

CURRICULUM VITAE

SCOTT OSBORN GUTHRIE, M.D., F.A.A.P.

Office Address: Vanderbilt Division of Neonatology
2200 Children's Way
11111 Doctors' Office Tower
Nashville, TN 37232-9544

Vanderbilt Neonatology in Jackson
620 Skyline Drive
Jackson, TN 38301

Office Telephone: (731) 541-3400
Cell phone: (731) 225-0705
Office E-mail: scott.o.guthrie@vumc.org

PERSONAL

Date of Birth: August 30, 1972
Place of Birth: Huntsville, Alabama
Spouse: Shannon
Children: Emma (September 21, 1998),
Grace (January 30, 2002),
Jack (April 28, 2004)

Education

8/1990 – 5/1995 **David Lipscomb University**
Nashville, Tennessee
Bachelor of Arts in Philosophy and Biology, cum laude

8/1995 – 5/1999 **East Tennessee State University College of Medicine**
Johnson City, Tennessee
Doctorate of Medicine

8/2017 – 5/2019 **University of Cincinnati - The Graduate School**
Cincinnati, Ohio
Certificate in Medical Education

POST-GRADUATE TRAINING

7/1999 - 6/2002 **University of Tennessee College of Medicine-
Chattanooga Unit**
Chattanooga, Tennessee
T.C. Thompson Children's Hospital
Pediatric Intern and Resident

7/2002 - 6/2005 **Vanderbilt University School of Medicine**
Nashville, Tennessee
Vanderbilt Children's Hospital

Neonatal-Perinatal Medicine Fellow

LICENSURES AND CERTIFICATIONS

Certified by the American Board of Pediatrics

General Pediatrics – *participant in MOC*

Neonatal-Perinatal Medicine – *participant in MOC*

Candidate for Fellowship in the Academy of Wilderness Medicine

Medical license - State of Tennessee #36440 (*renews 8/31/2023*)

Medical license - Commonwealth of Kentucky #40592 (*renews 3/1/2021*)

Medical license - State of Indiana #01078234B (*renews 10/31/2021*)

NRP Instructor

STABLE Instructor

BLS Provider

FACULTY APPOINTMENTS

7/2005-present	Vanderbilt University School of Medicine Nashville, Tennessee Department of Pediatrics Division of Neonatology <i>Adjunct Faculty (7/2005-1/2009)</i> <i>Assistant Professor of Clinical Pediatrics (2/2009-3/2016)</i> <i>Associate Professor of Clinical Pediatrics (4/2016-present)</i>
7/2006-present	University of Tennessee Health Science Center Memphis, Tennessee Department of Pediatrics & Family Medicine <i>Clinical Faculty Instructor</i>
3/2014-present	Vanderbilt University School of Nursing Nashville, Tennessee <i>Adjunct Assistant Professor</i>
7/2017-present	Vanderbilt Institute of Global Health Nashville, Tennessee <i>Affiliate Faculty</i>

HOSPITAL APPOINTMENTS AND WORK HISTORY

7/2005-present	Jackson-Madison County General Hospital Jackson, Tennessee <i>Attending Neonatologist</i>
7/2005-present	Vanderbilt University Medical Center Nashville, TN <i>Attending Neonatologist</i>
8/2007-8/2008 7/2014-1/2016	The Medical Center Bowling Green, KY <i>Locum Tenens Neonatologist</i>

9/2008-3/2014	Le Bonheur Children's Medical Center Memphis, TN <i>Locum Tenens Neonatologist</i>
12/2008-1/2009	Womack Army Medical Center Fort Bragg, North Carolina <i>Locum Tenens Neonatologist</i>
10/2011-9/2012	Parkridge East Hospital Chattanooga, TN <i>Locum Tenens Neonatologist</i>
4/2017-5/2018	The Women's Hospital, Deaconess Newburgh, IN <i>Locum Tenens Neonatologist</i>
12/2018-5/2019	Erlanger Medical Center Chattanooga, TN <i>Locum Tenens Neonatologist</i>

PROFESSIONAL MEMBERSHIPS

American Academy of Pediatrics
Section Member: Perinatal Pediatrics, Bioethics
 Newborn Brain Society
 Tennessee Academy of Pediatrics
 American Association for Physician Leadership
 Wilderness Medical Society

PROFESSIONAL ACTIVITIES

HOSPITAL APPOINTMENTS

2009-present	Director of Education, Research, and Outreach for the Neonatal ICU at Jackson-Madison County General Hospital Jackson-Madison County General Hospital
2014-present	Chair of the Pediatric Department Ayers Children's Medical Center at Jackson-Madison County General Hospital
2014-present	Medical Executive Committee Jackson-Madison County General Hospital
2006-2007	Critical Care Committee Jackson-Madison County General Hospital
2008-2009	Ethics Committee Jackson-Madison County General Hospital
2012-2014	Medical Education Committee Jackson-Madison County General Hospital

2013	Utilization Review Committee Jackson-Madison County General Hospital
2013	Vice-Chair of the Pediatric Department Jackson-Madison County General Hospital
2018	Strategic Planning Committee for Women's and Children's Jackson-Madison County General Hospital

OTHER ACTIVITIES

2018-present	International Editorial and Advisory Board Eurasian Journal of Clinical Sciences
2018-present	Co-Director and Moderator Baku International Neonatology Conference
2019-present	International Consultant for Provia Study Ony Biotech
2020-present	Expert Panel for CONNECTION Study Infant Bacterial Therapeutics
2021-present	Tennessee Initiative of Perinatal Quality Care Infant Medical Director
2021-present	American Academy of Pediatrics Ethiopian Quality Improvement ECHO Initiative Global Health Companion Advisor
2007	Co-Chairman Tennessee State RSV Advisory Panel
2009-2012	Interagency Coordinating Council Appointment by Governor Phil Bredesen
2010- 2016	Director and Moderator Ayers Children's Medical Center Biennial Pediatric Conference
2014- 2016	Board Member March of Dimes- Jackson chapter
2019-2020	Physician Executive Education Program West Tennessee Healthcare

Peer Reviewer for *Pediatrics*, *Journal of Perinatology*, and *PLOS One*

Participant in Tennessee Initiative of Perinatal Quality Care projects

HONORS AND AWARDS

1994	Best Research Presentation Award
------	----------------------------------

	Tennessee Academy of Science
1994	Excellence in Philosophy Award David Lipscomb University
1996	First Place, AOA Honor Society (Delta chapter) essay competition. East Tennessee State University College of Medicine
2001	Coddington Award for Best Resident Research University of Tennessee College of Medicine – Chattanooga
2002	Second Place for Resident Research University of Tennessee College of Medicine – Chattanooga
2007	Outstanding Clinical Specialty Preceptor of the Year University of Tennessee College of Medicine Department of Family Medicine – Jackson
2008	Physician's Recognition Award with Commendation American Medical Association
2008	Continuing Medical Education Award American Academy of Pediatrics
2016	Continuing Medical Education Award American Academy of Pediatrics
2018	Leading Physicians of the World International Association of Pediatricians
2019	Physician of the Year Award March of Dimes - West Tennessee Chapter

OTHER SIGNIFICANT ACTIVITIES

I have spent over 16 weeks in Latin America on medical mission trips.
Deacon and teacher at Campbell Street church of Christ, Jackson, TN.
Completed multiple triathlons (sprint to half Ironman distance), half-marathons,
marathons, and ultra-marathons.
Climbed Mt. Rainier, Mt. Shasta, Mt. Baker, Cotopaxi (Ecuador), Urus (Peru),
Ishinca (Peru), and multiple 14,000+ peaks in Colorado and Ecuador.

GRANTS AWARDED

2011	Increasing rate of return to NICU Follow-up clinic by use of a travel voucher – March of Dimes (\$5000 grant)
2016-2025	Fulbright Program, Specialist Roster Candidate. Eligible to receive an international travel grant from the J. William Fulbright Foreign Scholarship Board which is

sponsored by the United States Department of State's Bureau of Educational and Cultural Affairs with the cooperation of World Learning.

2017

Fulbright Program, Specialist.

Awarded a two week international travel grant to Baku, Azerbaijan from the J. William Fulbright Foreign Scholarship Board which is sponsored by the United States Department of State's Bureau of Educational and Cultural Affairs with the cooperation of World Learning. This grant supported efforts to assist the Azerbaijan Medical University, National Perinatal Center, and Pediatric Research Institute faculty in developing a sustainable neonatal simulation training program. I also served as a consultant to the Azerbaijan Ministry of Health and helped them evaluate the current level of care in the country and made targeted recommendations for efforts to improve care which were undertaken by the Ministry of Health.

2018

Fulbright Program, Specialist.

Awarded a two week international travel grant to return to Azerbaijan from the J. William Fulbright Foreign Scholarship Board which is sponsored by the United States Department of State's Bureau of Educational and Cultural Affairs with the cooperation of World Learning. This grant supported efforts to assist the Azerbaijan Medical University and Ministry of Health in outreach and education to the country's neonatal intensive care units. I provided approximately 90 hours of contact time with the neonatologists in this country. This included a combination of lectures on multiple topics, simulation training, bedside teaching, and meetings with leaders at nine NICUs, various hospitals, the Azerbaijan Medical University, and the Ministry of Health. Nearly 200 physicians were taught to use the laryngeal mask airway for resuscitation and surfactant administration. I continue to work with the Ministry of Health as they implement the program on a national level and as they measure the long term impact of this quality improvement initiative on the country's neonatal healthcare.

2018-2020

Turner-Hazinski Research Award (PI: Dupree Hatch)

Awarded \$86,477 from the Vanderbilt Department of Pediatrics and serving as primary investigator at the Jackson-Vanderbilt Regional Affiliated NICU for: "Developing a Learning Health System for Neonatal Mechanical Ventilation." The goals of this project are to: 1) Develop software programs to obtain, clean, transform and analyze ventilator data for quality improvement and research purposes, 2) Identify latent contextual variables of the NICU

clinical microsystems that hinder/facilitate ventilator weaning, and 3) Develop human factors engineering methods to design a user-centered ventilator weaning protocol.

2020-2022

Gerber Foundation Research Award (PI: Dupree Hatch)
Awarded \$317,864 from the Gerber Foundation and serving as primary investigator at the Jackson-Vanderbilt Regional Affiliated NICU for: "Developing and Testing a User-Centered Ventilator Weaning System for Critically Ill Neonates." The goals of this project are to: 1) Identify variables associated with successful weaning from mechanical ventilation by generating a library of clinical data paired with data automatically collected and stored on neonatal ventilators, 2) Develop a generalizable, user-centered ventilator weaning system for the NICU using human factors engineering methods, and 3) Test if the implementation of our ventilator weaning system is associated with improvement in short- and long-term outcomes for infants receiving mechanical ventilation.

RESEARCH ACTIVITIES

2019-present

Principal investigator at Jackson-Madison County General Hospital for ProVia: a supraglottic airway device for administration of surfactant in neonates. A pilot study.

2019-present

Principal investigator at Jackson-Madison County General Hospital for a randomized, double blind, parallel-group, placebo controlled study to evaluate the efficacy and safety of IBP-9414 in premature infants ≤ 1500 grams birth weight in the prevention of necrotizing enterocolitis – The Connection study.

2019-present

Principal investigator at Jackson-Madison County General Hospital to develop a learning health system for neonatal mechanical ventilation.

2011-2016

Principal investigator at Jackson-Madison County General Hospital for the Prematurity and Respiratory Outcomes Program (PROP) and IMproving Prematurity-related Respiratory Outcomes at Vanderbilt (IMPROV) a National Heart, Lung, Blood Institute funded study (NCT01435187).

2014-2017

Principal investigator at Jackson-Madison County General Hospital of a clinical study to investigate the development and use of a bedside C-reactive protein test to promote antibiotic stewardship.

2016-2017	Principal investigator at Jackson-Madison County General Hospital for IBP-9414-010: A randomized, double blind, parallel-group, dose escalation placebo-controlled multi-center study to investigate the safety and tolerability of IBP-9414 administered in preterm infants.
2017-2018	Principal investigator at Jackson-Madison County General Hospital for comparison of aerosol delivery of Infasurf to usual care in spontaneously breathing RDS patients.
2017-2018	Principal investigator at Jackson-Madison County General Hospital for comparison of aerosol delivery of Infasurf to usual care in spontaneously breathing RDS patients.
2017-2019	Clinical collaborator with the Buddington lab at the University of Tennessee Health Sciences Center to use extremely preterm pigs to develop a translational model of bronchopulmonary dysplasia and evaluating Airway Pressure Release Ventilation as a way to improve outcomes.

PUBLICATIONS AND PRESENTATIONS

ARTICLES IN REFEREED JOURNALS

1. Guthrie SO, Lamb MR. "A Case of Primary Adenocarcinoma of the Vermiform Appendix." *American Journal of Clinical Oncology*, June 2000;23(3): 323.
2. Guthrie SO, Burton EM, Knowles P, Marshall R. "Alexander disease in a neurologically normal child: a case report." *Pediatric Radiology*, January 2003;33: 47-49.
3. Guthrie SO, Thomas V, Gordon PV, Thorp JA, Peabody J, Clark RH. "Necrotizing enterocolitis among neonates in the United States." *Journal of Perinatology*, June 2003;23: 278-285
4. Guthrie SO, Walsh WF, Auten K, Clark RH. "Initial dosing of inhaled nitric oxide in hypoxic neonates." *Journal of Perinatology*. 2004 May;24(5): 290-4.
5. Guthrie SO, Rhodes M, Janco R, Stein SM, Jabs K, Engelhardt B. "An infant with Kasabach-Merritt syndrome with associated renal hematoma and intussusception." *Journal of Perinatology*. 2005 Feb;25(2): 143-5.
6. Guthrie SO, Lynn C, Lafleur BJ, Donn SM, Walsh WF. "A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates." *Journal of Perinatology*. 2005 Oct;25(10): 643-6.
7. Carter BS, Guthrie SO. "Utility of morbidity and mortality conference in end-of-life education in the neonatal intensive care unit." *Journal of Palliative Medicine*. 2007 Apr;10(2):375-80.
8. McClain M, Guthrie SO. "Fetal Hydrops in a Twin Pregnancy." *Journal of Neonatal Biology*. 2012 1(1):102-104.
9. Pryhuber GS, Maitre NL, Ballard RA, Cifelli D, Davis SD, Ellenberg JH, Greenberg JM, Kemp J, Mariani TJ, Panitch H, Ren C, Shaw P, Taussig LM, Hamvas A; Prematurity and Respiratory Outcomes Program Investigators (Guthrie S as site investigator). "Prematurity and respiratory outcomes

- program (PROP): study protocol of a prospective multicenter study of respiratory outcomes of preterm infants in the United States." *BMC Pediatr.* 2015 Apr 10;15:37. doi: 10.1186/s12887-015-0346-3.
10. Maitre NL, Ballard RA, Ellenberg JH, Davis SD, Greenberg JM, Hamvas A, Pryhuber GS, the Prematurity and Respiratory Outcomes Program (Guthrie S as site investigator). "Respiratory consequences of prematurity: evolution of a diagnosis and development of a comprehensive approach." *Journal of Perinatology.* 2015 May; 35(5): 313–321.
 11. Wynn JL, Guthrie SO, Wong HR, Lahni P, Ungaro R, Lopez MC, Moldawer LL, Baker HV. "Post-natal age is a critical determinant of the neonatal host response to sepsis." *Molecular Medicine.* Jun 2. doi: 10.2119/molmed.2015.00064.
 12. Walker T, Renno M, Parra D, Guthrie SO. Neonatal ventricular fibrillation and an elusive ALCAPA: things are not always what they seem." *BMJ Case Reports.* 2016. doi: 10.1136/bcr-2015-214239.
 13. Weitkamp JH, Guthrie SO, Wong HR, Moldawer LL, Baker HV, Wynn JL. Histological chorioamnionitis shapes the neonatal transcriptomic immune response. *Early Human Development.* 2016 Jun 15;98:1–6. doi: 10.1016/j.earlhumdev.2016.06.001.
 14. Keller RL, Feng T, DeMauro SB, Ferkol T, Hardie W, Rogers EE, Stevens TP, Voynow JA, Bellamy SL, Shaw PA, Moore PE, Prematurity and Respiratory Outcomes Program (Guthrie S as site investigator). Bronchopulmonary Dysplasia and Perinatal Characteristics Predict 1-Year Respiratory Outcomes in Newborns Born at Extremely Low Gestational Age: A Prospective Cohort Study. *J Pediatr.* 2017 Aug;187:89–97.e3. doi: 10.1016/j.jpeds.2017.04.026.
 15. Blaisdel CJ, Troendle J, Zajicek A, Prematurity and Respiratory Outcomes Program (Guthrie S as site investigator). Acute Responses to Diuretic Therapy in Extremely Low Gestational Age Newborns: Results from the Prematurity and Respiratory Outcomes Program Cohort Study. *J Pediatr.* 2018. doi.org/10.1016/j.jpeds.2018.01.066.
 16. Ren CL, Feng R, Davis SD, Eichenwald E, Jobe A, Moore PE, Panitch HB, Sharp JK, Kisling J, Clem C, Kemp JS, Prematurity and Respiratory Outcomes Program (Guthrie S as site investigator). Tidal Breathing Measurements at Discharge and Clinical Outcomes in Extremely Low Gestational Age Neonates. *Ann Am Thorac Soc.* 2018 Nov;15(11):1311–1319. doi: 10.1513/AnnalsATS.201802-112OC.
 17. DeMauro SB, Bellamy SL, Fernando M, Hoffmann J, Gratton T, Schmidt B; PROP Investigators (Guthrie S as site investigator). Patient, Family, and Center-Based Factors Associated with Attrition in Neonatal Clinical Research: A Prospective Study. *Neonatology.* 2019 Mar 5;115(4):328–334. doi: 10.1159/000494105.
 18. Nematova RI, Guthrie SO. The Introduction of the Laryngeal Mask Airway for Surfactant Administration in Neonates with Respiratory Distress in Azerbaijan. *Eurasian Journal of Clinical Sciences.* 2019 April 2;2(1):63–67. <https://doi.org/10.28942/ejcs.v2i1.61>
 19. Guthrie SO, Cummings JJ. Not sure? How should we give exogenous surfactant to newborns with RDS? *Pediatric Pulmonology.* 2019 Oct 9. doi: 10.1002/ppul.24543

20. Cummings JJ, Gerday E, Minton S, Katheria A, Albert G, Flores-Torres J, Famuyide M, Lampland A, Guthrie S, Kuehn D, Weitkamp JH, Fort P, Abu Jawdeh EG, Ryan RM, Martin GC, Swanson JR, Mulrooney N, Eyal F, Gerstmann D, Kumar P, Wilding GE, Egan EA, AERO-02 STUDY INVESTIGATORS. Aerosolized Calfactant for Newborns With Respiratory Distress: A Randomized Trial. *Pediatrics*. 2020 Nov;146(5):e20193967. doi: 10.1542/peds.2019-3967. Epub 2020 Oct 15.

EDITORIALS

1. Guthrie SO. "Nationalized Legal Care." *The Medical Sentinel: Journal of the Association of American Physicians and Surgeons*, Fall 1997;2(4): 143.

ABSTRACTS

1. Guthrie SO, Yates HO, Green E. "Occurrences of Coral Bleaching and Black Band Disease on the Coral Reefs of South Caicos, British West Indies." *Journal of the Tennessee Academy of Science*: 1994 Abstracts;LXIX:(3-4): 89.
2. Guthrie SO, Thomas V, Gordon PV, Thorp JA, Peabody J, Clark RH. "Acquired Neonatal Gastrointestinal Disease in a National Data Set." *Pediatric Research*. April 2002;51(4): 315a.
3. Guthrie SO, Walsh WF, Auten K, Clark RH. "Initial dosing of inhaled nitric oxide in hypoxic neonates." *Pediatric Research*. April 2003;53(4): 357a.
4. Guthrie SO, Lafleur BJ, Walsh WF. "Successful 'accidental' self-extubation in neonates." *Pediatric Research*. April 2004;55(4): 543a.
5. Guthrie SO, Lynn C, Lafleur BJ, Donn SM, Walsh WF. "A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates." Published in the 2005 *Pediatric Academic Societies Abstracts-on-Disk*.
6. Guthrie SO, Carter BS. "Utility of a morbidity and mortality conference survey tool." Published in the 2005 *Pediatric Academic Societies Abstracts-on-Disk*.

PRESENTATIONS

1. "Necrotizing Enterocolitis in a National Data Set." Oral presentation at the University of Tennessee College of Medicine Resident Research Week. Chattanooga, Tennessee. 2001 (peer-reviewed)
2. "Initial dosing of inhaled nitric oxide in infants with hypoxic respiratory failure." Oral presentation at the Vanderbilt University Medical Center Graduate Medical Research Forum. Nashville, Tennessee. 2002 (peer-reviewed)
3. "Acquired Neonatal Gastrointestinal Disease in a National Data Set." Poster presentation at the Society for Pediatric Research Annual Meeting. Baltimore, Maryland. 2002 (peer-reviewed)
4. "Alexander disease in a neurologically normal child: a case report." Poster presentation at the University of Tennessee College of Medicine Resident Research Week. Chattanooga, Tennessee. 2002 (peer-reviewed)
5. "Initial dosing of inhaled nitric oxide in infants with hypoxemic respiratory failure." Oral presentation at the University of Tennessee College of Medicine Resident Research Week. Chattanooga, Tennessee. 2002 (peer-reviewed)
6. "Neonatal Sepsis." Lecture given at Vanderbilt's Level 3 NICU Nursing Course. Nashville, Tennessee. 2003 (invited)
7. "Initial dosing of inhaled nitric oxide in infants with hypoxic respiratory

- failure."Poster presentation at the Society for Pediatric Research Annual Meeting. Seattle, Washington. 2003 (peer-reviewed)
8. "A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates." Poster presentation at the Society for Pediatric Research Annual Meeting. Washington, DC. 2005 (peer-reviewed)
 9. "A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates." Poster presentation at the Vanderbilt University Medical Center Graduate Medical Research Forum. Nashville, Tennessee. 2005 (peer-reviewed)
 10. "A cross-over analysis of mandatory minute ventilation compared to synchronized intermittent mandatory ventilation in neonates." Oral presentation at the Southeastern Conference on Perinatal Research. Key Largo, Florida. 2005 (peer-reviewed)
 11. "RSV Epidemiology, Treatment, and Prevention." University of Tennessee Family Practice Residency Program. Jackson, TN. Annual lecture. (invited)
 12. "Apnea." University of Tennessee Family Practice Residency Program. Jackson, TN. Annual lecture. (invited)
 13. "Follow-up of the Premature Infant." University of Tennessee Family Practice Residency Program. Jackson, TN. Annual lecture. (invited)
 14. "Surfactant Review and Update: 2010." Mid-South Seminar on the Care of the Complex Newborn. Le Bonheur Children's Medical Center. Memphis, TN. 2010 (invited)
 15. "Toys in Babyland: Trickle Up Technology in the NICU." Tennessee Society for Respiratory Care Golden Circle Conference. Jackson-Madison County General Hospital. Jackson, TN. 2011. (invited)
 16. "Sodium Bicarbonate: Basically Useless Therapy." Pediatric Grand Rounds. Universidad Nacional Autonoma de Nicaragua. Leon, Nicaragua. 2012. (invited)
 17. "Choosing a Career in Private Practice Neonatology." Vanderbilt University School of Medicine Neonatology Fellowship Program. Nashville, TN. 2013. (invited)
 18. "Hybrid Neonatal Practices: Incorporating Academics into the Community Setting." American Academy of Pediatrics Workshop on Perinatal Practice Strategies. Scottsdale, AZ. 2014. (invited)
 19. "Non-Invasive Ventilation of the Neonate." Annual Pediatric Review Conference. Amman, Jordan. 2015. (invited)
 20. "Neonatal Sepsis: Keep Calm and Carry On." Annual Pediatric Review Conference. Amman, Jordan. 2015. (invited)
 21. "Persistent Pulmonary Hypertension of the Newborn." Annual Pediatric Review Conference. Amman, Jordan. 2015. (invited)
 22. "Reaching the Limit: Current Survival and Outcomes of Extreme Prematurity." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
 23. "Introduction of Bubble CPAP in the Delivery Room." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
 24. "Preventing Infections in the NICU." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan.

2015. (invited)
25. "The 'Perfect' Resuscitation." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
26. "Hypoxic-Ischemic Encephalopathy and Cooling." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
27. "Oxygen: Too Much of a Good Thing." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
28. "Management of the Tiny Baby." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
29. "Updates to the NRP Program." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
30. "Necrotizing Enterocolitis." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
31. "S.T.A.B.L.E.: The Next Step in Care." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
32. "Sodium Bicarbonate: 'Basically' Useless Therapy." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
33. "Neonatal Sepsis: Keep Calm and Carry On." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
34. "Non-Invasive Ventilation of the Neonate." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
35. "Persistent Pulmonary Hypertension of the Newborn." Advanced Master Training on Neonatology. Ministry of Health of Azerbaijan Republic. Baku, Azerbaijan. 2015. (invited)
36. "Ventilator Management Workshop." Annual Pediatric Review Conference. Amman, Jordan. 2016. (invited)
37. "The Patent Ductus Arteriosus: Good, Bad, or Indifferent?" Annual Pediatric Review Conference. Amman, Jordan. 2016. (invited)
38. "Reaching the Limit: Current Survival and Outcomes of Extreme Prematurity." Annual Pediatric Review Conference. Amman, Jordan. 2016. (invited)
39. "Preventing Infections in the NICU." Annual Pediatric Review Conference. Amman, Jordan. 2016. (invited)
40. "The 'Perfect' Resuscitation." Annual Pediatric Review Conference. Amman, Jordan. 2016. (invited)
41. "The utility of microscale point-of-care C-reactive protein testing in the NICU." Guthrie S, Wadley S, Wynn J. Poster presentation at the Pediatric Academic Societies Annual Meeting. Baltimore, MD. 2016 (peer-reviewed)
42. "Neonatology and Global Health." Vanderbilt University School of Medicine Neonatology Fellowship Program. Nashville, TN. 2016. (invited)
43. "Probiotics, Colic, and the Prevention of Necrotizing Enterocolitis." Annual Pediatric Review Conference. Amman, Jordan. 2017. (invited)
44. "Hypoxic Ischemic Encephalopathy: Erythropoietin as an Emerging Therapy." Annual Pediatric Review Conference. Amman, Jordan. 2017. (invited)

45. "Highlights of the New Neonatal Resuscitation Program." Annual Pediatric Review Conference. Amman, Jordan. 2017. (invited)
46. "Antibiotic Stewardship in the NICU: Safely Limiting Exposure." Annual Pediatric Review Conference. Amman, Jordan. 2017. (invited)
47. "Neonatal Emergencies: Anatomy and Physiology, Assessment and Stabilization." Critical Care Paramedic Program. Jackson, TN. 2017 (invited)
48. "Neonatal Sepsis and Using the Sepsis Calculator." University of Tennessee Family Practice Residency Program. Annual lecture. Jackson, TN. 2017. (invited)
49. "Neonatal Sepsis and Using the Sepsis Calculator." Vanderbilt University Pediatric Residency Program. Annual lecture. Nashville, TN. 2017. (invited)
50. "One NICUs Experience in Significantly Decreasing Antibiotic Utilization Through the use of Quality Improvement Processes." Wadley S, Guthrie S. Poster presentation at the Vermont Oxford Network Annual Quality Congress. Chicago, IL. 2017 (peer-reviewed and selected as a "Stop" in the Whistle-Stop Learning Tour)
51. "Antibiotic Stewardship in the NICU: Safely Limiting Exposure." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
52. "Hypoxic Ischemic Encephalopathy: Erythropoietin as an Emerging Therapy." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
53. "Neonatal Sepsis: Keep Calm and Carry On." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
54. "Antibiotic Stewardship in the NICU: Safely Limiting Exposure." Fulbright Specialist Program. Azerbaijan Medical University. Baku, Azerbaijan. 2017. (invited)
55. "Oxygen: Too Much of a Good Thing." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2017. (invited)
56. "Management of the Tiny Baby." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2017. (invited)
57. "The 'Perfect' Resuscitation." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2017. (invited)
58. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2017. (invited)
59. "Introducing the STABLE Program to Azerbaijan ." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
60. "The Patent Ductus Arteriosus: Good, Bad, or Indifferent?" Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
61. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2017. (invited)
62. "Post-Surgical Management of the Neonate." Fulbright Specialist Program. Azerbaijan Medical University. Baku, Azerbaijan. 2017. (invited)
63. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Fulbright Specialist Program. Azerbaijan Medical University. Baku, Azerbaijan. 2017. (invited)
64. "Introducing the STABLE Program to Azerbaijan ." Fulbright Specialist Program.

- National Perinatal Center. Baku, Azerbaijan. 2017. (invited)
65. "A randomized, double blind, parallel-group, dose escalation placebo-controlled multicenter study to investigate the safety and tolerability of IBP-9414 administered in preterm infants at risk of developing NEC." Neu J, Hudak M, Bloom B, Guthrie S, Hand I, del Moral T, Kona S, White R, Garg M, Porcelli P, Ashley P, Connolly E. Poster presentation at Hot Topics in Neonatology. Washington, DC. 2017 (peer-reviewed)
 66. "Persistent Pulmonary Hypertension of the Newborn." Tennessee Society for Respiratory Care Golden Circle Conference. Jackson-Madison County General Hospital. Jackson, TN. 2017. (invited)
 67. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Annual Pediatric Review Conference. Amman, Jordan. 2018. (invited)
 68. "Preventing Kernicterus: Tools in Treating Neonatal Jaundice." Annual Pediatric Review Conference. Amman, Jordan. 2018. (invited)
 69. "Surfactant 2018: Current and Future Use." Annual Pediatric Review Conference. Amman, Jordan. 2018. (invited)
 70. "Introducing the STABLE Program to Azerbaijan ." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 71. "Highlights of the New Neonatal Resuscitation Program." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 72. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 73. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 74. "Non-Invasive Ventilation of the Neonate." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 75. "Preventing Kernicterus: Tools in Treating Neonatal Jaundice." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 76. "Preventing Infections in the NICU." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 77. "Neonatal Sepsis and Using the Sepsis Calculator." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 78. "Neonatal Seizures: Diagnosis and Management." Fulbright Specialist Program. Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
 79. "Introducing the STABLE Program to Azerbaijan ." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 80. "Highlights of the New Neonatal Resuscitation Program." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 81. "Improving Care with Neonatal Simulation: Building a Team Committed to Care." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 82. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 83. "Non-Invasive Ventilation of the Neonate." Fulbright Specialist Program.

- Regional Perinatal Center of Sheki. Sheki, Azerbaijan. 2018. (invited)
84. "Preventing Kernicterus: Tools in Treating Neonatal Jaundice." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 85. "Preventing Infections in the NICU." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 86. "Neonatal Sepsis and Using the Sepsis Calculator." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. (invited)
 87. "Neonatal Seizures: Diagnosis and Management." Fulbright Specialist Program. Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 88. "Hypoxic Ischemic Encephalopathy: Erythropoietin as an Emerging Therapy." Regional Perinatal Center of Ganja. Ganja, Azerbaijan. 2018. (invited)
 89. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Azerbaijan Medical University. Baku, Azerbaijan. 2018. (invited)
 90. "Hypoxic Ischemic Encephalopathy: Erythropoietin as an Emerging Therapy." Fulbright Specialist Program. Azerbaijan Medical University. Baku, Azerbaijan. 2018. (invited)
 91. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 92. "Preventing Kernicterus: Tools in Treating Neonatal Jaundice." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 93. "Persistent Pulmonary Hypertension of the Newborn." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 94. "Hypoxic Ischemic Encephalopathy: Erythropoietin as an Emerging Therapy." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 95. "Post-Surgical Management of the Neonate." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 96. "Preventing Infections in the NICU." Fulbright Specialist Program. Pediatric Research Institute. Baku, Azerbaijan. 2018. (invited)
 97. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Scientific Research Institute for Obstetrics and Gynecology. Baku, Azerbaijan. 2018. (invited)
 98. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2018. (invited)
 99. "Management of the Tiny Baby." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2018. (invited)
 100. "Highlights of the New Neonatal Resuscitation Program." Fulbright Specialist Program. National Perinatal Center. Baku, Azerbaijan. 2018. (invited)
 101. "Minimally Invasive Surfactant Administration and the Use of the Laryngeal Mask Airway." Fulbright Specialist Program. Republican Clinic Hospital. Baku, Azerbaijan. 2018. (invited)
 102. "Long-Term Outcomes of Prematurity: What Happens When They Leave the NICU?" Baku International Neonatology Conference. Baku, Azerbaijan. 2018.

- (invited)
103. "Neonatology and Global Health." Vanderbilt University School of Medicine Neonatology Fellowship Program. Nashville, TN. 2019. (invited)
 104. "Long-Term Outcomes of Prematurity: What Happens When They Leave the NICU?" Annual Pediatric Review Conference. Amman, Jordan. 2019. (invited)
 105. "Using the Laryngeal Mask Airway in Neonates: A Tool for Resuscitation and Surfactant Administration." Annual Pediatric Review Conference. Amman, Jordan. 2019. (invited)
 106. "Laryngeal Mask Airway Workshop." Annual Pediatric Review Conference. Amman, Jordan. 2019. (invited)
 107. "Using the Laryngeal Mask Airway in Neonates: A Tool for Resuscitation and Surfactant Administration." Grand Rounds at Al-Bashir Hospital. Amman, Jordan. 2019. (invited)
 108. "Uses and Potential Applications of Laryngeal Mask/Supraglottic Airway Devices (LMA/SAD) in Neonates." Pinheiro J, Roberts K, Santana Q, Guthrie S, Gallup J, Barbosa R, Trevisanuto D. Workshop presentation at the Pediatric Academic Societies Annual Meeting. Baltimore, MD. 2019. (peer-reviewed)
 109. "Minimally Invasive Surfactant Administration: Where Are We and Where Are We Going?" Tennessee Society for Respiratory Care Golden Circle Summer Conference. Jackson State Community College. Jackson, TN. 2019. (invited)
 110. "Making Change Happen: How We Can Improve Care in the NICU." Baku International Neonatology Conference. Baku, Azerbaijan. 2019. (invited)
 111. "Long-Term Outcomes of Prematurity: What Happens When They Leave the NICU?" Baku International Neonatology Conference. Baku, Azerbaijan. 2019. (invited)
 112. "Surfactant Delivery Workshop." Baku International Neonatology Conference. Baku, Azerbaijan. 2019. (invited)
 113. "Minimally Invasive Surfactant Administration: Where Are We and Where Are We Going?" Pediatric Grand Rounds. University of Tennessee College of Medicine, Chattanooga, TN. 2019. (invited)
 114. "Minimally Invasive Surfactant Administration: Where Are We and Where Are We Going?" Tennessee Society for Respiratory Care Golden Circle Winter Conference. Jackson State Community College. Jackson, TN. 2019. (invited)
 115. "Making Change Happen: How We Can Improve Care in the NICU." Annual Pediatric Review Conference. Amman, Jordan. 2020. (invited)
 116. "Neonatal Dermatology: An Interactive Learning Experience." Annual Pediatric Review Conference. Amman, Jordan. 2020. (invited)
 117. "Management of Hypotension in the Neonate." Annual Pediatric Review Conference. Amman, Jordan. 2020. (invited)
 118. "Workshop in Novel Surfactant Administration Techniques." Fort P, Guthrie S, Carlo W. Annual Innovations in Maternal, Fetal, and Neonatal Medicine: The Continuum of Care Conference. Johns Hopkins All Children's Hospital, St. Petersburg, FL. 2020. (invited, but cancelled due to COVID-19)
 119. "Association of Overnight Extubation with Successful Extubation in Preterm Infants: A Multicenter Study." Guy B, Dye E, Guthrie S, Hatch L. Poster presentation at the Pediatric Academic Societies Annual Meeting. Philadelphia, PA. 2020 (peer-reviewed, but cancelled due to COVID-19)
 120. "Bronchopulmonary Dysplasia: The ABCs of BPD." Baku International Neonatology Conference (virtual). Baku, Azerbaijan. 2020. (invited)

121. "Neonatal Seizures." Baku International Neonatology Conference (virtual). Baku, Azerbaijan. 2020. (invited)
122. "Getting High: An Introduction to Altitude and Mountain Medicine." University of Tennessee Family Practice Residency Program. Annual lecture. Jackson, TN. 2021. (invited)
123. "Getting High: An Introduction to Altitude and Mountain Medicine." University of Tennessee Health Sciences Center Wilderness Medicine Student Interest Group (virtual). Memphis, TN. 2021. (invited)
124. "Minimally Invasive Surfactant Administration: Where Are We and Where Are We Going?" NEO: The Conference for Neonatology (virtual). Las Vegas, NV. 2021. (sponsored symposium)
125. "Workshop in Novel Surfactant Administration Techniques." Fort P, Guthrie S, Schwindt E. Annual Innovations in Maternal, Fetal, and Neonatal Medicine: The Continuum of Care Conference (virtual). Johns Hopkins All Children's Hospital, St. Petersburg, FL. 2021. (invited)

MEDIA

1. "Surfactant Administration through Laryngeal or Supraglottic Airways (SALSA)." www.facebook.com/groups/1552964458177681. Administrator. Published 9.19.2019.
2. "SALSA: New Technique giving Surfactant Through an LMA." www.youtube.com/watch?v=nHfwHtNh8IY. Published 8.5.2020.
3. "Baby born premature at 13 oz. beats odds, family prepares for hospital discharge." Interviewed by WBBJ news. <https://www.wbbjtv.com/2020/09/03/baby-born-premature-at-13-oz-beats-odds-family-prepares-for-hospital-discharge/?fbclid=IwAR3wUYFxafj9choXJX4E1xl6QcggR6tjVOYtRnRWZ8mTvg9p6o-yNDHhdQl>. Published 9.3.2020.
4. "Aerosolized Calfactant for Newborns with Respiratory Distress Syndrome: A Randomized Trial." Speaker in *Pediatrics* video abstract. <https://videoabstracts.aappublications.org/detail/videos/all-video-abstracts/video/6176785320001>. Published 10.15.2020.
5. "JMC GH pediatrician shares frustrations, concerns of those on front line in COVID-19 pandemic. Interviewed by *Jackson Sun* newspaper. <https://www.jacksonsun.com/story/news/2020/12/25/jmcgh-pediatrician-shares-frustrations-concerns-those-front-line-covid-19-pandemic/4025277001>. Published 12.25.2020.

