensive NICU administrative experience including quality assurance and root cause analysis of newborn morbidity and mortality. Patented inventor. 35+ years expert witness experience.

PROFESSIONAL EXPERIENCE

Raritan Bay Medical Center, Perth Amboy, NJ

Chief Neonatology

2025-Present

Attending Neonatologist

2019-2025

In charge of Level 2 NICU. Clinical care from resuscitation at birth to discharge home - or transfer to Level 3-4 NICU. Reviews all neonatal complications to ensure adherence to Standard of Care - with focus on potential areas for Quality Improvement - including nursing education, as well as opportunities for improving communication among members of the physician care team.

Sacred Heart Hospital, Allentown PA

2013-2017

Chairman Department of Pediatrics

Director, Division of Neonatology

Set high quality standards and managed the care of pediatric and neonatal patients with a wide range of complex medical illnesses while supervising a team of residents, nurses, and PA students at this teaching hospital. Care for patients with critical medical issues. Review cases and instruct medical residents on patient management as part of the teaching process; address key quality of care issues and patient complaints, address and manage systems difficulties related to adoption and use of the Electronic Medical Record.

- Conducted research and worked on a newborn lead detection regimen as well as commercialization of a NICU patient hearing protection device.
- After demonstrating technical expertise, routinely created strong relationships and trust with parents, while delivering compassionate care. Saw some 'children' more than 20 years after our first encounter in NICU.
- Addressed and resolved a recordkeeping error that threatened to render hundreds of thousands of dollars' worth of vaccines null and void and created significant liability concerns. Employed a collaborative and proactive approach to quickly resolve the problem. Worked closely with administration and the hospital general counsel to draft a response that satisfied state regulators and the community, and resulted in revaccinating fewer than 20 patients out of a possible 3,000.
- Respected for applying proactive and collaborative approach in problem solving; brought about change by identifying the clinical problem, suggesting viable strategies to residents, nurses, PA students, and encouraging brainstorming on issues including NO, therapeutic hypothermia, jet ventilators, developing newborn lead screening, and NICU noise control.

St. Luke's Hospital, Bethlehem PA	
<u>Neonatologist, St. Luke's Physician Services</u>	2001-2012
<u>Neonatologist, St. Luke's Neonatal Associates</u>	1990-2001
<u>Director, Infant A.L.T.E, Sleep Apnea Clinic</u>	1988-2012
<u>Chief, Section of Neonatology, St. Lukes, Department of Pediatrics</u>	1986-2012
Founded and ran what was widely considered to be a leading community hospital Level-3 NICU for over 25 years. Chaired an active IRB that ran efficiently and made no obvious mistakes for more than a decade. Recognized as an expert in informed consent issues.	
<ul style="list-style-type: none"> • <u>Treated the smallest surviving premature twins ever in 1994 as attending physician.</u> Remained in touch with these patients (413 and 509 grams birth weight) who are now both productive members of the workforce. • Credited for <u>first use of nitric oxide in the treatment of pulmonary hypertension in 'non-academic' NICU in PA</u> in 1995. • Provided primary care to pediatric HIV-positive patients throughout the 1980s and 1990s when no one else wanted to in the Lehigh Valley. Established and supervised the protocol to prevent perinatal HIV transmission within the Network - resulting in NO NEW HIV + PEDIATRIC PATIENTS during tenure. • Initiated and managed the largest service in the area to support sick newborns who needed to go home on HR/RR monitors. • Earned recognition for the <u>first use of therapeutic hypothermia for neonatal brain injury in a 'non-academic' NICU in PA</u> (2008). • Serves as equity partner and medical advisor to Neatcap LLC, a corporation that has developed earmuffs that provide a practical solution to NICU and MR Noise Pollution. 	

Yuma Pediatrics Ltd, Yuma, AZ	1983-1984
<u>Pediatric Associate</u>	

LICENSES

License, Pennsylvania, MD, 036075E	since 1986
License, New Jersey, MD 2SMA07741700	since 2004

CERTIFICATIONS

Certification, American Board of Pediatrics, Pediatrician	since 1986
Certification, American Board of Pediatrics, Neonatal-Perinatal Medicine	since 1987
Certification, AHA NRP Provider	since 2012
Certification, AHA Neonatal Resuscitation Instructor	1990-2012
Certification, American Board of Pediatrics, Sleep Medicine	2007

HOSPITAL APPOINTMENTS

Raritan Bay Medical Center, Perth Amboy, NJ	2019- present
Sacred Heart Hospital, Allentown, PA	2013-2017
St. Luke's Hospital, Bethlehem Campus, Bethlehem, PA	1987-2012
St. Luke's Hospital, Allentown Campus, Allentown, PA	1994-2012
Dos Palos Memorial Hospital, Dos Palos, CA	1985-1986
Yuma Regional Medical Center, Yuma, AZ	1983-1984

EDUCATION

University of California-Davis, Division of Neonatology, Department of Pediatrics, Sacramento, CA <u>Neonatal Fellow</u>	1984-1986
Arizona Health Sciences Center, Tucson, AZ <u>Residency, Pediatrics</u>	1981-1983

Arizona Health Sciences Center, Tucson, AZ <u>Internship, Pediatrics</u>	1980-1981
University of California, Los Angeles, CA <u>Medical Doctor</u>	1976-1980
Columbia University, New York, NY <u>Bachelor of Arts</u>	1972-1975

MEDICAL STAFF COMMITTEES

Neonatal Representative , Baby Friendly Hospital Task Force, Perth Amboy Raritan Bay Medical Center	2025-Present
Member , Medical Executive Committee and Quality Improvement Committees, Sacred Heart Hospital	2013-2017
Member , Neonatal/Perinatal Risk Reduction Committee, St. Luke's Hospital & Health Network	2002-2012
Chairman , Institutional Review Board, St. Luke's Hospital & Health Network	1998-2012
Member , Perinatal Ethics Consultation Committee, St. Luke's Hospital & Health Network	1998-2010

HONORS

Sacred Heart Family Practice Residency <u>Preceptor of the Year Award</u>	2016
PA Sierra Club, Bethlehem, PA <u>Environmental Star Award</u>	2016
St. Luke's Regional Resource Level-1 Trauma Center, Night of Heroes, Bethlehem, PA <u>Honoree</u>	
Lehigh Valley Hispanic HIV AIDS Coalition, Bethlehem, PA <u>Service Award</u>	2000
University of California, Los Angeles, Pediatric Clerkship, Los Angeles, CA <u>Honors, Phi Beta Kappa Honor Society</u>	1979
Columbia University, New York, NY <u>Summa Cum Laude</u>	1975
<u>John Jay Scholar</u>	1972

SOCIETIES

Fellow , American Academy of Pediatrics	
Fellow , Neonatal/Perinatal Medicine Section, AAP	1988-present

COMMUNITY SERVICE

Medical Advisor and Voting Member , Executive Committee, Lehigh Valley Sierra Club, Bethlehem, PA	2010-Present
Member , Technical Advisory Board, Newborn Metabolic Screening, PA Department of Health, Harrisburg, PA	2000-2015
Director , St. Luke's Pediatric HIV Clinic, Bethlehem, PA	1988-2007
Physician Advisor , Special Olympics, Bethlehem, PA	1986-2000
Physician Advisor , Special Olympics, Yuma, AZ	1984

PATENTS AND TRADEMARKS

U.S. Patent #10,413, 696 B2 Medical Headgear Neatcap LLC	2019
U.S. Trademark, <u>The Environmental Evaluation Card</u> <i>Used to test newborns for possible exposure to lead and carcinogens, in coordination with current newborn medical screening protocols.</i>	2016
U.S. Patent #7,878,968, Sensory Developmental Cap Neatcap LLC	2005

PUBLICATIONS

1. **Unger A**, et al. "Atypical Neonatal Respiratory Syncytial Virus Infection; 100(5):762 -764 Journal of Pediatrics, May 1982.
2. **Unger A**, et al. "Post-Operative Metabolic Alkalosis in a Neonate: Treatment with Hydrochloric Acid Infusion." Clinical Pediatrics 24:(8) 444 446, August 1985.
3. **Unger A**, Goetzman BW. "Nutritional Practices and Outcome of Extremely Premature Infants." Am J Dis Child 140;(10):1027-1033, October 1986.
4. **Unger, A**, et al. "Greater Effort Required to Shield Neonatal Intensive Care Patients from Noise," Neonatal Intensive Care, Volume 35, Number 1, Summer 2022.
5. **Unger, A**, et al. "NICU Noise: 50 Years of Worry and We're Finally Getting Somewhere!," Neonatal Intensive Care: Volume 35, Number 3, Winter 2022.

ABSTRACTS

1. **Unger A**, Vogel J, and Arcona S. "Proposed guidelines for asymptomatic infants found to have prolonged QTc on electrocardiography." American Academy of Pediatrics, Neonatal Meeting, Washington, DC, Oct. 8, 1999.
2. **Unger A**, Goetzman BW, Chan C, Lyons A, and Miller MF. "Parenteral nutrition: Toxic to the very, very low birthweight infant?" Pediatric Research 20(4) (Part 2): 1555A, April 1986.
3. **Unger A**, Chan C, and Goetzman BW. "Nosocomial infection in very, very low birth weight Infants (WLBW) effects of route of administration of parenteral nutrition (PN) and timing of pathogen-specific antibiotic therapy." Clinical Research 34(1):133A, Jan. 1986.
4. **Unger A**, Chan C, and Goetzman BW. "Eat to live: Enteral vs. parenteral nutrition and the sub-acute mortality and morbidity of very, very low birth weight (WLBW) Infants." Clinical Research 34(1):149A, Jan. 1986.
5. **Unger A.**, Goetzman BW. "Sepsis is a major factor in late mortality of very, very low birthweight infants." Pediatric Research 19:368A, April, 1985.

EXPERT WITNESS EXPERIENCE

Over 35 years extensive experience providing both plaintiff's and defense Expert Opinions in high-value neonatal injury cases for top rank attorneys and Hospital Systems throughout Northeast Pennsylvania.

SELECTED CLINICAL ACHIEVEMENTS

- Planned and led the successful expansion of St. Luke's Hospital Network NICU from 6 beds in 1 site to 22 beds in 2 sites.
- Designed and implemented the first community NICU Hypothermia Program for treatment of hypoxic-ischemic encephalopathy (HIE) in the Commonwealth of PA in 2008.
- Developed and executed the successful sale of ROP follow-up schema "Watchful Eye" from 2007 to 2009.
- Advanced the first community use of nitric oxide (NO) in Pennsylvania for pulmonary hypertension in 1995.
- Established LV's first neonatal apnea clinic in 1988.