

UNIVERSITY OF OKLAHOMA  
COLLEGE OF MEDICINE

CURRICULUM VITAE

**Birju Anilkumar Shah, M.B.B.S., M.P.H., M.B.A., F.A.A.P.**

Assistant Professor, Department of Pediatrics  
Section of Neonatology

Director of Resuscitation, Transition, Labor and Consultation (TLC) Team, Women's and Newborn Center  
Children's Hospital 7341

1200 Everett Drive, 7th Floor North Pavilion ETNP #7504

Oklahoma City, OK 73104

Phone: (405) 271-5215 ext. 42167

Fax: (405) 271-1236

Email: birju-shah@ouhsc.edu

**Appointment Type:** Consecutive

**Pathway:** Clinician Educator

**EDUCATION AND TRAINING**

**Postgraduate Education and Training**

2012 - 2015 Teaching Fellow, Neonatal-Perinatal Medicine, Women and Infants Hospital of Rhode Island, Brown University, Providence, RI, USA  
Mentor: James Padbury, M.D., Abbot Laptok, M.D.

2009 - 2012 Intern and Resident, Pediatrics, Children's Hospital, Saint Peter's University Hospital, New Brunswick, NJ, USA  
Mentor: William Bernstein, M.D., Bipin Patel, M.D.

**Education**

2010 - 2011 Master of Business Administration, Strategic Healthcare Management  
Rutgers University, New Brunswick, NJ, USA  
Advisor: Farrokh Langdana, Ph.D.

2007 - 2009 Master of Public Health, Quantitative Methods  
Rutgers School of Public Health, Newark, NJ, USA  
Advisor: William Halperin, Dr.P.H., Amy Davidow, Ph.D.

2000 - 2006 Bachelor of Medicine, Bachelor of Surgery  
Gujarat University, N.H.L. Medical College, Ahmedabad, India  
Advisor: Usha Vyas, M.S., Jayshree Mehta, M.D.

**PROFESSIONAL EXPERIENCE**

**Academic**

2015 - Present Assistant Professor, Neonatal-Perinatal Medicine, Pediatrics, OU Children's Physicians, University of Oklahoma, Oklahoma City, OK, United States

2013 - 2015 Instructor in Pediatrics, Warren Alpert Medical School, Brown University, Providence, RI, United States

### **Administrative**

- 2019 - Present Director of Resuscitation, Transition, Labor and Consultation (TLC) Team, Women's and Newborn Center, The Children's Hospital, Oklahoma City, OK, United States
- 2016 - 2017 Quality Improvement Champion, Neonatal-Perinatal Fellowship, Pediatrics, College of Medicine, University of Oklahoma Health Sciences Center

### **Government**

- 2008 - 2009 Research Associate, Global Tuberculosis Institute, Public Health Research Institute, Newark, NJ

### **Hospital/Agency**

- 2015 - Present Affiliate Staff, Newborn Services, Joyful Beginnings Childbirth Center, St. Anthony Hospital, SSM Health, Oklahoma City, OK, United States
- 2015 - Present Affiliate Staff, Neonatal Intensive Care Unit, Women's Health, Comanche County Memorial Hospital, Lawton, OK
- 2015 - Present Neonatologist, Neonatal-Perinatal Medicine, Pediatrics, Children's Hospital, OU Medical Center, Oklahoma City, OK
- 2014 - 2015 Staff Physician, Neonatal Intensive Care Unit, Pediatrics, Kent County Memorial Hospital, Care New England, Warwick, RI
- 2013 - 2015 Attending Physician, Newborn Nursery, Pediatrics, Women & Infants Hospital of Rhode Island, Care New England, Providence, RI
- 2012 - 2015 Consulting Staff, Pediatrics, Hasbro Children's Hospital, Lifespan, Providence, RI
- 2009 - 2012 House Officer, Pediatrics, Saint Peter's University Hospital, New Brunswick, NJ
- 2008 - 2009 Research Associate, ACAP Cardiac Research Group, Cardiovascular Medicine, St. Luke's Roosevelt Hospital, Mount Sinai Health System, New York, NY

### **HONORS AND AWARDS**

Fellow, American Academy of Pediatrics (Received), August 12, 2016 - Present

Resident and Fellow Grants, Children's Hospital Foundation, Oklahoma City, OK (Received), 2018 - 2019

Mentor Award, Pediatric Research, University of Oklahoma Health Sciences Center (Received), March 8, 2019

37th Western Central Conference on Perinatal Research Travel Award, American Academy of Pediatrics (Received), January 2016

ID week Research Award, Infectious Disease Society of America (Received), October 2015

Perinatal & Developmental Medicine Symposium Travel Award, American Academy of Pediatrics (Received), May 2015

Young Investigator Travel Award, Eastern Society for Pediatric Research (Received), March 2015

ID week Travel Award, Infectious Disease Society of America (Received), October 2014

Delegate, 26th Annual Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Eunice Kennedy Shriver National Institute of Child Health and Human Development (Nominated), September 2014

America's Top Pediatrician, Consumers' Research Council of America (Received), May 2014

Clinical Research Award, Society of Pediatric Research (Received), May 2014

Annual Meeting Travel Award, Eastern Society for Pediatric Research (Received), March 2014

Educational Grant, New England Perinatal Society (Received), January 2014

Senior Resident Excellence in Teaching, Saint Peter's University Hospital (Received), June 2012

Federal Advocacy Day Travel Award, AAP Department of Federal Affairs (Nominated), April 2012

## **BOARD AND PRACTICE CERTIFICATION**

2016 - Present Lean Six Sigma Green Belt, Quality and Patient Safety, International Association for Six Sigma Certification

2016 - Present Diplomate, Neonatal-Perinatal Medicine, American Board of Pediatrics, Maintenance of Certification

2012 - Present Diplomate, Pediatrics, American Board of Pediatrics, Maintenance of Certification

2008 - Present ECFMG Certificate, Medical Science & Clinical Skills, Educational Commission for Foreign Medical Graduates, Active

## **LICENSURE**

2015 - Present Medical Doctor, Neonatal-Perinatal Medicine, Oklahoma Board of Medical Licensure and Supervision, Active

2015 - Present Medical Doctor, Neonatal-Perinatal Medicine, Oklahoma Board of Narcotics and Dangerous Drugs, Active

2012 - Present DEA registration (Schedules 2, 2N, 3, 3N, 4, 5), Neonatal-Perinatal Medicine, Drug Enforcement Administration, Active

2006 - Present Certificate of Registration, Medicine, Medical Council of India, Active

2012 - 2016 Doctor of Medicine, Pediatrics, Rhode Island Board of Medical Licensure and Discipline, Inactive

2009 - 2011 Graduate Medical Trainee, Pediatric Infectious Diseases, Pennsylvania State Board of Medicine, Inactive

## SCHOLARSHIP

### Contracts, Grants, and Sponsored Research

\* indicates mentee

#### Current

##### Grants

**Shah, B. A.** (Principal Investigator), "Human performance study," Sponsored by Children's Health Foundation, Foundation

Total Direct Costs: \$5,000.00

Additional Information: The purpose of this study to evaluate human performance using three-dimension motion capture technology during simulated neonatal cardiopulmonary resuscitation.

2019 - Present

**Shah, B. A.** (Co-Principal Investigator), 2% Effort, "Mecasermin rinfabate (rhIGF-1/rhIGFBP-3)," Sponsored by Shire, Private

Grant/Contract Number: ROPP-2008-01

Total Direct Costs: \$2,928,925.00

Additional Information: The goal of this phase 2, randomized controlled, assessor-blind study was to compare the severity of bronchopulmonary dysplasia among treated infants with two difference dosage compared to an untreated control population, matched for gestational age at birth.

2019 - Present

**Shah, B. A.** (Principal Investigator), "Non-inflatable supraglottic airway vs face mask as a primary device for neonatal resuscitation: a pilot study," Intramural research

Total Direct Costs: \$50,000.00

Additional Information: The goal of this pilot study is to compare non-inflatable supraglottic airway vs facemask as a primary interface device for neonatal resuscitation.

2019 - Present

**Shah, B. A.** (Principal Investigator), "Pediatric ICU simulation study," Sponsored by Children's Health Foundation, Foundation

Total Direct Costs: \$5,000.00

Additional Information: The purpose of this study to evaluate ergonomics using three-dimension motion capture technology during simulated pediatric cardiopulmonary resuscitation.

2019 - Present

**Shah, B. A.** (Principal Investigator), "Chest compression study," Sponsored by Children's Health Foundation, Foundation

Total Direct Costs: \$5,000.00

Additional Information: The purpose of this study to evaluate effect of rotating providers on chest compression performance during simulated neonatal cardiopulmonary resuscitation.

2018 - Present

**Shah, B. A.** (Site PI), "Rapid test to assist therapy in neonatal sepsis and necrotizing enterocolitis," Sponsored by NIAID, Federal

Grant/Contract Number: 1R44AI141283

Total Direct Costs: \$166,522.00

Additional Information: The overall goal of this small business innovation research is to develop and validate a rapid point-of-care (POC) test that assesses the risk of sepsis and/or necrotizing enterocolitis in infants based on Inter-alpha inhibitors levels in blood.

2018 - Present

**Shah, B. A.** (Principal Investigator), 5% Effort, "Delivery room heart rate measurement by electrocardiogram vs pulse oximetry," Intramural research  
Total Direct Costs: \$49,735.00  
Additional Information: The goal of this feasibility study is to determine if electrocardiography measures heart rate faster and more accurately with clinically important differences when compared with pulse oximetry during early transition after birth.  
2017 - 2019

**Shah, B. A.**, 2% Effort, "CHF 5633," Sponsored by Chiesi, Private  
Grant/Contract Number: CCD-1011-PR-0059  
Total Direct Costs: \$448,460.00  
Additional Information: The goal of this double blind, randomized, controlled study is to compare efficacy of synthetic surfactant CHF 5633 with poractant alfa in neonates with respiratory distress syndrome.  
2015 - 2019

### Other

Szyld, E. G. (Principal Investigator), **Shah, B. A.** (Co-Investigator), 5% Effort, "Annual Symposium on Neonatal Resuscitation," The major goal of this educational grant is to initiate a district-wide effort to improve resuscitation education in the region and to have a full day conference to bring together outstanding speakers, a neonatologist from each academic center of the District to learn and to teach, and interested providers of neonatal care., Sponsored by American Academy of Pediatrics  
2017 - Present

Makkar, A. (Principal Investigator), **Shah, B. A.** (Co-Investigator), 2% Effort, "TTN Study," The goal of this multicenter randomized controlled trial is to compare restrictive fluid vs standard of care intravenous fluid for the management of respiratory distress in the newborn period.  
2017 - Present

### Completed

#### Grants

**Shah, B. A.** (Supporting Investigator), 2% Effort, "Mecasermin rinfabate (rhIGF-1/rhIGFBP-3)," Sponsored by Shire, Private  
Grant/Contract Number: ROPP-2008-01  
Total Direct Costs: \$2,928,925.00  
Additional Information: The goal of this phase 2, randomized controlled, assessor-blind study was to compare the severity of retinopathy of prematurity among treated infants with an untreated control population, matched for gestational age at birth while confirming the dose of rhIGF-1/rhIGFBP-3.  
2015 - 2016

**Shah, B. A.** (Principal Investigator), 5% Effort, "ELBW Vit D Study," Intramural research, Sponsored by Brown University, Educational organization  
2014 - 2015

**Shah, B. A.** (Site PI), "Neurophysiologic maturation index for moderate and late preterm infants: NEMO project," Sponsored by Brown University, Educational organization  
Additional Information: The goal of this study was to determine if neurophysiologic maturation as assessed by amplitude-integrated electroencephalogram, heart rate variability and respiratory variability within 24-96 hours following birth improves the correlation between gestational age and

length of hospital stay compared to gestational age alone.  
2013 - 2015

**Shah, B. A.** (Principal Investigator), "Ialp in NEC & SIP," Sponsored by Brown University  
Additional Information: The goal of this study was to examine the diagnostic accuracy of circulating inter-alpha-inhibitor proteins in infants with necrotizing enterocolitis, spontaneous intestinal perforation and matched controls, and compare it with C-reactive protein.  
2012 - 2015

**Shah, B. A.** (Collaborator), "Multi center Network of Neonatal Intensive Care Units," Sponsored by NIH, Federal  
Grant/Contract Number: 2-U10-HD027904-21  
Additional Information: The major goals were to pool patients from a multi-center consortium of academic centers for the performance of randomized clinical trials to answer important questions in the care of very low birth weight, late preterm and term infants. The network provides an ongoing survey of morbidity and mortality in high-risk newborns in addition to neurodevelopmental follow-up until 18 months of age for infants with a birth weight < 1000g.  
2012 - 2015

**Shah, B. A.** (Co-Investigator), "Prospective research on infants with mild encephalopathy: PRIME study," Sponsored by Brown University  
Additional Information: The goal of this study was to determine the natural history of infants with early diagnosis (<6 hours of age) of mild neonatal encephalopathy who are not qualified for therapeutic hypothermia.  
2012 - 2015

**Shah, B. A.** (Collaborator), "Rapid detection of neonatal sepsis," Sponsored by NICHD, Federal  
Grant/Contract Number: R43HD069243-01  
Total Direct Costs: \$498,061.00  
Additional Information: The goal of this study was to develop a rapid point-of-care device for measurement of inter-alpha-inhibitor proteins in plasma of neonatal patients undergoing evaluation for sepsis or necrotizing enterocolitis.  
2013 - 2014

**Shah, B. A.** (Supporting Investigator), "Viral Respiratory Tract Infections in NICU: VIRIoN-I Study," Sponsored by Brown University  
2012 - 2013

**Shah, B. A.** (Principal Investigator), 5% Effort, "Supporting Parents of Post-NICU Infants," Sponsored by American Academy of Pediatrics  
Grant/Contract Number: CATCH Resident Grant  
Total Direct Costs: \$5,000.00  
Additional Information: The major goal of this study was to explore the barriers to follow up clinic after neonatal ICU discharge and to establish medical home and provide support for families.  
2011 - 2012

## Pending

### Grants

**Shah, B. A.** (Sub-Investigator), 5% Effort, "Premature Infants Receiving Milking or Delayed Cord Clamping," The goal of this randomized, controlled multicenter non-inferiority trial is to compare the incidence of long-term neurodevelopmental outcomes at 24 months corrected gestational age in premature infants born between 23-32+6 weeks receiving umbilical cord milking to those receiving delayed cord clamping, Sponsored by Eunice Kennedy Shriver National Institute of Child Health

and Human Development, Federal  
Grant/Contract Number: PREMOD2  
2020 - Present

Kapadia (Principal Investigator), **Shah, B. A.** (Site PI), "Optimization of Oxygen Saturation Targets for Preterm Resuscitation in the Delivery Room," The purpose of this randomized controlled trial is to determine if use of optimized target oxygen strategy during delivery room resuscitation can reduce oxidative stress in premature newborns. The objective is to compare oxidative stress markers between preterm neonates resuscitated in the delivery room using three different target oxygen strategies, Sponsored by National Institutes of Health (NIH), Federal Grant/Contract Number: 5K23HD083511  
2019 - Present

Schmolzer (Principal Investigator), **Shah, B. A.** (Site PI), "Sustained Inflation and Chest Compressions," The goal of this two-arm parallel designed cluster multi-national randomized controlled trial is to evaluate the time to achieve return of spontaneous circulation by using chest compression during sustained inflation to the current standard 3:1 compression to ventilation during cardiopulmonary resuscitation., Sponsored by Canadian Institute of Health Research  
Grant/Contract Number: Surv1ve  
2019 - Present

Kattwinkel (Principal Investigator), **Shah, B. A.** (Site Co-PI), 1% Effort, "VentFirst," The goal of this multicenter, randomized controlled study is to determine whether providing ventilatory assistance prior to umbilical cord clamping influences the occurrence of intraventricular hemorrhage in extremely preterm infants, compared to standard care of providing ventilatory assistance after cord clamping., Sponsored by National Institutes of Health (NIH), Federal Grant/Contract Number: 1R01HD087413-01  
Total Direct Costs: \$723,854.00  
2018 - Present

### **Publications - Peer-Reviewed/Refereed**

\* indicates Mentee  
+ indicates Co-First Author  
# indicates Contributing Author/Corresponding Author

#### **Scientific/Scholarly Journals**

1. **Shah, B. A.**, Wlodaver, A. G., Escobedo, M. B., Ahmed, S. T., Blunt, M. H., Anderson, M. P., Szyld, E. G. (2019). Impact of electronic cardiac (ECG) monitoring on delivery room resuscitation and neonatal outcomes. *Resuscitation*, 143, 10-16. DOI: 10.1016/j.resuscitation.2019.07.031
2. Escobedo, M. B., **Shah, B. A.**, Song, C. H., Makkar, A., Szyld, E. G. (2019). Recent Recommendations and Emerging Science in Neonatal Resuscitation. *Pediatric Clinics of North America*, 66(2), 309-320. DOI: 10.1016/j.pcl.2018.12.002
3. Chalak, L. F., Nguyen, K. A., Prempunpong, C., Heyne, R., Thayyil, S., Shankaran, S., Laptook, A. R., Rollins, N., Pappas, A., Koclas, L., **Shah, B. A.**, Montaldo, P., Techasaensiri, B., Sánchez, P. J., Sant'Anna, G. (2019). Prospective research in infants with mild encephalopathy identified in the first six hours of life: neurodevelopmental outcomes at 18–22 months. *Pediatric Research*. DOI: 10.1038/s41390-018-0174-x
4. **Shah, B. A.**, Padbury, J. F., Anderson, M. P., Holick, M. F., Szyld, E. G., Gordon, C. M. (2018). Vitamin D and associated perinatal–neonatal outcomes among extremely low-birth-weight infants. *Journal of Perinatology*, 38(10), 1318-1323. DOI: 10.1038/s41372-018-0203-y
5. Enriquez, D., Meritano, J., **Shah, B. A.**, Song, C. H., Szyld, E. G. (2018). Fatigue during Chest

Compression Using a Neonatal Patient Simulator. *American Journal of Perinatology*, 35(8), 796-800. DOI: 10.1055/s-0037-1620231

6. **Shah, B. A.**, Szyld, E. G., Wlodaver, A. G. (2018). Unexpected heart block in the delivery room: the utility of ECG monitoring. *Archives of disease in childhood. Fetal and neonatal edition*, 103(3), F292. DOI: 10.1136/archdischild-2018-314789
7. Prempunpong, C., Chalak, L. F., Garfinkle, J., **Shah, B. A.**, Kalra, V., Rollins, N., Boyle, R., Nguyen, K. A., Mir, I., Pappas, A., Montaldo, P., Thayyil, S., Sánchez, P. J., Shankaran, S., Laptook, A. R., Sant'anna, G. (2018). Prospective research on infants with mild encephalopathy: The PRIME study. *Journal of Perinatology*, 38(1), 80-85. DOI: 10.1038/jp.2017.164
8. Ley, D., Hallberg, B., Hansen-Pupp, I., Dani, C., Ramenghi, L. A., Marlow, N., Beardsall, K., Bhatti, F. N., Dunger, D., **Shah, B. A.**, Higginson, J. D., Mahaveer, A., Mezu-Ndubuisi, O. J., Reynolds, P., Giannantonio, C., van Weissenbruch, M., Barton, N., Tocoian, A., Hamdani, M., Jochim, E., Mangili, A., Chung, J. K., Turner, M. A., Smith, L. E.H., Hellström, A. (2018). rhIGF-1/rhIGFBP-3 in Preterm Infants: A Phase 2 Randomized Controlled Trial. *Journal of Pediatrics*. DOI: 10.1016/j.jpeds.2018.10.033
9. Laptook, A. R., Shankaran, S., Tyson, J. E., Munoz, B., Bell, E. F., Goldberg, R. N., Parikh, N. A., Ambalavanan, N., Pedroza, C., Pappas, A., Das, A., Chaudhary, A. S., Ehrenkranz, R. A., Hensman, A. M., Van Meurs, K. P., Chalak, L. F., Hamrick, S. E.G., Sokol, G. M., Walsh, M. C., Poindexter, B. B., Faix, R. G., Watterberg, K. L., Frantz, I. D., Guillet, R., Devaskar, U., Truog, W. E., Chock, V. Y., Wyckoff, M. H., McGowan, E. C., Carlton, D. P., Harmon, H. M., Brumbaugh, J. E., Cotten, C. M., Sánchez, P. J., Hibbs, A. M., Higgins, R. D. (2017). Effect of therapeutic hypothermia initiated after 6 hours of age on death or disability among newborns with hypoxic-ischemic encephalopathy a randomized clinical trial. *JAMA - Journal of the American Medical Association*, 318(16), 1550-1560. DOI: 10.1001/jama.2017.14972
10. Shankaran, S., Laptook, A. R., Pappas, A., McDonald, S. A., Das, A., Tyson, J. E., Poindexter, B. B., Schibler, K., Bell, E. F., Heyne, R. J., Pedroza, C., Bara, R., Van Meurs, K. P., Huitema, C. M., Petrie, C., Grisby, C., Devaskar, U., Ehrenkranz, R. A., Harmon, H. M., Chalak, L. F., DeMauro, S. B., Garg, M., Hartley-McAndrew, M. E., Khan, A. M., Walsh, M. C., Ambalavanan, N., Brumbaugh, J. E., Watterberg, K. L., Shepherd, E. G., Hamrick, S. E.G., Barks, J., Michael Cotton, C., Kilbride, H. W., Higgins, R. D. (2017). Effect of depth and duration of cooling on death or disability at age 18 months among neonates with hypoxic-ischemic encephalopathy a randomized clinical trial. *JAMA - Journal of the American Medical Association*, 318(1), 57-67. DOI: 10.1001/jama.2017.7218
11. **Shah, B. A.**, Migliori, A., Kurihara, I., Sharma, S., Lim, Y. P., Padbury, J. (2017). Blood Level of Inter-Alpha Inhibitor Proteins Distinguishes Necrotizing Enterocolitis From Spontaneous Intestinal Perforation. *The Journal of pediatrics*, 180, 135-140.e1. PMID: 27745748. DOI: 10.1016/j.jpeds.2016.09.016
12. Pedroza, C., Tyson, J. E., Das, A., Laptook, A., Bell, E. F., Shankaran, S., Keszler, M., Hensman, A. M., Vierira, E., Little, E., **Shah, B. A.**, Guerina, N., Bliss, J., Mirza, H., Sommers, R., Walsh, M. C., Hibbs, A. M., Newman, N. S., Siner, B. S., Zadell, A., Truog, W. E., Pallotto, E. K., Kilbride, H. W., Gauldin, C., Holmes, A., Johnson, K., Schibler, K., Kallapur, S. G., Alexander, B., Fischer, E. E., Gratton, T. L., Grisby, C., Jackson, L., Jennings, J., Kirker, K., Muthig, G., Wuertz, S., Michael Cotten, C., Goldberg, R. N., Finkle, J., Fisher, K. A., Grimes, S., Laughon, M. M., Bose, C. L., Bernhardt, J., Clark, C., Stoll, B. J., Carlton, D. P., Hamrick, S. E.G., Hale, E. C., Loggins, Y., Higgins, R. D., Archer, S. W., Sokol, G. M., Poindexter, B. B., Wilson, L. D., Gunn, S., Smiley, L., Shepherd, E. G., Nelin, L. D., Jadcherla, S. R., Sánchez, P. J., Luzader, P. A., Fortney, C. A., Parikh, N. A., Clifford, B., Gutentag, J., Jones, M. E., Ulloa, J. A., Yossef, L., Ferns, E., Sharp, T., Wispe, J., Bonachea, E., Slaughter, J., Chicoine, L. G., Hart, B., Haines, K., Gulati, I., Hokenson, M., Bapat, R., Zaghoul, N., Seabrook, R., Bartman, T., Fuller, J., McGregor, S., Nist, M. D., Wolfe,



- T., Rodgers, E. A., Wallace, D., Zaterka-Baxter, K. M., Crawford, M., Eggleston, B., Gabrio, J., Gantz, M. G., McDonald, S. A., Newman, J. E., Auman, J. O. Donnell, Huitema, C. M. Petrie (2016). Advantages of Bayesian monitoring methods in deciding whether and when to stop a clinical trial: An example of a neonatal cooling trial. *Trials*, 17(1). DOI: 10.1186/s13063-016-1480-4
13. Kostadinov, S., **Shah, B. A.**, Alroy, J., Phornphutkul, C. (2014). A case of galactosialidosis with novel mutations of the protective protein/cathepsin a gene: diagnosis prompted by trophoblast vacuolization on placental examination. *Pediatric and developmental pathology : the official journal of the Society for Pediatric Pathology and the Paediatric Pathology Society*, 17(6), 474-7. PMID: 25075748. DOI: 10.2350/14-05-1500-CR.1
  14. **Shah, B. A.**, Lim, Y.-P., Padbury, J. (2014). Rapid Detection of Neonatal Immune System Activation. *Open Forum Infectious Diseases*, 1(suppl\_1), S352-S352. DOI: 10.1093/ofid/ofu052.890
  15. **Shah, B. A.**, Padbury, J. F. (2014). 50 years ago in the Journal of Pediatrics: the behavior of the lower esophageal sphincter in infants and its relationship to gastroesophageal regurgitation. *The Journal of pediatrics*, 164(1), 88. PMID: 24359904. DOI: 10.1016/j.jpeds.2013.08.006
  16. Shankaran, S., Laptook, A. R., Pappas, A., McDonald, S. A., Das, A., Tyson, J. E., Poindexter, B. B., Schibler, K., Bell, E. F., Heyne, R. J., Pedroza, C., Bara, R., Van Meurs, K. P., Grisby, C., Huitema, C. M. Petrie, Garg, M., Ehrenkranz, R. A., Shepherd, E. G., Chalak, L. F., Hamrick, S. E. G., Khan, A. M., Reynolds, A. M., Laughon, M. M., Truog, W. E., Dysart, K. C., Carlo, W. A., Walsh, M. C., Watterberg, K. L., Higgins, R. D., Caplan, M. S., Polin, R. A., Keszler, M., Vohr, B. R., Hensman, A. M., Vierira, E., Little, E., Sommers, R., **Shah, B. A.**, Guerina, N., McKinley, L. T., Caskey, M., Halbrook, A., Burke, R. T., Hibbs, A. M., Newman, N. S., Pallotto, E. K., Kilbride, H. W., Gauldin, C., Holmes, A., Johnson, K., Kallapur, S. G., Alexander, B., Fischer, E. E., Gratton, T. L., Jackson, L., Jennings, J., Kirker, K., Muthig, G., Wuertz, S., Goldberg, R. N., Finkle, J., Fisher, K. A., Grimes, S., Bose, C. L., Bernhardt, J., Clark, C., Stoll, B. J., Carlton, D. P., Hale, E. C., Loggins, Y., Archer, S. W., Sokol, G. M., Wilson, L. D., Herron, D. E., Gunn, S., Smiley, L., Jadcherla, S. R., Sánchez, P. J., Luzader, P., Fortney, C. A., Besner, G. E., Parikh, N. A., Wallace, D., Zaterka-Baxter, K. M., Crawford, M., Gabrio, J., Gantz, M. G., Newman, J. E., Auman, J. O. Donnell, Nolen, T. L., Stevenson, D. K., Ball, M. B., Adams, M. M., Davis, A. S., Kibler, C., Parker, J. R., Proud, M. S., Wong, R. J., Ambalavanan, N., Collins, M. V. (2014). Effect of depth and duration of cooling on deaths in the NICU among neonates with hypoxic ischemic encephalopathy a randomized clinical trial. *JAMA - Journal of the American Medical Association*, 312(24), 2629-2639. DOI: 10.1001/jama.2014.16058
  17. **Shah, B. A.**, Padbury, J. F. (2014). Neonatal sepsis: an old problem with new insights. *Virulence*, 5(1), 170-8. PMID: 24185532. DOI: 10.4161/viru.26906
  18. Passannante, M. R., Franks, J., Khalil, G., Colson, P. W., Ahamed, N., Napolitano, E., **Shah, B. A.** (2011). Incorporating Tuberculosis Content into Public Health Core Curricula: The TB Curriculum Development Project. *Public Health Reports (Washington, D.C. : 1974)*, 126(6), 881-9. PMID: 22043107. DOI: 10.1177/003335491112600616

### Book Chapters

1. **Shah, B. A.**, A. D., M. B. (2011). Autism Genetics: Chromosome 3, 17 and X. *Fieldwork, New Jersey Medical School-Department of Preventive Medicine and Community Health*. Rutgers (formerly UMDNJ) School of Public Health.

### Published Abstracts

1. Sandhu, T.\*, **Shah, B. A.** (2020). *Effect of Rotating Providers on Chest Compression Performance*

- during a Simulated Neonatal Cardiopulmonary Resuscitation (2nd ed., vol. 67, pp. 611-612). Journal of Investigative Medicine. DOI: 10.1136/jim-2018-000974.658
2. Natha, N. R., **Shah, B. A.** (2019). *A Case of Congenital CMV* (2nd ed., vol. 67, pp. 496-496). Journal of Investigative Medicine. DOI: 10.1136/jim-2018-000974.370
  3. Alexander, T. T., Wilson, L. M., Dionne, C., **Shah, B. A.** (2019). *A Novel Three Dimension Motion Capture Technology to Evaluate Human Performance During Simulated Neonatal Resuscitation* (2nd ed., vol. 67, pp. 611-612). Journal of Investigative Medicine. DOI: 10.1136/jim-2018-000974.658
  4. **Shah, B. A.**, May, R. R., Comarda, L. N., Wlodaver, A. G. (2019). *Development and Integration of a Perinatal Palliative Care Program at a Tertiary Care Center* (2nd ed., vol. 67, pp. 533-533). Journal of Investigative Medicine. DOI: 10.1136/jim-2018-000974.461
  5. Ahmed, S. T., Anderson, M., Szyld, E. G., Wlodaver, A. G., **Shah, B. A.** (2019). *Effects of Change in the Delivery Room Management with the NRP-Recommended ECG Monitoring* (2nd ed., vol. 67, pp. 509-509). Journal of Investigative Medicine. DOI: 10.1136/jim-2018-000974.403
  6. **Shah, B. A.**, Wlodaver, A. G., Blunt, M., McCoy, M., Escobedo, M. B., Szyld, E. G. (2018). *Implementing Electrocardiographic Monitoring During Neonatal Resuscitation in the Delivery Room: A New Challenge* (2nd ed., vol. 66, pp. 430). British Medical Association House, Tavistock Square, London WC1H 9JR: Journal of Investigative Medicine, BMJ Publishing Group. DOI: 10.1136/jim-2017-000697.192
  7. **Shah, B. A.**, Migliori, A., Lim, Y., Padbury, J. (2016). *Circulating Levels of Inter-Alpha Inhibitor Inversely Correlate with Predictive Model for Illness Severity in Neonates with Necrotizing Enterocolitis, Spontaneous Intestinal Perforation and Matched Controls* (2nd ed., vol. 64, pp. 617-617). British Medical Association House, Tavistock Square, London WC1H 9JR: BMJ Publishing Group. DOI: 10.1136/jim-2015-000035.320
  8. **Shah, B. A.**, Lim, Y.-P., Padbury, J. (2015). *A Bedside Point-of-Care Novel Biomarker to Differentiate Necrotizing Enterocolitis From Isolated Intestinal Perforation in Neonatal Intensive Care Unit* (suppl\_1 ed., vol. 2). Open Forum Infectious Diseases. DOI: 10.1093/ofid/ofv131.24

## Other

1. Laptook, A. R., Shankaran, S., Tyson, J. E., Munoz, B., Bell, E. F., Goldberg, R. N., Parikh, N. A., Ambalavanan, N., Pedroza, C., Pappas, A., Das, A., Chaudhary, A. S., Ehrenkranz, R. A., Hensman, A. M., Van Meurs, K. P., Chalak, L. F., Hamrick, S. E.G., Sokol, G. M., Walsh, M. C., Poindexter, B. B., Faix, R. G., Watterberg, K. L., Frantz, I. D., Guillet, R., Devaskar, U., Truog, W. E., Chock, V. Y., Wyckoff, M. H., McGowan, E. C., Carlton, D. P., Harmon, H. M., Brumbaugh, J. E., Cotten, C. M., Sánchez, P. J., Hibbs, A. M., Higgins, R. D. (2018). *Effect of Therapeutic Hypothermia Initiated after 6 Hours of Age on Death or Disability among Newborns with Hypoxic-Ischemic Encephalopathy: A Randomized Clinical Trial* (3rd ed., vol. 73, pp. 141-143). Obstetrical and Gynecological Survey. DOI: 10.1097/01.ogx.0000531330.03991.1a
2. **Shah, B. A.** (2017). *Erratum: Effect of therapeutic hypothermia initiated after 6 hours of age on death or disability among newborns with hypoxic-ischemic encephalopathy: A randomized clinical trial (JAMA (2017) 318:16 (1550-1560) DOI: 10.1001/jama.2017.14972)* (10th ed., vol. 319, pp. 1051). JAMA - Journal of the American Medical Association. DOI: 10.1001/jama.2018.1558
3. Shankaran, S., Laptook, A. R., Pappas, A., McDonald, S. A., Das, A., Tyson, J. E., Poindexter, B. B., Schibler, K., Bell, E. F., Heyne, R. J., Pedroza, C., Bara, R., Meurs, K. P., Van, Grisby, C., Huitema, C. M., Petrie, Garg, M., Ehrenkranz, R. A., Shepherd, E. G., Chalak, L. F., Hamrick, S.

E.G., Khan, A. M., Reynolds, A. M., Laughon, M. M., Truog, W. E., Dysart, K. C., Carlo, W. A., Walsh, M. C., Watterberg, K. L., Higgins, R. D. (2015). *Effect of depth and duration of cooling on deaths in the NICU among Neonates with hypoxic ischemic encephalopathy: A randomized clinical trial* (4th ed., vol. 70, pp. 235-238). *Obstetrical and Gynecological Survey*. DOI: 10.1097/01.ogx.0000464928.25351.ae

### **Innovative Teaching Materials - Peer-Reviewed/Refereed**

1. **Shah, B. A.** (2020). *Briefing and debriefing*, Just-in-time, OUHSC/SCM, Reviewed/Refereed: 2020 by Neonatal-Perinatal Medicine Program.
2. **Shah, B. A.** (2020). *Laryngeal Mask Ventilation*, Training Video, OUHSC/SCM, Reviewed/Refereed: 2020 by Neonatal-Perinatal Medicine Program.
3. **Shah, B. A.** (2020). *Therapeutic Hypothermia*, Decision Tree, OUHSC/SCM, Reviewed/Refereed: 2019 by Neonatal-Perinatal Medicine.
4. **Shah, B. A.** (2020). *Perinatal Palliative Care*, Guidelines, OUHSC/SCM, Reviewed/Refereed: 2019 by Pediatric Palliative Care.
5. **Shah, B. A.** (2018). *Respiratory Transition After Birth*, Algorithm, OUHSC/SCM, Reviewed/Refereed: 2018 by Transition Labor Consultation (TLC) Team.
6. **Shah, B. A.** (2017). *Heart rate monitoring during delivery room resuscitation*, Quality improvement initiative, OUHSC/SCM, Reviewed/Refereed: 2016 by Transition Labor Consultation (TLC) Team.

### **Innovative Teaching Materials - Non Peer-Reviewed/Refereed**

1. **Shah, B. A.** (2014). *Home Care of the Infant with Chronic Lung Disease: A Guide for Parents*, Handbook, Family Advisory Council, Care New England.
2. **Shah, B. A., L. H.** (2014). *Home Care of the Infant with Chronic Lung Disease: A Guide for the Parents*, Women and Infant's Hospital of Rhode Island.
3. **Shah, B. A.** (2009). *Public Health Core Curriculum on Tuberculosis*, International Center of Public Health.

## **PRESENTATIONS**

### **Abstracts**

\* indicates mentee

#### **National/International**

1. Jan, B. \*, **Shah, B. A.**, "Epinephrine usage during neonatal resuscitation in the delivery room at a regional tertiary care center", Pediatric Academic Societies Annual Meeting, Society of Pediatric Research, Philadelphia, Accepted, Poster. 2020.
2. Sandhu, T. \*, Szyld, E., Anderson, M., **Shah, B. A.**, "Effect of Rotating Providers on Chest Compression Performance during a Simulated Neonatal Cardiopulmonary Resuscitation", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract. 2020.
3. Wang, H., Liang, Peng, H., **Shah, B. A.**, Gu, H., Zhang, "A New Male Case of Kagami-Ogata Syndrome Caused by Paternal Unipaternal Disomy 14 Resulting from Robertsonian

- Translocation", Annual Meeting, Western Medical Research Conference (WMRC), Carmel, CA, Accepted, Published Abstract. January 24, 2020.
4. **Shah, B. A.**, May, R. R., White, L., Wlodaver, A. G., "Development and Integration of a Perinatal Palliative Care Program at a Tertiary Care Center", Annual Meeting, Pediatric Academic Societies (PAS), Baltimore, MD, Accepted, Published Abstract E-PAS2019:1805.39. April 2019.
  5. Ahmed, S.\*, Anderson, M., Szyld, E. G., Wlodaver, A. G., **Shah, B. A.**, "Impact of electrocardiographic monitoring on resuscitation and outcomes during transition at birth", Annual Meeting, Pediatric Academic Societies (PAS), Baltimore, MD, Accepted, Published Abstract E-PAS2019:2859.511. April 2019.
  6. Alexander, T.\*, Wilson, L., Dione, C., **Shah, B. A.**, "A Novel Three Dimension Motion Capture Technology to Evaluate Human Performance During Simulated Neonatal Resuscitation", Annual Meeting, Pediatric Academic Societies (PAS), Baltimore, MD, Accepted, Published Abstract E-PAS2019:2860.524. April 2019.
  7. Natha, N.\*, **Shah, B. A.**, "A Case of Congenital CMV", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #372. February 2019.
  8. **Shah, B. A.**, May, R. R., White, L., Wlodaver, A. G., "Perinatal Palliative Care Program: The Oklahoma Experience", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #463. February 2019.
  9. Alexander, T.\*, Wilson, L., Dione, C., **Shah, B. A.**, "Evaluating Ergonomics/Human Factors Using a Neonatal Patient Manikin", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #652. February 2019.
  10. Pang, H., Wang, H., Wright, A., **Shah, B. A.**, Li, S., "Atypical Clinical Phenotypes of CHARGE Syndrome Diagnosed by Whole Exome Sequencing with Identification of Novel Pathogenic Variants", Annual Meeting, American Society of Human Genetics (ASHG), San Diego, CA, Invited, Published Abstract #1245W. October 2018.
  11. Atchley, C. B., Bhatti, F. N., Chaaban, H., Makkar, A., **Shah, B. A.**, Vieira, F., Williams, P. K., Miller, J., Bedwell, S., Helmbrecht, A., Manfredo, A., Satnes, K., "Antibiotic Stewardship: Judicious Use of Vancomycin for Late-Onset Sepsis in a Level 4 NICU", Annual Quality Congress (18072), Vermont Oxford Network (#B89), Chicago, IL, Invited, Published Abstract. September 2018.
  12. Latremouille, S., **Shah, B. A.**, Chawla, S., Keszler, M., Tucker, R., Laptook, A., Sant'Anna, G., "Late Preterm Infants: Early Measurements of Heart Rate Variability and Amplitude-Integrated Electro Encephalography Correlate with Time to Reach Clinical Milestones", Annual Meeting, Pediatric Academic Societies (PAS), Toronto, ON, Accepted, Published Abstract E-PAS2018:4135.335. May 2018.
  13. Chaaban, H., Makkar, A., **Shah, B. A.**, Ernst, K. D., Melek, M., Wlodaver, A. G., Williams, P. K., Milam, J., Manfredo, A., Helmbrecht, A., Sekar, K. C., "Neonatal Early-Onset Sepsis Risk Calculator: A Tale of Two Centers", Annual Meeting, Pediatric Academic Societies (PAS), Toronto, ON, Accepted, Published Abstract E-PAS2018:4148.460. May 2018.
  14. **Shah, B. A.**, Wlodaver, A. G., Foulks, A. F., Blunt, M., Gibson, T., McCoy, M., Escobedo, M. B., Szyld, E. G., "Analysis of Processes Related to Implementation of Cardiac Monitoring of Revised Neonatal Resuscitation Guidelines", American Academy of Pediatrics, Poster. 2017.
  15. **Shah, B. A.**, Padbury, J., Anderson, M., Szyld, E. G., Holick, M., Gordon, C., "Association of

Circulating 25-Hydroxyvitamin D Concentrations with Neonatal Outcomes in Extremely Low Birth Weight Infants", Annual Meeting, Pediatric Academic Societies (PAS), San Francisco, CA, Accepted, Published Abstract E-PAS2017:3803.5 (255887.2679376). May 2017.

16. Latremouille, S., **Shah, B. A.**, Chawla, S., Laptook, A., Sant'Anna, G., "Late Preterm Infants: Early Measurements of Heart Rate Variability Correlate with Time to Wean to Open Cots and Achieve Full Feeds", Annual Meeting, Pediatric Academic Societies (PAS), San Francisco, CA, Accepted, Published Abstract E-PAS2017:4127.1(256389.2694296). May 2017.
17. Wang, H., **Shah, B. A.**, Graham, W., Gaffney, P., Wierenga, K. J., "Identifying Causative Variants in PIGN Gene in Fryns Syndrome by Homozygosity Mapping and Whole Exome Sequencing - A Family Study", Annual Clinical Genetics Meeting, American College of Medical Genetics and Genomics (ACMG), Phoenix, AZ, Invited, Published Abstract #403. March 2017.
18. Garfinkle, J., Prempunpong, C., Chalak, L., Rollins, N., Thayyil, S., Sanchez, P., Pappas, A., Nguyen, K. A., **Shah, B. A.**, Kalra, V., Mir, I., Boyle, R., Shankaran, S., Laptook, A., Sant'Anna, G., "Prospective Research in Infants with Mild Encephalopathy - the PRIME Study", Annual Meeting, Pediatric Academic Societies (PAS), Baltimore, MD, Accepted, Published Abstract E-PAS2016:4116.153. May 2016.
19. **Shah, B. A.**, Migliori, A., Lim, Y., Shah, J. P., "Circulating Levels of Inter-Alpha Inhibitor Inversely Correlate with Predictive Model for Illness Severity in Neonates with Necrotizing Enterocolitis, Spontaneous Intestinal Perforation and Matched Controls", Annual Meeting, Pediatric Academic Societies (PAS), Baltimore, MD, Accepted, Published Abstract E-PAS2016:4160.492. May 2016.
20. **Shah, B. A.**, "Circulating Levels of Inter-Alpha Inhibitor Inversely Correlate with Predictive Model for Severity of Illness in Neonates with Necrotizing Enterocolitis", 37th Western Central Conference on Perinatal Research, American Academy of Pediatrics (AAP), Palm Springs CA, Invited, Published Abstract. January 2016.
21. **Shah, B. A.**, Lim, Y. P., Padbury, J., "A Bedside Point-of-Care Novel Biomarker to Differentiate Necrotizing Enterocolitis from Isolated Intestinal Perforation in Neonatal Intensive Care Unit", IDWeek, San Diego, CA, Invited, Published Abstract #104/Presentation. October 2015.
22. **Shah, B. A.**, "Acute Neonatal Abdominal Surgical Emergencies", 86th Perinatal and Developmental Medicine Symposium, Aspen, CO, Invited, Oral Presentation. June 2015.
23. **Shah, B. A.**, Krueger, P., Lim, Y. P., Sharma, S., Padbury, J., "Inter-Alpha Inhibitor Protein is Superior to C-Reactive Protein as a Biomarker to Differentiate Necrotizing Enterocolitis from Spontaneous Intestinal Perforation", Annual Meeting, Pediatric Academic Societies (PAS), San Diego, CA, Accepted, Published Abstract E-PAS2015:162 & E-PAS2015:2300.2. April 2015.
24. **Shah, B. A.**, Hall, J., Santoso, A., Qui, J., Lim, Y. P., Padbury, J., "Development of Point-of-Care Rapid Test of Inter-Alpha Inhibitor Proteins for Early Detection of Neonatal Sepsis and Necrotizing Enterocolitis", Annual Meeting, Pediatric Academic Societies (PAS), San Diego, CA, Accepted, Published Abstract E-PAS2015:270 & E-PAS2015:4146.352. April 2015.
25. **Shah, B. A.**, Hall, J., Santoso, A., Qui, J., Lim, Y. P., Padbury, J., "Development of Point-of-Care Rapid Test of Inter-Alpha Inhibitor Proteins for Early Detection of Neonatal Sepsis", Annual Meeting, Eastern Society for Pediatric Research, Philadelphia, PA, Accepted, Published Abstract. March 2015.
26. **Shah, B. A.**, Krueger, P., Lim, Y. P., Sharma, S., Padbury, J., "Inter-Alpha Inhibitor Protein is Superior to C-Reactive Protein as a Biomarker to Differentiate Necrotizing Enterocolitis from Spontaneous Intestinal Perforation", Annual Meeting, Eastern Society for Pediatric Research,

Philadelphia, PA, Accepted, Published Abstract. March 2015.

27. **Shah, B. A.**, Lim, Y. P., Padbury, J., "Rapid Detection of Neonatal Immune System Activation", IDWeek, Philadelphia, PA, Invited, Published Abstract #1344 (44399). October 2014.
28. **Shah, B. A.**, Lim, Y. P., Padbury, J., "Intestinal Perforations in Premature Infants: A Diagnostic Conundrum", National Conference and Exhibition, American Academy of Pediatrics (AAP), San Diego, CA, Invited, Published Abstract #23583. October 2014.

### Local/Regional

1. Pang, H., Wang, H., Wright, A., **Shah, B. A.**, Li, S., "Atypical Clinical Phenotypes of CHARGE Syndrome Diagnosed by Whole Exome Sequencing with Identification of Novel Pathogenic Variants", OU COM Pediatrics Research Day, University of Oklahoma Health Sciences Center, Oklahoma City, OK, Invited, Published Abstract. March 2019.
2. Ahmed, S.\*, Anderson, M., Szyld, E. G., Wlodaver, A. G., **Shah, B. A.**, "Effects of Change in the Delivery Room Management with the NRP-Recommended ECG Monitoring", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #405. February 2019.
3. **Shah, B. A.**, "A Different Approach to Ventilation: An Infant Case", Pediatric Respiratory Care Conference, Invited, Published Abstract. July 26, 2018.
4. **Shah, B. A.**, Wlodaver, A. G., Blunt, M., McCoy, M., Escobedo, M. B., Szyld, E. G., "Implementing Electrocardiographic Monitoring During Neonatal Resuscitation in the Delivery Room: A New Challenge", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #321. February 2018.
5. **Shah, B. A.**, "Update on Neonatal Care - Welcoming the New Kid in Town", 42nd Annual Advances in Pediatrics, Oklahoma American Academy of Pediatrics (OKAAP), Invited, Published Abstract. April 2016.
6. **Shah, B. A.**, "Principles of Mechanical Ventilation", Evidence-Based Medicine Seminar for Respiratory Therapists, Invited, Published Abstract. March 2016.
7. **Shah, B. A.**, Migliori, A., Lim, Y., Shah, J. P., "Circulating Levels of Inter-Alpha Inhibitor Inversely Correlate with Predictive Model for Illness Severity in Neonates with Necrotizing Enterocolitis, Spontaneous Intestinal Perforation and Matched Controls", Annual Meeting, Southern Society for Pediatric Research (SSPR), New Orleans, LA, Accepted, Published Abstract #278. February 2016.
8. **Shah, B. A.**, Padbury, J., "Inter-Alpha Inhibitors Predict Severity of Illness in Neonates", Changing Seasons in Neonatology-the 19th Annual Conference, Oklahoma City, OK, Accepted, Poster. November 2015.
9. **Shah, B. A.**, Davidow, A., Brimacombe, M., "Linkage Analysis in Autism Spectrum Phenotypes", Annual Research Day, Drexel University College of Medicine, New Brunswick, NJ, Invited, Poster. May 2012.

## Other Presentations

\* indicates mentee

### **National/International**

1. **Shah, B. A.**, ""Stunned" @Birth: A Case for the Comprehensive Care Team", Pediatrics Grand Rounds, Children's Hospital at Saint Peter's University Hospital, New Brunswick, NJ, Invited, Oral Presentation. April 2018.

### **Local/Regional**

1. **Shah, B. A.**, "Hypoxic-Ischemic Encephalopathy", Grand Rounds, Comanche County Memorial Hospital, Lawton OK, Invited, Oral Presentation. 2020.
2. **Shah, B. A.**, "What all the pediatricians need to know about therapeutic hypothermia?", Perinatal Outreach and Education Seminar, St. Anthony Shawnee Hospital, SSM Health, Shawnee OK, Invited, Workshop. 2020.

## **TEACHING AND INSTRUCTION**

### **Teaching and Course Instruction – OUHSC/SCM**

<b>Year(s) of Instruction</b>	<b>Course ID</b>	<b>Course/Lecture Title</b>	<b>Role</b>	<b>Avg. Contact Hrs/Year</b>	<b>Primary Learner Audience</b>
Fall 2019 - Present		Neonatal Encephalopathy	Attending Physician		Physicians, nurses, practitioners
Fall 2018 - Present		Transition At Birth	Attending Physician		Allied Health
Fall 2017 - Present		Newborn Resuscitation Team	Instructor		Physicians, nurses, practitioners, respiratory therapists, trainees
Winter 2017		Perinatal Pharmacist Rotation, Neonatal Intensive Care Unit (NICU)	Attending Physician		Pharmacy
Summer 2016		MSIII Pediatrics Clerkship Day, Neonatal Intensive Care Unit (NICU)	Attending Physician		MSIII

### **Graduate Medical Education (GME) Instruction Delivered**

<b>Date</b>	<b>Course Name or Session Topic</b>	<b>Role</b>	<b>Number of Instruction Hours</b>	<b>Primary Learner Audience</b>	<b>Sponsoring Department or Organization</b>
2015 - Present	Clinical Instruction	Attending Physician	40 hr(s) Annually	Residents	Level II Neonatal Intensive Care Unit (NICU), Comanche County Memorial Hospital, Lawton, OK
2015 - Present	Clinical Instruction	Attending Physician	40 hr(s) Annually	Residents	Level II Neonatal Intensive Care Unit (NICU), Saint Anthony Hospital, Oklahoma City, OK
2015 - Present	Clinical Instruction	Attending Physician	210 hr(s) Annually	Residents and Fellows	Department of Pediatrics

Date	Course Name or Session Topic	Role	Number of Instruction Hours	Primary Learner Audience	Sponsoring Department or Organization
2015 - Present	Didactic Lectures	Attending Physician	3 hr(s) Weekly	Residents and Fellows	Department of Pediatrics
August 2019	Physiology Lecture: "Maternal Fetal Medicine - Clinical Evaluation of Newborn"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
July 2019	Transitional, Labor & Consultation (TLC) Team Conference: "Laryngeal Mask"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
June 2019	Clinical Instruction: Neonatal Resuscitation Program (NRP)	Instructor Mentor		Residents and Interns	University of Oklahoma College of Medicine
May 2019	Neonatal-Perinatal Medicine Conference: "Neuro-Pathology Conference - NemaLine Myopathy (NEB Gene)"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
May 2019	Physiology Lecture: "Perinatal-Chorioamnionitis"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
March 2019	Neonatal-Perinatal Medicine Conference: "Mortality Conference - Pulmonary Hypoplasia"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
March 2019	Physiology Lecture: "Perinatal-Intra-Uterine Growth Restriction"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
October 2018	Physiology Lecture: "Lung-Liquid Secretion and Absorption"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
September 2018	Transitional, Labor & Consultation (TLC) Team Conference: "Perinatal Nurse, Benchmarking"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
June 2018	Clinical Instruction: Neonatal Resuscitation Program (NRP)	Instructor Mentor		Residents and Interns	University of Oklahoma College of Medicine
May 2018	Physiology Lecture: "Endocrine-Hypothalamic-Pituitary-Adrenal System Development"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
May 2018	Physiology Lecture: "Endocrine-Thyroid Physiology"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
March 2018	Neonatal-Perinatal Medicine Conference: "Mortality Conference - Multiple Congenital Anomalies Associated with PTPRT Gene Loss on 20q12"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
October 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Neonatal Resuscitation Symposium"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
September 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Transport Billing"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
August 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Transition Nursery"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
July 2017	Clinical Instruction: Fellows Boot Camp "Hypoxic-Ischemic Encephalopathy"	Instructor		Fellows	University of Oklahoma College of Medicine



<b>Date</b>	<b>Course Name or Session Topic</b>	<b>Role</b>	<b>Number of Instruction Hours</b>	<b>Primary Learner Audience</b>	<b>Sponsoring Department or Organization</b>
July 2017	Neonatal-Perinatal Medicine Conference: "Antibiotic Stewardship - NNC Orientation Teaching Day"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
June 2017	Clinical Instruction: Neonatal Resuscitation Program (NRP)	Instructor Mentor		Residents and Interns	University of Oklahoma College of Medicine
June 2017	Physiology Lecture: "Endocrine-Hypoglycemia"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
May 2017	Neonatal-Perinatal Medicine Conference: "Implementation & Education - Using Antibiotics Wisely"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
March 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Communication in Delivery Room"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
February 2017	Neonatal-Perinatal Medicine Conference: "Mortality Conference - Frys Syndrome"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
February 2017	Neonatal-Perinatal Medicine Conference: "Research - Vitamin D in Neonates"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
February 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Neonatal Resuscitation Cardiac Monitoring"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
January 2017	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (Automated Resuscitator, Chest Compression/Ventilation Ratio) and Periviable Policy"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
December 2016	Neonatal-Perinatal Medicine Conference: "Education - Fellows' QI Projects"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
December 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Outpatient Maternal Consults"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
November 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Utilization of Resuscitation Team"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
October 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Inpatient Maternal Consults"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
September 2016	Neonatal-Perinatal Medicine Conference: "Research - Heart Rate Assessment in Delivery Room"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
September 2016	Physiology Lecture: "Neurology-Intraventricular Hemorrhage"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
September 2016	Physiology Lecture: "Neurology-White Matter Injury"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics

<b>Date</b>	<b>Course Name or Session Topic</b>	<b>Role</b>	<b>Number of Instruction Hours</b>	<b>Primary Learner Audience</b>	<b>Sponsoring Department or Organization</b>
September 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (PEEP in DR)"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
August 2016	Neonatal-Perinatal Medicine Conference: "Education - Continuous Quality Improvement: Overview"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
August 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (Intubation Attempts, Consent for DR Research)"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
July 2016	Neonatal-Perinatal Medicine Conference: "QI, VON & NPIC Completed Data for 2015"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
July 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (Supraglottic Airway)"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
June 2016	Clinical Instruction: Neonatal Resuscitation Program (NRP) Skills Station and Mega Code	Instructor Mentor		Residents and Interns	University of Oklahoma College of Medicine
June 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (Targeted Oxygen in Preterm Resuscitation)"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
May 2016	Neonatal-Perinatal Medicine Conference: "PAS Report - MRI Injury in Mild and Moderate Neonatal Encephalopathy"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
May 2016	Transitional, Labor & Consultation (TLC) Team Conference: "Lit Review (Respiratory Transition at Birth)"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
April 2016	Neonatal-Perinatal Medicine Conference: "PAS Practice Session - Novel Biomarker of Necrotizing Enterocolitis"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
March 2016	Neonatal-Perinatal Medicine Conference: "SSPR Report - Outcome of Infants with Spontaneous Intestinal Perforation"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
February 2016	Neonatal-Perinatal Medicine Conference: "Research - VentFirst: Transitional Physiology"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
February 2016	Neonatal-Perinatal Medicine Conference: "SSPR Practice Session - Ial and SNAPPE-II"	Lecturer	1 hr(s)	Fellows	Department of Pediatrics
January 2016	Physiology Lecture: "Pulmonary-Assisted Ventilation"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics

Date	Course Name or Session Topic	Role	Number of Instruction Hours	Primary Learner Audience	Sponsoring Department or Organization
January 2016	Physiology Lecture: "Pulmonary-Respiratory Physiology"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
August 2015	Physiology Lecture: "Cardiac-Left-Sided Obstructive Lesions"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics
August 2015	Physiology Lecture: "Cardiac-Right-Sided Lesions"	Lecturer	1 hr(s)	Fellows and Residents	Department of Pediatrics

**Professional and Continuing Education Instruction**

Date	Course Name or Session Topic	Role	Number of Instruction Hours	Primary Learner Audience	Sponsoring Department or Organization
May 2019	Grand Rounds: Impact of ECG Monitoring on Neonatal Resuscitation Outcomes	Presenter	1 hr(s)	Faculty	Department of Pediatrics, Oklahoma City, OK
May 2019	Neonatal-Perinatal Medicine Conference: Neuro-Pathology Conference - NemaLine Myopathy (NEB Gene)	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
March 2019	Neonatal-Perinatal Medicine Conference: Mortality Conference - Pulmonary Hypoplasia	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
March 2018	Neonatal-Perinatal Medicine Conference: Mortality Conference - Multiple Congenital Anomalies Associated with PTPRT Gene Loss on 20q12	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
July 2017	Neonatal-Perinatal Medicine Conference: Antibiotic Stewardship, NNC Orientation Teaching Day	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
May 2017	Neonatal-Perinatal Medicine Conference: Implementation and Education - Using Antibiotics Wisely	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK

<b>Date</b>	<b>Course Name or Session Topic</b>	<b>Role</b>	<b>Number of Instruction Hours</b>	<b>Primary Learner Audience</b>	<b>Sponsoring Department or Organization</b>
February 2017	Neonatal-Perinatal Medicine Conference: Mortality Conference - Fryns Syndrome	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
February 2017	Neonatal-Perinatal Medicine Conference: Research - Vitamin D in Neonates	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
September 2016	Neonatal-Perinatal Medicine Conference: Research - Heart Rate Assessment in Delivery Room	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
August 2016	Neonatal-Perinatal Medicine Conference: Education - Continuous Quality Improvement: Overview	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
July 2016	Neonatal-Perinatal Medicine Conference: QI, VON & NPIC Completed Data for 2015	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
May 2016	Neonatal-Perinatal Medicine Conference: PAS Report - MRI Injury in Mild & Moderate Neonatal Encephalopathy	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty	Department of Pediatrics, Oklahoma City, OK
April 2016	Neonatal-Perinatal Medicine Conference: PAS Practice Session - Novel Biomarker of Necrotizing Enterocolitis	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty	Department of Pediatrics, Oklahoma City, OK
March 2016	Neonatal-Perinatal Medicine Conference: SSPR Report - Outcome of Infants with Spontaneous Intestinal Perforation	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty	Department of Pediatrics, Oklahoma City, OK
February 2016	Neonatal-Perinatal Medicine Conference: Research - VentFirst: Transitional Physiology	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty, Advanced Practice Providers	Department of Pediatrics, Oklahoma City, OK
February 2016	Neonatal-Perinatal Medicine Conference: SSPR Practice Session - Ial and SNAPPE-II	Presenter	1 hr(s)	Neonatal - Perinatal Medicine Faculty	Department of Pediatrics, Oklahoma City, OK

**Mentoring and Advising**

<b>Date</b>	<b>Mentee Name</b>	<b>Mentee Level/Program</b>	<b>Role/Involvement Type</b>	<b>Mentee Outcomes</b>
2019 - Present	Bryan Jan, MD	Medical Student, Medical School, College of Medicine, University of Oklahoma Health Sciences Center	Mentor	Pediatrics Residency
2019 - Present	Courtney Massey, DO	Resident, Pediatric Residency Program, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Neonatal-Perinatal Fellowship
2019 - Present	Lisa Settle, DO	Resident, Pediatric Residency Program, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Pediatric Critical Care Fellowship
2018 - Present	Nikita Natha, MD	Resident, Pediatric Residency Program, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Pediatric Emergency Medicine Fellowship
2018 - Present	Syed Talha Ahmed, MD	Resident, Pediatric Residency Program, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Neonatal-Perinatal Fellowship at the University of Oklahoma
2017 - Present	Tamara Alexander, MD	Resident, Pediatric Residency Program, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Neonatal-Perinatal Fellowship at the University of Oklahoma
2017 - Present	Tavleen Sandhu, MD	Fellow, Neonatal-Perinatal Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor	Neonatal-Perinatal Faculty at the University of Oklahoma
2020	Nalini Dasari, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Coach -Neonatal-Perinatal Medicine Conference Lecture - "Thermo-regulation in the Delivery Room"	
2020	Tavleen Sandhu, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor - Randomized Controlled Crossover Study - "Effect of Rotating Providers on chest Compression Performance during Simulated Neonatal CPR"	Platform presentation at Southern Society of Pediatric Research
2020	Tavleen Sandhu, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor - Retrospective Study - "Characteristics and outcomes of newly born infants receiving Epinephrine during delivery room resuscitation"	Platform presentation at Southern Society of Pediatric Research
2020	Lindsey Hannah, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Coach -Neonatal-Perinatal Medicine Conference Lecture - "Perinatal Consults"	

Date	Mentee Name	Mentee Level/Program	Role/Involvement Type	Mentee Outcomes
2019	Talha Ahmed, MD	Resident, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor - Scholarly Project - Electrocardiographic Monitoring during Neonatal Resuscitation	Pediatric Grand Rounds at the University of Oklahoma
2019	Tamara Alexander, MD	Resident, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Mentor - Simulation Study - "Motion Technology to Evaluate Human Performance During Simulated Neonatal Resuscitation"	Platform presentation at Southern Society of Pediatric Research
2017	Michael Melek, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Advisor -Neonatal-Perinatal Medicine Conference Lecture - "Supraventricular Tachyarrhythmia"	
2017	Lauren Comarda, DO	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Advisor -Neonatal-Perinatal Medicine Conference Lecture - "SCID Newborn Screening"	
2016	Lauren Comarda, DO	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Advisor -Neonatal-Perinatal Medicine Conference Lecture - "Placental Implantation Abnormalities"	
2016	Frederico Vieira, MD	Fellow, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK	Advisor -Neonatal-Perinatal Medicine Conference Lecture - "Neonatal Cholestasis Due to Thyroid Dysfunction"	

## CLINICAL SERVICE

### Clinical/Patient Care

Attending Physician, Labor and Delivery/Transitional Unit Service, Saint Anthony Hospital, Oklahoma City, OK, 2015 - Present, Active

Attending Physician, 4 weeks per year and Telemedicine, Level II Neonatal Intensive Care Unit (NICU), Comanche County Memorial Hospital, Lawton, OK, 2015 - Present, Active

Attending Physician, 4 weeks per year, Level II Neonatal Intensive Care Unit (NICU), Saint Anthony Hospital, Oklahoma City, OK, 2015 - Present, Active

Attending Physician, 14 weeks per year, Neonatal Intensive Care Unit (NICU)/Labor and Delivery (L&D), Children's Hospital at OU Medical Center, Oklahoma City, OK, 2015 - Present, Active

Attending Physician, 4 Nights, Newborn Service, Children's Hospital at OU Medical Center, Oklahoma City, OK, 2015 - Present, Active

Attending Physician, 13 weekends, Newborn Nursery, Women & Infants Hospital, Providence, RI, 2013 - 2015

## **ORGANIZATIONAL SERVICE**

### **Organizational Administration and Leadership**

#### ***Department***

Director, Newborn Resuscitation Program, University of Oklahoma Health Sciences Center (OUHSC), 2019 - Present

Graduate Medical Education (GME) QI Coach, Neonatal-Perinatal Fellowship Program, University of Oklahoma Health Sciences Center (OUHSC), 2016 - 2017

Developer, Template for Continuous Quality Improvement Curriculum, Department of Pediatrics, Neonatal-Perinatal Medicine Fellowship Program, 2015 - 2016

### **Organizational Committee Service**

#### ***Campus/University***

Member, Perinatal Palliative Care Program, University of Oklahoma Health Sciences Center (OUHSC), 2019 - Present

Member, TCH Code Blue Committee, The Children's Hospital at OU Medical Center, 2019 - Present

Member, Low Apgar and NICU Admissions Committee, The Children's Hospital at OU Medical Center, 2018 - Present

Member, Antibiotic Stewardship Collaborative, The Children's Hospital at OU Medical Center, 2017 - Present

Member, Neonatal Infection Prevention Workgroup, Oklahoma Perinatal Quality Improvement (OPQIC), 2016 - Present

Member, GME Neonatal-Perinatal Fellow Recruitment Committee, University of Oklahoma Health Sciences Center (OUHSC), 2015 - Present

Member, Neonatal Mortality Committee OUHSC, The Children's Hospital at OU Medical Center, 2016 - 2017

Member, Faculty Search Committee, Neonatal-Perinatal Medicine, University of Oklahoma Health Sciences Center (OUHSC), 2015 - 2017

Review Committee Member, Pediatrics 11th Annual Research Day, University of Oklahoma Health Sciences Center (OUHSC), May 2017

Member, Oklahoma Perinatal Quality Improvement Collaborative, University of Oklahoma Health Sciences Center (OUHSC), 2015 - 2016

Organizing Committee Member, Oklahoma American Academy of Pediatrics (OKAAP) 42nd Annual Advances in Pediatrics: Update on Neonatal Care - Welcoming the New Kid in Town, University of Oklahoma Health Sciences Center (OUHSC), April 2016

Member, Infant Code Committee, Women and Infant's Hospital, Providence, RI, 2013 - 2015

Member, Newborn Screening Committee, Women and Infant's Hospital, Providence, RI, 2013 - 2015

**Department**

Member, NICU Development/Leadership Recruitment, St. Anthony Hospital, Oklahoma City, OK, 2016 - 2017

**PROFESSIONAL SERVICE**

**National/International**

Abstract Reviewer, Annual Meeting, Pediatric Academic Societies (PAS), 2018 - Present

Steering Committee Member and Moderator, Annual Symposium on Neonatal Resuscitation, 2017 - Present

Instructor Mentor, AHA AAP Neonatal Resuscitation Program (NRP), OK, 2015 - Present

Member, Mentorship Program, American Academy of Pediatrics (AAP), 2015 - Present

Abstract Reviewer, National Conference and Exhibition Review Panel, American Academy of Pediatrics (AAP), 2019

Moderator, Western Central Conference on Perinatal Research, American Academy of Pediatrics (AAP), Indian Wells, CA, January 2016

Session Moderator, Neonatal GI Physiology & NEC, Annual Meeting, Pediatric Academic Societies (PAS), 2015

Instructor, AHA AAP Neonatal Resuscitation Program (NRP), RI, 2013 - 2015

Moderator, 39th New England Conference on Perinatal Research, American Academy of Pediatrics (AAP), Chatham, MA, October 2013

**Local/Regional**

Poster Mentor, Southern Society of Pediatric Research, Oklahoma City, OK, 2020 - Present

Abstract Reviewer and Poster Mentor, Pediatric Research Day, University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, 2017 - Present

**Editor, Editorial Board, Journal Reviewer**

Editorial Board Member, Neonatal Biology, 2016 - Present

Editorial Board Member, Bio Accent Journal of Pediatrics, 2015 - Present

**Ad-Hoc Reviewer:**

International Journal of Environmental Research and Public Health	2020
American Heart Association	2019 - 2020
Journal of Pediatric Infectious Diseases	2019 - 2020
American Journal of Perinatology	2019
Children	2019
Early Human Development	2019
Pediatric Research	2019



Bone	2018 - 2019
PLOS ONE	2018 - 2019
European Journal of Pediatrics	2018
Journal of Perinatology	2018
Archive of Disease in Childhood, Fetal and Neonatal Edition	2017
Resuscitation	2017
Jornal de Pediatria	2016
PLOS ONE	2015 - 2016
Society for Pediatric and Perinatal Epidemiologic Research	2014
The Journal of Pediatrics	2013
Virulence	2012
Public Health Reports	2009

## **MEDIA CONTRIBUTIONS**

Author, Elsevier Video Presentation, October 2016

Guest, OU Medicine news, July 23, 2015

## **PROFESSIONAL MEMBERSHIPS**

International Liaison Committee on Resuscitation (ILCOR)	May 5, 2018 - Present
Southern Society of Pediatric Research (SSPR)	2016 - Present
Faculty of 1000 (F1000)	2014 - Present
Fellows & Junior Faculty Section, Society of Pediatric Research (SPR)	2013 - Present
AAP, Section on Neonatal-Perinatal Medicine (AAP SoNPM)	2012 - Present
American Academy of Pediatrics (AAP)	2009 - Present
Infectious Disease Society of America (IDSA)	2013 - 2015
American Public Health Association (APHA)	2009 - 2011

## **PROFESSIONAL GROWTH AND DEVELOPMENT**

### **Seminars, Workshops, and Other Training**

Academy of Teaching Scholars, University of Oklahoma Health Sciences Center, Oklahoma City, OK, September 1, 2015 - Present

Professional Grant Development, Grant Training Center, January 27, 2020 - January 28, 2020

Masterclass in Scientific Writing and Publishing, Nature, June 19, 2019 - June 20, 2019

Write Winning Grant Proposals, IDeA States Pediatric Network, January 30, 2018

Health Information Curriculum and Training for Transformation Provider, Office of the National Coordinator Workforce Development Program, Houston, TX, January 2017

In-House IRB Training, University of Oklahoma Health Sciences Center, Oklahoma City, OK, September 23, 2015

### **Meetings and Conferences**

Hot Topics in Neonatology, The Nemours Foundation, December 2019 - Present

Oklahoma Shared Clinical and Translational Resources, Oklahoma City, OK, August 2018 - Present

Quarterly Writing Retreat, University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, September 29, 2017 - Present

Faculty Senate Meeting, University of Oklahoma Health Sciences Center, Oklahoma City, OK, June 21, 2016 - Present

Annual Meeting, Oklahoma Chapter American Academy of Pediatrics (OKAAP), Oklahoma City, OK, April 22, 2016 - Present

Southern Regional Meeting, Southern Society of Pediatric Research (SSPR), New Orleans, LA, February 2016 - Present

Annual Department of Pediatrics Research Day, University of Oklahoma Health Sciences Center (OUHSC), Oklahoma City, OK, 2016 - Present

Changing Seasons in Neonatology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, November 13, 2015 - Present

Harold Hamm Diabetes Center Annual Research Symposium, University of Oklahoma Health Sciences Center, Oklahoma City, OK, October 16, 2015 - Present

Oklahoma Perinatal Quality Improvement Collaborative, University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, September 25, 2015 - Present

Annual Education Day, Academy of Teaching Scholars, University of Oklahoma Health Sciences Center, Oklahoma City, OK, September 23, 2015 - Present

Cardiac Care Conferences, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK, July 1, 2015 - Present

Fetal Anomaly and Echo Conferences, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK, July 1, 2015 - Present

Journal Club, Neonatal-Perinatal Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK, July 1, 2015 - Present

Neonatal and Cardiac Mortality Conferences, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK, July 1, 2015 - Present

Professional Faculty Development Conferences, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK, July 1, 2015 - Present

Pediatric Academic Societies (PAS) Annual Meeting, 2014 - Present

National Conference, American Academy of Pediatrics (AAP), San Francisco, CA, 2017

New Insights into Bioactive Components from Human Milk, Oklahoma City, OK, June 28, 2016

30 Years of Developmental Care, Sooner NIDCAP Training Center, University of Oklahoma Health Sciences Center, Oklahoma City, OK, May 27, 2016

NEO Specialty Board Review, Orlando, FL, February 22, 2016

NeoPREP, American Academy of Pediatrics (AAP), Atlanta, GA, January 23, 2016

Vermont Oxford Network Annual Quality Congress, Chicago, IL, October 3, 2015

Annual MeetingS, Eastern Society of Pediatric Research, Philadelphia, PA, March 2014 - March 2015

National Conference, American Academy of Pediatrics (AAP), Boston, MA, 2013

National Conference, American Academy of Pediatrics (AAP), Orlando, FL, 2011

National Conference, American Academy of Pediatrics (AAP), Chicago, IL, 2010

**Other Professional Development**

Collaborative Institutional Training Initiative (CITI), University of Oklahoma Health Sciences Center, Oklahoma City, OK, November 6, 2015 - Present

Peer K Grant Writing Program, Society of Pediatric Research, 2018 - 2019