

# **CURRICULUM VITAE**

**JONATHAN LEE SLAUGHTER, M.D., MPH**

## **PRESENT TITLE AND AFFILIATION**

### **DUAL/JOINT APPOINTMENT**

Assistant Professor  
Department of Pediatrics  
The Ohio State University College of Medicine  
Columbus, OH

Principal Investigator and Attending Neonatologist  
Center for Perinatal Research  
Division of Neonatology  
Nationwide Children's Hospital  
Columbus, OH

## **CITIZENSHIP AND VISA STATUS**

U.S. Citizen

## **OFFICE ADDRESS**

Nationwide Children's Hospital  
575 Children's Crossroad  
Center for Perinatal Research  
Research III Building, WB5243  
Columbus, OH 43215

P: (614) 355-6624

F: (614) 355-5899

[Jonathan.Slaughter@nationwidechildrens.org](mailto:Jonathan.Slaughter@nationwidechildrens.org)

## **EDUCATION**

### **UNDERGRADUATE EDUCATION**

1996 – 2000	Catawba College Salisbury, NC	B.A., Biology Minors: History, Chemistry
-------------	----------------------------------	--

### **GRADUATE EDUCATION**

2000 – 2004	Wake Forest University School of Medicine Winston-Salem, NC	M.D.
2009 – 2012	The Ohio State University College of Public Health Columbus, OH	M.P.H.

### **POST-GRADUATE EDUCATION & TRAINING**

2004 – 2007	Medical University of South Carolina Charleston, SC	Residency, Pediatrics
2007 – 2010	Cincinnati Children's Hospital Medical Center Cincinnati, OH	Fellowship, Neonatology

## **ACADEMIC APPOINTMENTS**

7/2010 – 11/2010	Assistant Clinical Professor of Pediatrics The Ohio State University Columbus, OH
12/2010 – present	Assistant Professor of Pediatrics Center for Perinatal Research The Ohio State University Columbus, OH

## **STATE LICENSURE AND CERTIFICATIONS**

### **LICENSURE**

2007	Ohio (active)
------	---------------

## **CERTIFICATIONS**

2003 – present	Neonatal Resuscitation Program Provider
2004 – 2013	Pediatric Advanced Life Support Provider
2007 – present	American Board of Pediatrics, General Pediatrics
2010	Institute for Healthcare Improvement Open School Certificate of Completion- Basic Level
2012 – present	Sub-board Neonatal-Perinatal Medicine

## **SERVICE**

### **ACADEMIC ADMINISTRATIVE RESPONSIBILITIES**

2011 – 2012	Faculty Facilitator Nationwide Children’s Pediatric Resident Journal Club Columbus, OH
2012 – present	Faculty Advisor Nationwide Children’s Neonatal Fellow Journal Club Columbus, OH
2013 – 2014	Organizer Observational Research and Causal Inference Methodology Seminar Center for Perinatal Research, Nationwide Children’s Hospital Columbus, OH
2012 – 2014	Member The Research Institute at Nationwide Children’s Hospital, Research Information Technology Advisory Committee (RITAC)
2016 – 2017	Faculty Facilitator Nationwide Children’s Neonatal Fellow Evidence-Based Medicine (EBM) Seminar Columbus, OH

### **INSTITUTIONAL/LOCAL ACTIVITIES**

2004 – 2007	Member Catawba College Campus Ministry Endowment Advisory Committee Salisbury, NC
2007	Ohio Perinatal Quality Collaborative: Participant survey of proposed neonatal and obstetric interventions to prevent prematurity Advisor: Edward Donovan, M.D. Cincinnati Children’s Hospital Medical Center Cincinnati, OH

2006 – 2009	Member Catawba College Alumni Board of Directors Salisbury, NC
2009 – 2010	Intermediate Improvement Science Series (I <sup>2</sup> S <sup>2</sup> ) Course Project: Improvement of Central Line Daily Assessment for Necessity and Integrity within the Cincinnati Children’s Hospital Regional Center for Neonatal Intensive Care (RCNIC) Cincinnati Children’s Hospital Regional Center Cincinnati, OH
2010 – 2011	Advanced Improvement Methods Course Project: Decreasing Time to Extubation for Neonates with RDS: Implementation of a RT-Driven Ventilator Weaning Protocol in the Nationwide Children’s Neonatal Intensive Care Unit Nationwide Children's Hospital Columbus, OH
2012	Co-authored (Peter Giannone, Nehal Parikh, <b>Jonathan Slaughter</b> ) the Nationwide Children’s Neonatology Division Patent Ductus Arteriosus Treatment Baseline (guideline)
2013	Co-authored (Krista Haines, Mary Robbins, <b>Jonathan Slaughter</b> ) the Nationwide Children’s Neonatology Division Newborn Screening Baseline (guideline)
2013 – 2015	Member Scholarship Oversight Committee of Arielle Bokisa, MD, Neonatal Fellow (Aerodigestive Reflexes in Infants With Severe Bronchopulmonary Dysplasia)
2014	Preceptor, Shaheen Durrani, MD, Neonatal Fellow. Neonatal Fellowship Journal Club Presentation: “Enteral Feeding During Indomethacin and Ibuprofen Treatment of a Patent Ductus Arteriosus.” March 2014.
2014	Preceptor, Hilary White, DO, Neonatal Fellow. Neonatal Fellowship Journal Club Presentation: “Probiotics to Prevent Necrotizing Enterocolitis in Preterm Neonates.” March 2014.
2014	Preceptor, Benjamin McDonald, MD, Neonatal Fellow. Neonatal Fellowship Journal Club Presentation: “Timing of PDA Treatment and Respiratory Outcome in Preterm Infants: A Double-Blind RCT.” April 2014.
2014	Preceptor, Shaheen Durrani, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Target Ranges of Oxygen Saturation in Extremely Preterm Infants.” August 2014
2014	Preceptor, Preceousa Jensen, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Avoidance of Mechanical Ventilation by Surfactant Treatment of Spontaneously Breathing Preterm Infants (AMV): An Open-Label, Randomised, Controlled Trial.” September 2014.
2014	Preceptor, Natalie White, DO, Neonatal Fellow, Neonatal Fellowship

	Journal Club Presentation: “Long-Term Effects of Indomethacin Prophylaxis in Extremely Low Birth Weight Infants.” October 2014
2014 – present	Member Scholarship Oversight Committee of Amina Habib, MD, Neonatal Fellow (Quality Improvement Project: Golden Hour Neonatal Resuscitation)
2015	Preceptor, Amina Habib, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Systematic review of the application of the plan-do-study-act method to improve quality in healthcare.” January 2015
2015	Instructor, Statistics and Epidemiology Board Review, Neonatal Fellowship Program, Nationwide Children’s Hospital. March 2015
2015	Preceptor, Natasha Swier, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Anaerobic Antimicrobial Therapy after Necrotizing Enterocolitis in VLBW Infants.” April 2015
2015	Preceptor, Angela Firestine, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Early Radiologic Evidence of Severe Respiratory Distress Syndrome as a Predictor of Nasal Continuous Positive Airway Pressure Failure in Extremely Low Birth Weight Newborns.” May 2015
2015	Preceptor, Angela Firestine, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Early Inhaled Budesonide for the Prevention of BPD.” October 2015
2015 – present	Member Scholarship Oversight Committee of Briana Bertoni, MD, Neonatal Fellow (Quality Improvement Project: Improvement of Pediatric Residents’ Neonatal Resuscitation Skills)
2015	Preceptor, Briana Bertoni, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Neonatal Glycemia and Neurodevelopmental Outcomes at 2 Years.” November 2015
2015	Preceptor, Hilary White, DO, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Early blood pressure, antihypotensive therapy and outcomes at 18–22 months’ corrected age in extremely preterm infants.” December 2015
2015 – present	Member Scholarship Advancement Committee of J. Wells Logan MD, Assistant Professor
2016	Preceptor, Kristen Benninger, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: “Association of Red Blood Cell Transfusion, Anemia and Necrotizing Enterocolitis in Very Low Birth Weight Infants.” May 2016
2016	Instructor, Statistics and Epidemiology Board Review, Neonatal Fellowship Program, Nationwide Children’s Hospital. June 2016 Average Teaching Evaluation Score from Fellows: 9.06/10
2017	Preceptor, Maria Ferrara, MD, Neonatal Fellow, Neonatal Fellowship Journal Club Presentation: Developmental Outcomes of Preterm

	Infants with Neonatal Hypoglycemia. May 2017.
--	---

## REGIONAL ACTIVITIES

2010 – present	Voting Member Ohio Department of Health Newborn Screening Advisory Council Columbus, OH
2016	Served as an invited participant on the Ohio Newborn Screening Rules Advisory Committee to propose feedback on potential Ohio Department of Health rules changes to notify parents of the ability to opt out of Krabbe screening and proper documentation of the parents' decision; March 21, 2016.
2017	Served as an invited participant on the Ohio Newborn Screening Rules Advisory Committee to propose changes to the administrative rule 3701-55-02 – “Required screening; facility requirements,” by removing Short Chain Acyl-CoA Dehydrogenase deficiency from the Ohio newborn screening panel, adding Mucopolysaccharidosis Type 1(MPS1) to the screening panel, adding Glycogen Storage Disease Type II (Pompe) to the screening panel, and alphabetizing the list of disorders on the panel; March 3, 2017

## NATIONAL ACTIVITIES

2016-present	Task Force for Guideline and Protocol Sharing, Steering Committee American Academy of Pediatrics Section on Neonatal-Perinatal Medicine
--------------	---

## INTERNATIONAL ACTIVITIES

2015 – present	Chair Pediatric Pharmacoepidemiology Special Interest Group International Society of Pharmacoepidemiology
----------------	---

## OTHER APPOINTMENTS/RESPONSIBILITIES

1/2008 – 6/2010	Active Staff Physician Cincinnati Children’s Hospital Medical Center Division of Transport Medicine Cincinnati, OH
-----------------	---

7/2010 – present	Attending Neonatologist Nationwide Children's Hospital Columbus, OH
9/2010 – present	Attending Neonatologist The Ohio State University Medical Center Columbus, OH

## **HONORS AND AWARDS**

1999	Phi Sigma Iota Foreign Language Honor Society Catawba College Salisbury, NC
1999	Gamma Sigma Epsilon Chemistry Honor Society Catawba College Salisbury, NC
2000	John C. Johnson Award, 3rd place Poster presentation at the Biennial National Convention Ponce, Puerto Rico
1999	Beta Beta Beta Biological Honor Society Catawba College Salisbury, NC
1999	Alpha Chi Honor Society Catawba College Salisbury, NC
1999-2000	Catawba College Order of the Blue and White Catawba College Salisbury, NC
1997-2000	Philomathean Society Catawba College Salisbury, NC
2000	Daniel E. Kirk Biology Award Catawba College Salisbury, NC
2001	Wake Forest University Medical Student Research Day Poster Competition, 3rd place Medical Student Wake Forest University Winston-Salem, NC
9/2010 – 10/2010	Len and Arlean Fries Travel Grant for Abstract Presentation: The Effects of Gestation and Birth Weight on False-Positive Newborn Screening Rates 2010 Irish and American Pediatric Society Meeting Dublin, Ireland
7/2011	Scholarship to The Ohio State University College of Public Health/

	Center for Clinical and Translational Science Comparative Effectiveness Research Summer Training Course Columbus, OH
2014	Elected into Society for Pediatric Research
2015	The manuscript: “ <b>Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla, SR (2014). Inhaled Bronchodilator Use for Infants with Bronchopulmonary Dysplasia. J Perinatol; [Epub ahead of print]. PMID: 25102319.” was named an <i>American Academy of Pediatrics (AAP) Section on Perinatal Pediatrics, January 2015 Article of Interest</i> . Accessed on March 2, 2015 at <a href="http://www2.aap.org/sections/perinatal/articlesofinterest.html">http://www2.aap.org/sections/perinatal/articlesofinterest.html</a>
2015	Invited Poster Facilitator. Neonatology – General Poster Session. Pediatric Academic Societies Meeting, San Diego, CA, April 24, 2015
2016	Best Faculty Poster Award for “Comparative Effectiveness of NSAID Treatment for PDA on Mortality and Bronchopulmonary Dysplasia.” 2016 PharmSci Conference: Addressing Methodological and Ethical Issues in Pediatric Medication Safety Research. University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC. May 13, 2016.
2017	Invited Poster Facilitator. Neonatal Respiratory Assessment/Support/Ventilation Poster Cluster 6. Pediatric Academic Societies Meeting, San Francisco, CA, May 6, 2017

### Media Coverage

04/2016	Too many doctors prescribe acid-blockers to babies, study says. Columbus Dispatch. Thursday, April 28, 2016 06:21 am, Accessed online on 05 May 2016 at: <a href="http://www.dispatch.com/content/stories/local/2016/04/28/study-too-many-doctors-prescribe-acid-blockers-in-babies.html">http://www.dispatch.com/content/stories/local/2016/04/28/study-too-many-doctors-prescribe-acid-blockers-in-babies.html</a>
---------	---

## RESEARCH SUPPORT

<b>PEER REVIEWED</b>		
Grant Number: K08HL121182	JL Slaughter (PI)	12/2013 – 12/2017
\$ 487,240		
Project Title: Comparative Effectiveness of NSAID Treatment Versus No Treatment for PDA in Preterm Infants (National Heart, Lung, and Blood Institute)		
The goal of this study: To determine the comparative effectiveness of non-steroidal anti-inflammatory drugs (NSAIDs) versus no treatment on mortality and respiratory outcomes in very low birth weight infants.		
Role: Principal Investigator		
<b>PEER REVIEWED</b>		



JL Slaughter (PI)		7/01/2014 – 06/30/2016
\$58,808.94		
Title: National Institutes of Health (NIH) Pediatric Loan Repayment Program (LRP); National Heart, Lung, and Blood Institute (NHLBI)		
<b>PEER REVIEWED</b>		
Grant Number: KL2 RR025754	JL Slaughter (PI)	1/01/2011 – 12/31/2012
\$175,000		
Project Title: The Comparative Effectiveness of Laparotomy versus Drain Placement in ELBW Infants with NEC		
<p>The goal of this study: This two-year career development grant provided mentored training in comparative effectiveness research (CER) including training in the use of a large inpatient database (PHIS), advanced statistical training in regression and longitudinal data analysis, and the completion of a Master of Public Health degree. Given the initiation of a multicenter trial by the NICHD neonatal network to answer the proposed question on the comparison of surgical procedures to treat necrotizing enterocolitis, the grant aim was modified in early 2011 to examine the comparative effectiveness of off-label neonatal medications. The applicant has led a systematic review and an investigation that determined between-hospital variation in diuretic use for infants with BPD. He also co-authored a publication that determined between-hospital variation in nitric oxide use for preterm infants and collaborated on multiple other comparative effectiveness investigations within the Nationwide Children's Center for Perinatal Research.</p>		
<b>PEER REVIEWED</b>		
Grant Number: 2P01 DK 068051	SR Jadcherla (PI)	08/11/2014- 06/30/2019
\$269,597		
Project Title: Neonatal Esophagus and Airway Interaction in Health and Disease		
I serve as key personnel at 5% effort to provide pharmacoepidemiological support and expertise in the management of bronchopulmonary dysplasia (BPD) and gastroesophageal reflux disease (GERD) on this grant related to the interplay of GERD and BPD in preterm infants.		
<b>PEER REVIEWED</b>		
82221616 (Pediatric Trials Network - Task Order 33)	Laughon (PI)	1/18/2017- 09/28/2017
\$120,000.00		
Safety of Furosemide in Premature Infants at Risk of Bronchopulmonary Dysplasia		
I serve as the site-PI for the Pediatric Trials Network Safety of Furosemide in Premature Infants at Risk of Bronchopulmonary Dysplasia Phase 2 Randomized Controlled Trial (ClinicalTrials.gov Identifier: NCT02527798)		
<b>NON-PEER REVIEWED</b>		
20101417: 2017 Discretionary Fund	Slaughter (PI)	1/01/2017-

		12/31/2017
\$50,000		
Nationwide Children's Internal Grant Funding		
Start-up funding to support the salary of a research associate for data analysis		
<b>NON-PEER REVIEWED</b>		
20101416: 2016 Discretionary Fund	Slaughter (PI)	1/1/2016-12/31/2016
\$50,000		
Nationwide Children's Internal Grant Funding		
Start-up funding to support the salary of a research associate for data analysis		
<b>NON-PEER REVIEWED</b>		
The Ohio State University Center for Clinical and Translational Science Community Engagement Partnerships Voucher Support Program	JL Slaughter (PI)	1/15/2016-3/31/2016
\$3460		
Project Title: Neonatal Parent Research Partnership		
To develop a research partnership between parents of former neonatal intensive care unit patients and patient-centered outcomes researchers, and to conduct a focus-group to determine parent's motivations for participation in the partnership and goals for the partnership.		
<b>NON-PEER REVIEWED</b>		
Grant Number: N/A	John Baatz, PhD (Advisor)	9/2005 – 6/2006
Project Title: Impact of Maternal Smoking on Neonatal Pulmonary Surfactant Protein Expression		
The goal of this study: The use of western blot analysis to identify the impact of maternal smoking on neonatal pulmonary surfactant protein expression.		
Role: Pediatric Resident		
<b>NON-PEER REVIEWED</b>		
Grant Number: 5T35DK007400, Ruth L. Kirschstein National Research Service Award- Predoctoral (National Institutes of Health) (medical student summer research fellowship)	Larry Daniel, PhD (Advisor)	7//2/2001 – 9/7/2001
\$3,070		
Project Title: Upregulation of COX-2 by TPA in the Ca Ski cervical cancer cell line		
The goal of this study: To study the upregulation of Cyclooxygenase-2 (COX-2) by 12-O-tetradecanoyl-phorbol-13-acetate (TPA) in the Ca Ski cervical cancer cell line		

Role: Medical Student Research Fellowship		
<b>NON-PEER REVIEWED</b>		
Grant Number: N/A	Michael Seeds, Ph.D David Bass MD/Ph.D. (PI)	1998 – 1999
Project Title: The Role of sPLA2 in Asthmatic Inflammation		
The goal of this study: To identify secretory phospholipase A2 enzymes in the human lung and discover their role in asthmatic inflammation		
Role: Research Assistant		

## **PUBLICATIONS**

### **ARTICLES IN PEER REVIEWED JOURNALS**

<p><b>1. Slaughter J</b>, Annibale D, Suresh G (2009). False-negative results of pre-discharge neonatal bilirubin screening to predict severe hyperbilirubinemia: a need for caution. <i>Eur J Pediatr</i>;168(12):1461-1466. PMID: 19255782</p>
<p><b>2. Slaughter JL</b>, Espinoza L, Molinero I, Wood T, Duron C, Flores A, Porter R, Tomashitis K, Holden KR (2010). Utilization of blood-spot testing for metabolic-genetic disorders in Honduras: Is it time for newborn screening? <i>J Child Neurol</i>; 25(3): 306-311. PMID: 19850562</p>
<p><b>3. Slaughter JL</b>, Meinzen-Derr J, Rose SR, Leslie ND, Chandrasekar R, Linard SM, Akinbi HT (2010). The Effects of Gestation and Birth Weight on False-Positive Newborn Screening Rates. <i>Pediatrics</i>; 126(5): 910-916. PMID: 20974783</p>
<p><b>4. Slaughter JL</b>, Pakrashi T, Jones DE, South AP, Shah TA (2011). Echocardiographic Detection of Pulmonary Hypertension in Extremely Low Birth Weight Infants with Bronchopulmonary Dysplasia Requiring Prolonged Positive Pressure Ventilation. <i>J Perinatol</i>; 31: 635–640. PMID: 21311503</p>
<p><b>5. Stenger MR, Slaughter JL</b>, Kelleher K, Shepherd EG, Klebanoff MA, Reagan PB, Nelin LD, Gardner W (2012). Hospital variation in nitric oxide use for premature infants. <i>Pediatrics</i>; 129: e945-e951. PMID: 22412028</p>
<p><b>6. Monangi N, Slaughter JL</b>, Dawodu A, Smith C, Akinbi HT (2013). Vitamin D status of early preterm infants and the effects of vitamin D intake during hospital stay. <i>Arch Dis Child Fetal Neonatal Ed</i>; 99(2): F166-168. PMID: 23852093</p>
<p><b>7. Jadcherla SR, Slaughter JL</b>, Stenger MR, Klebanoff M, Kelleher K, Gardner W (2013). Practice Variance, Prevalence, and Economic Burden of Premature Infants Diagnosed with GERD. <i>Hospital Pediatrics</i>; 3(4): 335-341. PMID: 24435191</p>
<p><b>8. Slaughter LA, Patel AD, Slaughter JL</b> (2013). Pharmacological Treatment of Neonatal Seizures: A Systematic Review. <i>J Child Neurol</i>; 28(3): 351-364. PMID: 23318696</p>
<p><b>9. Slaughter JL</b>, Stenger MR, Reagan PB (2013). Variation in the Use of Diuretic</p>

Therapy for Infants with Bronchopulmonary Dysplasia. <i>Pediatrics</i> ; 131(4): 716-23. PMID: 23478874
<b>10. Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla, SR (2014). Utilization of Inhaled Corticosteroids for Infants with Bronchopulmonary Dysplasia. <i>PLoS ONE</i> ; 9(9): e106838. PMID: 25192252
<b>11. Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla, SR (2015). Inhaled Bronchodilator Use for Infants with Bronchopulmonary Dysplasia. <i>J Perinatol</i> ; 35: 61-66. PMID: 25102319
<b>12. Backes CA</b> , Reagan PB, Smith CV, Jadcherla SR, <b>Slaughter JL</b> (2016). Sildenafil Treatment for Infants with Bronchopulmonary Dysplasia-Associated Pulmonary Hypertension. <i>Hosp Pediatr</i> ; 6(1): 27-33. PMID: 26666265
<b>13. Slaughter JL</b> , Reagan PB, Bapat RV, Newman TB, Klebanoff MA (2016). Nonsteroidal Anti-inflammatory Administration and Patent Ductus Arteriosus Ligation, A Survey of Practice Preferences at US Children's Hospital NICUs. <i>Eur J Pediatr</i> ; 175(6): 775-783. PMID: 26879388
<b>14. Clouse BJ</b> , Jadcherla SR, <b>Slaughter JL</b> (2016). Systematic Review of Inhaled Bronchodilator and Corticosteroid Therapies in Infants with Bronchopulmonary Dysplasia: Implications and Future Directions. <i>PLoS ONE</i> 11(2): e0148188. PMID: 26840339
<b>15. Jadcherla SR</b> , Hasenstab K, Sitaram S, Clouse BJ, <b>Slaughter JL</b> , and Shaker R (2016). Effect of Nasal Non-Invasive Respiratory Support Methods on Pharyngeal Provocation Induced Aero-digestive Reflexes in Infants. <i>Am J Physiol Gastrointest Liver Physiol</i> ; 310(11): G1006-14. PMID: 27012774
<b>16. Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla SR (2016). Neonatal H2-Receptor Antagonist and Proton Pump Inhibitor Treatment at US Children's Hospitals. <i>J Pediatr</i> ; 174: 63-70. PMID: 27131401
<b>17. Oliver EA</b> , Reagan PB, <b>Slaughter JL</b> , Buhimschi CS, Buhimschi IA (2016). Patterns of Empiric Antibiotic Administration for Presumed Early-Onset Neonatal Sepsis in Neonatal Intensive Care Units in the United States. <i>Am J Perinatol</i> ; 2016 Dec 6. PMID: 27923247
<b>18. Jadcherla SR</b> , Khot T, Moore R, Malkar M, Gulati IK, <b>Slaughter JL</b> . Feeding Methods at Discharge Predict Long-Term Feeding and Neurodevelopmental Outcomes in Preterm Infants Referred for Gastrostomy Evaluation. <i>J Pediatr</i> ; 2016 Dec 1. PMID: 27939123
<b>19. Slaughter JL</b> , Reagan PB, Newman TB, Klebanoff MA (2017). Comparative Effectiveness of Nonsteroidal Anti-inflammatory Drug Treatment vs No Treatment for Patent Ductus Arteriosus in Preterm Infants. <i>JAMA Pediatr</i> . 2017 Jan 3. PMID: 28046188

## BOOK CHAPTERS

<b>1. Slaughter JL</b> , Moss LE (May 15, 2015). Necrotizing Enterocolitis and Spontaneous Intestinal Perforation. In: Stevenson DK, Sunshine P, Cohen RS, Van Meurs K, eds. <i>Neonatology: Clinical Practice and Procedures</i> . New York, NY: McGraw-Hill. ISBN-13: 978-0071763769
--

## **EDITORIALS AND REVIEW ACTIVITIES**

### **JOURNAL EDITORIAL BOARD**

2014 - present	<i>Maternal Health, Neonatology and Perinatology</i>
----------------	--

### **GRANT REVIEWER**

2015	<i>CTSA KL2 and Davis Bremer Grant Reviewer.</i> The Ohio State University Center for Clinical and Translational Research. March 6, 2015. Columbus, OH.
2015	Scientific Reviewer: Assessment of Prevention, Diagnosis, and Treatment Options (APDTO) Spring 2015 Cycle. Patient Centered Outcomes Research Institute (PCORI). August 6-7, 2015. Washington, DC.
2015	<i>2015 TL1 Mentored Research Training Program Grant Reviewer.</i> The Ohio State University Center for Clinical and Translational Research. August 13, 2015. Columbus, OH.
2015	<i>CTSA KL2 and Davis Bremer Grant Reviewer.</i> The Ohio State University Center for Clinical and Translational Research. December 8, 2015. Columbus, OH.
2016	Scientific Reviewer: Assessment of Prevention, Diagnosis, and Treatment Options (APDTO) Cycle 2 2015. Patient Centered Outcomes Research Institute (PCORI). February 18-19, 2016. Washington, DC.
2016	Scientific Reviewer: Assessment of Prevention, Diagnosis, and Treatment Options (APDTO) Cycle 1 2016. Patient Centered Outcomes Research Institute (PCORI). September 12, 2016. Washington, DC.
2017	Scientific Reviewer: National Institutes of Health Neurological, Aging, and Musculoskeletal Epidemiology (NAME) Study Section. February 9-10, 2017. San Diego, CA

### **JOURNAL AND ABSTRACT REVIEWER**

2010	<i>Pediatrics</i>
2010	<i>Pan American Journal of Public Health</i>
2011	<i>Pediatrics</i>
2011	<i>Pan American Journal of Public Health</i>
2013	<i>Academic Pediatrics</i>
2013	<i>Hospital Pediatrics</i>
2013	<i>Neonatology</i>
2013	<i>The Pediatric Infectious Disease Journal</i>

2013	Clinical Outcomes Abstracts Peer Reviewer, <i>International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 16th Annual European Congress</i> . Meeting held November 2-6, 2013. Dublin, Ireland.
2013	<i>Pediatrics</i>
2013	<i>Pediatric Pulmonology</i>
2014	Clinical Outcomes Abstracts Peer Reviewer, <i>International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 19th Annual International Meeting</i> . Meeting held May 31-June 4, 2014. Montreal, Canada.
2014	<i>Italian Journal of Pediatrics</i>
2014	<i>Pan American Journal of Public Health</i>
2014	<i>World Journal of Pediatrics</i>
2014	<i>Pediatrics</i>
2014	<i>Archives of Disease in Childhood Fetal and Neonatal Edition</i>
2014	<i>Neonatology</i>
2014	NICU Practices & Procedures Abstracts Peer Reviewer. <i>2015 Pediatric Academic Societies (PAS) Annual Meeting / 2015 Eastern Society for Pediatric Research (Eastern SPR) Annual Meeting</i> . Meetings held April 25-28, 2015 in San Diego, CA and March 20-22, 2015 in Philadelphia, PA.
2015	<i>Pediatrics</i>
2015	<i>Journal of Perinatology</i>
2015	<i>BMC Pediatrics</i>
2015	Abstracts Peer Reviewer. <i>31st International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE)</i> . Meeting held August 22-26, 2015. Boston, MA.
2015	<i>Pediatric Pulmonology</i>
2015	<i>Hospital Pediatrics</i>
2015	Abstracts Peer Reviewer. <i>International Society of Pharmacoepidemiology Mid-Year meeting (ISPE)</i> . Meeting held April 10-12, 2016. Baltimore, MD.
2015	<i>European Journal of Pediatrics</i>
2016	<i>The Journal of Pediatrics</i>
2016	Abstracts Peer Reviewer. <i>32nd International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE)</i> . Meeting held August 25-28, 2016. Dublin, Ireland.
2016	<i>Academic Pediatrics</i>
2016	<i>Archives of Medical Research</i>
2016	<i>American Journal of Epidemiology</i>
2016	<i>Pediatrics</i>
2016	<i>Pan American Journal of Public Health</i>

2017	<i>Pediatrics</i>
2017	<i>Pan American Journal of Public Health</i>
2017	Abstracts Peer Reviewer. <i>2017 Pediatric Academic Societies (PAS) Annual Meeting</i> . Meeting held May 6-9, 2017 in San Francisco, CA.

## OTHER EDUCATIONAL PROGRAMS

2009 – 2010	Intermediate Improvement Sciences Series (I <sup>2</sup> S <sup>2</sup> ) Cincinnati Children's Hospital Medical Center Cincinnati, OH
6/2010 – 3/2011	Advanced Improvement Methods Cincinnati Children's Hospital Medical Center Cincinnati, OH
3/2011 - 10/2011	Comparative Effectiveness Research Training Program The Ohio State University Center for Clinical and Translational Science Columbus, OH
9/2011	Annual Research Intensive Oregon Institute for Patient-Centered Comparative Effectiveness (ICE) Portland, OR
7/2012	Applied Methods of Cost-Effectiveness Analysis St Catherine's College Oxford, UK
3/2014 - 6/2014	<i>Advanced Approaches to the Analysis of Observational Data</i> (Biostat 215), University of California San Francisco Training in Clinical Research program
6/2014	32 <sup>nd</sup> Graduate Summer Institute of Epidemiology and Biostatistics Design and Conduct of Clinical Trials Course (340.613.11) Pharmacoepidemiology Course (340.617.11) Johns Hopkins University Bloomberg School of Public Health Baltimore, MD
7/2014	49 <sup>th</sup> Graduate Summer Session in Epidemiology University of Michigan School of Public Health Analysis of Clinical Trials course ( <i>EPID 718</i> ) Ann Arbor, MI
11/2014	The Business of Science: An Executive Education program for Center for Clinical and Translational Science (CCTS) Researchers The Ohio State University Fisher College of Business Columbus, OH

## LECTURES/PRESENTATIONS

### NATIONAL/INTERNATIONAL

6/2013	<p>Provided oral testimony to the Ohio House of Representatives Health and Aging Committee of the 130th General Assembly, regarding newborn screening and the important role of the Ohio Newborn Screening Advisory Committee, during consideration of House Bills 182 and 183 to codify the disorders screened for in the state of Ohio, declare an emergency, and add Severe Combined Immunodeficiency (SCIDs) to the screening panel.</p> <p>Ohio Statehouse Columbus, OH</p>
04/2014	<p>Jadcherla SR, <b>Slaughter JL</b>. "Practice Variance, Prevalence, and Economic Burden of Premature Infants Diagnosed with GERD." Presented at Pediatric Health Information System (PHIS) April 2014 PHIS Journal Club, Peers within Field. International Webcast (Apr 2014) <a href="http://www.chca.com/index_no_flash.html">http://www.chca.com/index_no_flash.html</a>. 50% Authorship. The Pediatric Health Information System (PHIS) database invited us to present our research manuscript, "Practice Variance, Prevalence, and Economic Burden of Premature Infants Diagnosed with GERD. Hospital Pediatrics. 2013 during their April 2014 Journal Club webcast.</p>
04/2015	<p>Invited Workshop: Pediatric Academic Societies Meeting, San Diego, CA, (April 2015). Dealer's Choice: Problems of Practice Variation in Pediatrics and Standardization as a Solution. Suresh GK, <b>Slaughter JL</b>.</p>
11/2015	<p>Invited Commentary: Yaqub F. Inhaled budesonide in bronchopulmonary dysplasia. <i>The Lancet Respiratory Medicine</i>. November 2015. doi: 10.1016/S2213-2600(15)00465-8</p>
05/2016	<p>Invited Workshop: Pediatric Academic Societies Meeting, Baltimore, MD, (May 2016). Dealer's Choice: Problems of Practice Variation in Pediatrics and Standardization as a Solution. Suresh GK, <b>Slaughter JL</b>.</p>
05/2017	<p>Presentation: "National variability in the management of the PDA" within the Invited Science Session: <i>Searching for Equipoise: controversies in the care of premature infants with a patent ductus arteriosus</i>: Pediatric Academic Societies Meeting, San Francisco, CA, (May 2017).</p>

## LOCAL/REGIONAL

7/2007	<p>Congenital Diaphragmatic Hernia- Postpartum Management University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH</p>
8/2007	<p>Infants of Diabetic Mothers University of Cincinnati Medical Center, Combined Maternal-</p>



	Fetal Medicine/Neonatology Conferences Cincinnati, OH
1/2008	Newborn Unconjugated Bilirubin Management University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH
1/2008	Newborn Unconjugated Bilirubin Management Family Medicine Residents Conference University of Cincinnati Medical Center Cincinnati, OH
1/2008	Preventing Bilirubin-Induced Neurological Dysfunction Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
4/2008	Distribution of Pre-Discharge Bilirubin Values in Newborns Readmitted for Hyperbilirubinemia Ohio Perinatal Club Cincinnati, OH
7/2008	Fractured and Winded: A Case of Osteogenesis Imperfecta with Lethal Pulmonary Hypoplasia Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
7/2008	Disseminated HSV Infection in the Neonate University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH
8/2008	Pulmonary Hypoplasia University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH
10/2008	Weak to the Core: A Case of Hypotonia and Muscular Weakness in a Neonate Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
12/2008	Obstructive Renal Failure in Neonates University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH
12/2008	Neonatal Tuberculosis University of Cincinnati Medical Center, Combined Maternal-Fetal Medicine/Neonatology Conferences Cincinnati, OH
1/2009	Iatrogenica nervosa: Reducing Iatrogenic Harm in the Neonatal

	Intensive Care Unit Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
1/2009	False-Positive Newborn Screening Results in VLBW Infants Neonatal Research in Progress Cincinnati Children's Hospital Medical Center Cincinnati, OH
4/2009	False-Positive Newborn Screening Rates are Increased in VLBW Infants Ohio Perinatal Club Cincinnati, OH
7/2009	Emerging Therapies for Hypoxic-Ischemic Encephalopathy of the Term Infant Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
9/2009	A Case of Congenital Syphilis, with Isolated Thrombocytopenia at Presentation, Diagnosed via Maternal Serology Screening During Platelet Donation Neonatal Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH
3/2010	Inborn Errors of Metabolism: Prenatal & Neonatal Diagnosis Characteristics of Newborn Screening Results in Preterm Infants Neofest 2010 Cincinnati Children's Hospital Medical Center Cincinnati, OH
10/2010	The Effects of Gestation and Birth Weight on False-Positive Newborn Screening Rates Ohio Department of Health Reynoldsburg, OH
5/2011	Respiratory Therapist Driven Rapid Extubation Guidelines Nationwide Children's Hospital Neonatal Conference Columbus, OH
5/2014	Commonly Used Neonatal Medications: Practice Patterns Reveal a Need for Comparative Effectiveness Research Nationwide Children's Hospital Neonatal Conference Columbus, OH
5/2015	Schwartz Center Rounds Panelist, Nationwide Children's Hospital Columbus, OH
12/2015	Comparative Effectiveness of NSAID Treatment Versus No Treatment for PDA in Preterm Infants: an Instrumental Variable Approach Neonatal Academic Seminar

	Nationwide Children's Hospital Columbus, OH
04/2016	Neonatal Parent Research Partnership: An Update Community Engagement Advisory Board The Ohio State University Center for Clinical and Translational Science Columbus, OH
04/2016	Neonatal Parent Research Partnership: An Update Community Engagement Faculty Advisory Board The Ohio State University Center for Clinical and Translational Science Columbus, OH

## **CONFERENCES AND SYMPOSIA**

### **LOCAL/REGIONAL DISTINGUISHED ACTIVITIES**

1. Poster Presentation: Thomas Boat Lectures, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, March 18, 2009: Metabolic/Genetic Newborn Screening False-Positive Results are Increased in VLBW Neonates. **Slaughter JL**, Meinzen-Derr J, Rose SR, Leslie ND, Chandrasekar R, Linard SM, Akinbi HT.

### **NATIONAL/INTERNATIONAL DISTINGUISHED ACTIVITIES**

1. Poster Presentation: Biennial National Convention of Beta Beta Beta Honor Society, Ponce, Puerto Rico, May 2000: The refolding of recombinant human group X sPLA2 enzyme. **Slaughter JL**.
2. Poster Presentation: Pediatric Academic Societies Meeting, Honolulu, Hawaii, May 2008: Distribution of Pre-Discharge Bilirubin Values In Newborns Readmitted for Hyperbilirubinemia. **Slaughter JL**, Annibale D, Suresh G. EPAS2008: 5844.25
3. Poster Presentation: Pediatric Academic Societies Meeting, Baltimore, Maryland, May 2009: Metabolic/Genetic Newborn Screening False-Positive Results are Increased in VLBW Neonates. **Slaughter JL**, Meinzen-Derr J, Rose SR, Leslie ND, Chandrasekar R, Linard SM, Akinbi HT. EPAS2009: 5505.89
4. Poster Presentation: Pediatric Academic Societies Meeting, Denver, Colorado, May 2011: Hospital Effects on the Survival of Premature Infants in NICUs. Gardner W, Nelin L, Reagan P, **Slaughter J**, Klebanoff M, Stenger M. EPAS2011: 4521.29
5. Poster Presentation: Pediatric Academic Societies Meeting, Denver, Colorado, May 2011: Hospital Variation in Nitric Oxide Use for Premature Infants Stenger MR, **Slaughter JL**, Shepherd EG, Reagan P, Nelin LD, Gardner W. EPAS2011:

4532.474
6. Poster Presentation: Pediatric Academic Societies Meeting, Denver, Colorado, May 2011: A Population-Based Study of the Contribution of Pulmonary Artery Hypertension to Bronchopulmonary Dysplasia Associated Mortality in Extremely Low Birth Weight Infants. Shah TA, Pakrashi T, Jones DE, South AP, <b>Slaughter JL</b> . EPAS2011: 3827.257
7. Poster Presentation: Pediatric Academic Societies Meeting, Boston, Massachusetts, May 2012: A Diagnosis of Pulmonary Hypertension Is Associated with Increased Mortality in Extremely Preterm Infants with Bronchopulmonary Dysplasia. <b>Slaughter JL</b> , Reagan PB. EPAS2012: 1533.564
8. Poster Presentation: International Society for Pharmacoeconomics and Outcomes Research 18 <sup>th</sup> Annual Meeting, New Orleans, Louisiana, May 2013: Variation in the use of Inhaled Respiratory Medications for Preterm Infants with Bronchopulmonary Dysplasia. <b>Slaughter JL</b> , Stenger MR, Jadcherla SR, Reagan PB. ID: 40981. Presentation Code: PIH49. Abstract published in <i>Value Health</i> ; 16(3): A78-A79.
9. Poster Presentation: Pediatric Academic Societies Meeting, Washington, DC, May 2013: Jadcherla SR, Durr B, Chan CY, <b>Slaughter J</b> , Castile R, Klebanoff M. Characteristics of Infants Admitted with an Apparent Life Threatening Event (ALTE) in the Safe Sleep Era. EPAS2013: 2922.321
10. Poster Presentation: Pediatric Academic Societies Meeting, Washington, DC, May 2013: Combination Medication Strategies for the Respiratory Management of BPD. <b>Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla SR. EPAS2013: 1547.646
11. Poster Presentation: Pediatric Academic Societies Meeting, Washington, DC, May 2013: Variation in the Use of Inhaled Respiratory Medications for Infants with BPD. <b>Slaughter JL</b> , Stenger MR, Jadcherla SR, Reagan PB. EPAS2013: 1547.648
12. Poster Presentation: Pediatric Academic Societies Meeting, Washington, DC, May 2013: Variation in the Use of Acid Suppressive Medications for Infants with BPD. <b>Slaughter JL</b> , Stenger MR, Reagan PB, Jadcherla SR. EPAS2013: 1547.647
13. Poster Presentation: Pediatric Academic Societies Meeting, Vancouver, BC, Canada, May 2014: H2RA and PPI Administration to Infants Within the Neonatal ICU: Evidence of Overuse? <b>Slaughter JL</b> , Reagan PB, Stenger MR, Jadcherla SR. EPAS 2014: 3846.748
14. Poster Presentation: 35 <sup>th</sup> Annual Meeting of the Society for Maternal-Fetal Medicine- The Pregnancy Meeting. San Diego, CA. February 2015: 793: Patterns of empiric antibiotic use for presumed early onset neonatal sepsis (EONS). Oliver E, Reagan P, <b>Slaughter J</b> , Buhimschi I. Abstract published in <i>Am J Obstet Gynecol</i> ; 212(1)Supplement: S384.
15. Poster Presentation: Pediatric Academic Societies Meeting, San Diego, CA, April 2015: Lack of Consensus for Medical and Surgical Patent Ductus Arteriosus Closure: A Survey of US Neonatal Intensive Care Units. <b>Slaughter JL</b> , Newman TB, Bapat RV, Klebanoff MA. EPAS 2015: 2927.598

16. Poster Presentation: Pediatric Academic Societies Meeting, San Diego, CA, April 2015: Anticonvulsant Treatment of Neonatal Seizures: Changing Use Demands More Evidence! Yossef-Salameh L, Sanchez PJ, Reagan PB, Slaughter LA, <b>Slaughter JL</b> . EPAS2015: 4136.264
17. Poster Presentation: Digestive Disease Week, Washington, DC, May 2015: Relationship Between Discharge Feeding Method and Neuro-developmental Outcomes at 18-24 Months of Age in Former Preterm Infants. Jadcherla SR, Moore RK, Khot T, Malkar MB, <b>Slaughter JL</b> . Control ID: 2168174.
18. Poster Presentation: Pediatric Academic Societies Meeting, Baltimore, MD, May 2016: Comparative Effectiveness of NSAID Treatment for PDA on Mortality and Bronchopulmonary Dysplasia. <b>Slaughter JL</b> , Reagan PB, Newman TB, and Klebanoff MA. EPAS2016: 2894.746
19. Poster Presentation: PharmSci 2016 Conference, University of North Carolina at Chapel Hill, NC, Comparative Effectiveness of NSAID Treatment Versus No Treatment for PDA in Preterm Infants: an Instrumental Variable Approach. <b>Slaughter JL</b> , Reagan PB, Newman TB, and Klebanoff MA.
20. Poster Presentation: Pediatric Academic Societies Meeting, San Francisco, CA, May 2017: Effects of Transfusion and Feeding Advances (Volumetric and Caloric) on Acute Necrotizing Enterocolitis Development. Le VT, Klebanoff MA, Talavera MM, <b>Slaughter JL</b> .
21. Platform Presentation: Irish and American Paediatric Society Meeting. Dublin, Ireland, Sept. 29-Oct 2, 2010: The Effects of Gestation and Birth Weight on False-Positive Newborn Screening Rates. <b>Slaughter JL</b> , Meinzen-Derr J, Rose SR, Leslie ND, Chandrasekar R, Linard SM, Akinbi HT
22. Platform Presentation: Pediatric Academic Societies Meeting, Boston, Massachusetts, May 2012: Vitamin D Status in Very Low Birth Weight Infants and Effectiveness of Current Supplementation Strategy. Nagendra M, Dawodu A, <b>Slaughter JL</b> , Smith C, Akinbi HT. EPAS2012: 2755.1
23. Platform Presentation: Pediatric Academic Societies Meeting, Vancouver, BC, Canada, May 2014: Sildenafil Treatment in Infants with Bronchopulmonary Dysplasia. Backes CH, Reagan PB, Cua CL, Hague UD, Rivera BK, Jadcherla SR, <b>Slaughter JL</b> . EPAS2014: 3690.8
24. Platform Presentation: International Society of Pharmacoepidemiology (ISPE) 32nd International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE), Dublin, Ireland, August 2016: Comparative Effectiveness of NSAID Treatment for PDA on Mortality and Bronchopulmonary Dysplasia. <b>Slaughter JL</b> , Reagan PB, Newman TB, and Klebanoff MA. Abstract 422.

## **PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

2004 – 2007, 2009 – present	American Academy of Pediatrics
-----------------------------------	--------------------------------

2004 – 2007	American Medical Association
2010 – present	The Irish and American Paediatric Society
2013 – 2014	International Society for Pharmacoeconomics and Outcomes Research
2014-2015	Society for Medical Decision Making
2014-present	Society for Pediatric Research
2014-present	International Society for Pharmacoepidemiology