

Erik Allen Jensen, MD, MSCE

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Education:

7/2013-10/2015	M.S.C.E.	University of Pennsylvania School of Medicine Philadelphia, PA <i>Emphasis: Clinical Trials</i>
9/2003-6/2007	M.D.	University of Washington School of Medicine Seattle, WA
8/1999-6/2003	B.A.	Pomona College Claremont, CA <i>Major: Chemistry</i>

Post Graduate Training and Fellowship Appointments:

7/2013-8/2014	Chief Fellow, Division of Neonatology, Department of Pediatrics The Children’s Hospital of Philadelphia, Philadelphia, PA
7/2011-6/2013	Fellow, Division of Neonatology, Department of Pediatrics The Children’s Hospital of Philadelphia, Philadelphia, PA
7/2007-6/2010	Intern and Resident, Department of Pediatrics New York Presbyterian, Columbia University Medical Center New York, NY

Faculty Appointments:

10/2024-Preent	Associate Professor of Pediatrics, Division of Neonatal and Developmental Medicine, Stanford University School of Medicine and Lucile Packard Children’s Hospital Stanford
10/2017-9/2024	Assistant Professor of Pediatrics, Division of Neonatology, Department of Pediatrics, Children’s Hospital of Philadelphia and University of Pennsylvania School of Medicine, Philadelphia, PA
9/2014-10/2017	Instructor, Division of Neonatology, Department of Pediatrics Children’s Hospital of Philadelphia and University of Pennsylvania School of Medicine, Philadelphia, PA
7/2010-6/2011	Instructor, Division of Neonatology, Department of Pediatrics New York Presbyterian, Columbia University Medical Center New York, NY

Specialty Certification:

2016-Present	American Board of Pediatrics – Neonatal/Perinatal Sub-board
2010-Present	American Board of Pediatrics

Licensure:

2024-Present	California State Medical License: C 196345
2011-Present	Pennsylvania State Medical License: MD44241
2009-2011	New York State Medical License

Awards and Honors:

2012	Funded for the Pediatric Hospital Epidemiology and Outcomes Training (PHEOT) Program by the NICHD
2013	Nominated Participant, AAP Neonatal-Perinatal Trainees Seminar
2013	NHLBI Prematurity and Respiratory Outcomes Program (PROP) Scholar's Grant Award Recipient
2014	The Children's Hospital of Philadelphia Center for Pediatric Clinical Effectiveness (CPCE) Pilot Grant Award Recipient
2014	Patient-Oriented Research Award Winner, the Children's Hospital of Philadelphia, Philadelphia, PA
2014	NIH Loan Repayment Program Recipient (Initial award 2014-2016, renewal 2016-2018, 2018-2020, 2020-2021)
2015	Eastern Society for Pediatric Research Faculty Young Investigator Award Winner
2017	Invited Presenter, 4 th Annual Neonatal Cardiopulmonary Biology Young Investigator Forum
2017	American Association of SIDS Prevention Physicians Annual Conference Travel Award Recipient
2019	Impact Article of the Month (April) and Finalist for Impact Article of the Year (Jensen et al. AJRCCM) selected by the international Evidence Based Neonatology (EBNeo) consortium
2021	Columbia University Division of Neonatology Fellow's Choice Speaker of the Year
2021	American Society for Clinical Investigation Young Physician-Scientist Award winner
2023	Ranked 3 rd worldwide among >11,000 published scholars on Bronchopulmonary Dysplasia by expertscape.com https://expertscape.com/ex/bronchopulmonary+dysplasia

Editor and Journal Reviewer Positions:

2014-Present	Ad Hoc Reviewer: <i>Academic Pediatrics; American Journal of Perinatology; American Journal of Respiratory and Critical Care Medicine, Archives of Disease in Childhood, BMC Pediatrics, BMJ Open; Chest; European Journal of Pediatrics; JAMA Pediatrics; JAMA Network Open; Journal of Perinatology; Lancet Respiratory Medicine; Maternal Health, Neonatology, and Perinatology; Neonatology; Pediatrics; Pediatric Pulmonology; Pediatric Research; Respiratory Research; Thorax; Scientific Reports</i>
2015-Present	Review Editor, <i>Frontiers in Pediatrics</i>
2016	Guest Editor, <i>Seminars in Fetal and Neonatal Medicine</i>
2020-Present	Associate Editor, <i>Journal of Neonatal-Perinatal Medicine</i>

Other Experiences and Professional Memberships:

2011-2014	Eastern Society for Pediatric Research – Fellow Member
2012-2016	Hospital-Based Instructor, Neonatal Resuscitation Program
2015-2020	Abstract Reviewer, Pediatric Academic Societies Annual Meeting
2016-Present	Fellow, American Academy of Pediatrics
2016-Present	Member, International BPD Collaborative pharmacology working group
2017-2020	Poster facilitator – Pediatric Academic Societies Annual Meeting
2017-Present	Member, Society for Pediatric Research
2017	Grant Reviewer, Thrasher Foundation

2017	Abstract Reviewer, Eastern Society for Pediatric Research Annual Meeting
2019	FDA IND Sponsor – Phase 1 trial of inhaled tobramycin in ventilator dependent very preterm infants with bronchopulmonary dysplasia
2020	Early Career Reviewer, NHLBI Lung Injury, Repair, and Remodeling Study Section
2020-Present	Member, International Neonatal Consortium (INC) BPD working group

Academic and Institutional Committees at the Children’s Hospital of Philadelphia and University of Pennsylvania:

2011-2014	Neonatal Nutrition Committee
2012-Present	Newborn/Infant Chronic Lung Disease Program
2015-Present	Neonatal Research Scientific Review Committee
2016-2020	Fellowship Admission Committee
2017-Present	Planning Committee, Annual Children’s Hospital of Philadelphia Chronic Lung Disease Conference

Teaching:

2015-2021	Lecturer, Pulmonology Course: “Surfactant.” University of Pennsylvania School of Medicine
2019-2024	Co-lead, Children’s Hospital of Philadelphia neonatal fellow journal club and scholarly activity board examination education curriculum

Lectures by Invitation:

8/2024	“Postnatal Corticosteroids to Prevent Bronchopulmonary Dysplasia.” Tennessee Initiative for Perinatal Quality Care. Virtual Meeting
6/2024	“Postnatal Corticosteroids to Prevent BPD: Which Regimen Should We Use?” 2024 Mid-Atlantic Association of Neonatologists NeoForum Annual Meeting, Bedminster, NJ.
6/2024	“In Pursuit of Evidence: Treatment Strategies for Established Bronchopulmonary Dysplasia.” 2024 Mid-Atlantic Association of Neonatologists NeoForum Annual Meeting, Bedminster, NJ.
5/2024	“Systemic Corticosteroid Use in Chronic Lung Disease.” PAS Scholarly Sessions: Systemic Corticosteroid Use in Neonates: Contemporary Controversies and Current Evidence. 2024 Pediatric Academic Societies Annual Meeting, Toronto, Canada.
3/2024	“Spit Happens: Use of Esophageal -H/MII Testing to Objectively Diagnose Reflux in BPD.” 10 th Annual Children’s Hospital of Philadelphia Chronic Lung Disease Conference. Philadelphia, PA.
3/2024	“Routine Car Seat Tolerance Screening: What is the Evidence?” New Frontiers in Neonatal Care. Children’s Nebraska, University of Nebraska. Omaha, NE
3/2024	“In Pursuit of Evidence: The Classification and Treatment of Bronchopulmonary Dysplasia.” Grand Rounds. Children’s Nebraska, University of Nebraska. Omaha, NE.

- 1/2024 “Evidence-based Treatment of Bronchopulmonary Dysplasia.” Toward a Better Tomorrow for the Neonates 2024 Conference. Taichung, Taiwan.
- 1/2024 “Evidence-based Diagnosis and Classification of Bronchopulmonary Dysplasia.” Chang Gung University and Memorial Hospital Pediatric Grand Rounds, Linkou, Taiwan.
- 1/2024 “Respiratory Physiology.” 2024 American Academy of Pediatrics NeoPrep Conference. Baltimore, MD.
- 1/2024 “Bronchopulmonary Dysplasia.” 2024 American Academy of Pediatrics NeoPrep Conference. Baltimore, MD.
- 10/2023 “Diagnosis and Classification of Bronchopulmonary Dysplasia.” XIX Congreso Chileno Neumologia Pediatrica. Santiago, Chile.
- 10/2023 “Use of Corticosteroids of Prevent Bronchopulmonary Dysplasia.” XIX Congreso Chileno Neumologia Pediatrica. Santiago, Chile.
- 10/2023 “Ventilation Strategies in Severe Bronchopulmonary Dysplasia.” XIX Congreso Chileno Neumologia Pediatrica. Santiago, Chile.
- 10/2023 “Evidence-based Diagnosis and Classification of Bronchopulmonary Dysplasia.” Pediatrix Grand Rounds Webinar (Virtual).
- 9/2023 “Evidence-based Use of Corticosteroids for BPD: Pulmonary and Neurodevelopmental Outcomes.” 7th Annual Symposium on Neonatal Advances. University of Connecticut. Farmington, CT.
- 9/2023 “Evidence-based Diagnosis and Classification of Bronchopulmonary Dysplasia.” 16th Annual Controversies in Neonatal and Perinatal Care presented by the AAP District VI Association of Neonatologists. Chicago, IL.
- 9/2023 “In Pursuit of Evidence: The Classification and Treatment of Bronchopulmonary Dysplasia.” Stanford University Division of Neonatology Grand Rounds. Palo Alto, CA.
- 6/2023 “In Pursuit of Evidence: The Diagnosis and Classification of Bronchopulmonary Dysplasia.” Neonatology Around the World Grand Rounds. Canada (Virtual).
- 6/2023 “Can We Standardize BPD Treatment by Agreeing on the Evidence?” 26th Annual International Neonatal Conference. James Cook University Hospital. Middlesbrough, United Kingdom
- 6/2023 “Postnatal Steroids for BPD: Which Regimen Should We Use?” 26th Annual International Neonatal Conference. James Cook University Hospital. Middlesbrough, United Kingdom

- 5/2023 “Definition of BPD: An Evidence-Based Approach.” 12th International Neonatology Conference on “Hottest Topics in Neonatal Medicine.” Abu Dhabi, United Arab Emirates
- 5/2023 “Corticosteroid Therapy for BPD: Risk of Death/Disability.” 12th International Neonatology Conference on “Hottest Topics in Neonatal Medicine.” Abu Dhabi, United Arab Emirates
- 5/2023 “In Pursuit of Evidence: The Diagnosis and Classification and of Bronchopulmonary Dysplasia.” Emory University Neonatal Grand Rounds. Atlanta, GA.
- 3/2023 “A case for why BPD is a (good) bad outcome.” Public workshop co-hosted by the Duke-Margolis Center for Health Policy and the U.S. Food and Drug Administration: Measuring Clinical Benefit in Neonatal Randomized Clinical Trials: Challenges and Opportunities. Washington, DC.
- 2/2023 “Routine Car Seat Tolerance Screening. What is the Evidence?” AAP Workshop on Neonatal-Perinatal Practice Strategies. Scottsdale, AZ.
- 2/2023 “Facts and Fiction: Treatment of Gastroesophageal Reflux in BPD.” AAP Workshop on Neonatal-Perinatal Practice Strategies. Scottsdale, AZ.
- 11/2022 “In Pursuit of Evidence: The Classification and Management of BPD.” Kaiser Permanente Neonatal-Perinatal Grand Rounds. Virtual Meeting.
- 11/2022 “Towards Evidence-Based Phenotyping and Treatment of BPD.” Miami Neonatology 2022 International Conference. Miami, FL.
- 11/2022 “Evidence-based Diagnosis of Bronchopulmonary Dysplasia.” Miami Neonatology 2022 International Conference. Miami, FL.
- 11/2022 “In Pursuit of Evidence: The Diagnosis and Classification of Bronchopulmonary Dysplasia.” 3rd Annual Neonatal-Perinatal Research Conference at Alamo City. San Antonio, TX
- 10/2022 “Postnatal Corticosteroids to Prevent Bronchopulmonary Dysplasia: The Good, the Bad, and the Unknown.” Advances in Neonatal-Perinatal Medicine. Philadelphia, PA
- 10/2022 “The Changing Landscape of BPD: Current Management and Controversies.” American Academy of Pediatrics 2022 National Conference & Exhibition. Anaheim, CA.
- 2/2022 “Prevention and Treatment of Modern Bronchopulmonary Dysplasia.” Division of Neonatology Research Conference. Yale University School of Medicine, New Haven, CT.
- 1/2022 “Prevention and Treatment of Modern Bronchopulmonary Dysplasia.” Division of Neonatology Research Conference. University of Pittsburgh, Pittsburgh, PA.

- 8/2021 "What is BPD?" Vermont Oxford Network Quality Improvement Grand Rounds. Online Virtual Conference.
- 5/2021 "Bronchopulmonary dysplasia: New Lessons Learnt, and Old Lessons Revisited." Columbia University Division of Neonatology Grand Rounds – Fellow's choice speaker of the year. New York, NY.
- 3/2021 "What is the Evidence for the Prevention of Bronchopulmonary Dysplasia?" Guangzhou Women and Children's Medical Center Conference on BPD Prevention. Guangzhou, Guangdong Province, China.
- 2/2021 "Lung Function of Children and Adults Born at Very Low Birth Weight." NEO: The Conference for Neonatology, MEDNAX. Virtual Conference.
- 2/2021 "Advances in the Diagnosis and Management of Bronchopulmonary Dysplasia." Neonatal Grand Rounds. Children's Hospital of Orange County, Orange, CA.
- 2/2021 "Advances in the Diagnosis and Management of Bronchopulmonary Dysplasia." Neonatal Grand Rounds. Children's Hospital of Colorado, Aurora, CO.
- 2/2021 "What is the Evidence for the Prevention and Treatment of Bronchopulmonary Dysplasia?" Whitney Rawn Cale Endowed Lectureship. University of California at Los Angeles, Los Angeles, CA.
- 12/2020 "The Diagnosis of Bronchopulmonary Dysplasia in Very Preterm Infants: An Evidence-Based Approach." American Thoracic Society Pediatric Assembly Journal Club. Virtual Conference.
- 12/2020 "Risk and Reward: The Impact of Baseline Risk for BPD on the Efficacy of Common Preventative Therapies." Hot Topics in Neonatology. Virtual Conference.
- 10/2020 "Advances in the Diagnosis and Management of Bronchopulmonary Dysplasia," Newborn Medicine Ground Rounds, Boston Children's Hospital and Harvard University School of Medicine, Boston, MA
- 3/2020 "Post Pyloric Feeds: Friend or Foe." 6th Annual Children's Hospital of Philadelphia Chronic Lung Disease Conference. Philadelphia, PA
- 3/2020 "How to Define BPD in the Future" **Key Note Address.** 11th Dresden Symposium on Delivery Room Management and Regenerative Therapies. Dresden, Germany
- 1/2020 "BPD Clinical Phenotype." Cincinnati BPD Symposium 2020. Cincinnati Children's Hospital, Cincinnati, OH.
- 10/2019 "What is BPD?" Vermont Oxford Quality Congress, Chicago, IL.

- 3/2019 “Evidence-Based Diagnosis and Classification of Bronchopulmonary Dysplasia.” Division of Neonatology Grand Rounds, Nationwide Children’s Hospital and Ohio State University, Columbus, OH
- 3/2019 “Defining Bronchopulmonary Dysplasia: Past, Present, and Future.” 5th Annual Children’s Hospital of Philadelphia Chronic Lung Disease Conference, Philadelphia, PA
- 3/2019 “Evidence Based Approach to the Diagnosis of Bronchopulmonary Dysplasia.” 28th Annual Neonatology Conference at Nemaquin Woodlands Resort, Farmington, PA
- 12/2018 “Classification of Bronchopulmonary Dysplasia using Clinically Relevant Outcomes.” Hot Topics in Neonatology, Washington, DC
- 11/2018 “Diagnosis and Management of Severe Bronchopulmonary Dysplasia.” Department of Pediatrics Grand Rounds, Christiana Care Hospital, Newark, DE
- 9/2017 “Individualizing Care in Severe Bronchopulmonary Dysplasia: Use of N-of-1 Trials to Compare Transpyloric and Gastric Feeding.” 26th Annual Conference of American Association of SIDS Prevention Physicians, Naples, FL
- 03/2017 “The Infant Car Seat Challenge. So Much Controversy for Such a Little Seat.” Division of Neonatology, The Children’s Hospital of Philadelphia, Philadelphia, PA
- 10/2016 “Three Clinical Research Vignettes on Bronchopulmonary Dysplasia” Division of Neonatology, Morgan Stanley Children’s Hospital – New York Presbyterian/Columbia University Medical Center. New York, NY
- 02/2016 “Three Clinical Research Vignettes on Bronchopulmonary Dysplasia” Division of Neonatology, the Children's Hospital of Philadelphia, Philadelphia, PA
- 10/2014 “Challenges in the Diagnosis and Management of Gastroesophageal Reflux in Severe BPD.” Severe Chronic Lung Disease Today: Management and Outcomes Symposium. the Children's Hospital of Philadelphia, Philadelphia, PA
- 2/2014 “Findings from a Multidisciplinary Bronchopulmonary Dysplasia Research Clinical Research Program.” Division of Neonatology, University of Michigan, Ann Arbor, MI

Publications:

Peer Reviewed Original Research:

1. Aleem S, Do BT, Ganz MG, Hibbs AM, **Jensen EA**, Cotton CM, Malcolm WF, Jobe AH, Greenberg RG; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. The association of the room air challenge with long-term outcomes in extremely preterm infants. *J Perinatol.* 2024;44(9):1300-1306.

I contributed to the study design and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

2. Mueller C, Shepherd EG, Kielt MJ, Conroy S, **Jensen EA**, Bamat NA, Panitch H, Levin J, Guaman Cuevas M, Truog W, Abman SH, Nelin LD; BPD Collaborative. Surfactant treatment at birth in a contemporary cohort of preterm infants with bronchopulmonary dysplasia. *J Perinatol*. 2024 Jul 17 [Epub ahead of print].

I contributed to the study design and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

3. **Jensen EA**, DeMauro SB, Rysavy MA, Patel RM, Laughon MM, Eichenwald EC, Do B, Das A, Wright CJ. Acetaminophen for patent ductus arteriosus and risk of mortality. *Pediatrics*. 2024. 154(2):e2023065056.
4. Xu HN, Gonzalves D, Hoffman JH, Baur JA, Li LZ, **Jensen EA**. Use of optical redox imaging to quantify alveolar macrophage redox state in infants: Proof of concept experiments in a murine model and human tracheal aspirate samples. *Antioxidants*. 2024;13(5):546
5. Peebles PJ, **Jensen EA**, Herrick HM, Wildenhain PJ, Rumpel J, Moussa A, Singh N, Abou Mehrem A, Quek BH, Wagner M, Pouppirt NR, Glass KM, Tingay DG, Hodgson KA, O'Shea JE, Sawyer T, Brei BK, Jung P, Unrau J, Kim JH, Barry J, DeMeo S, Johnston LC, Nishisaki A, Foglia EE. Endotracheal tube size adjustments within seven days of neonatal intubation. *Pediatrics*. 2024:e2023062925.

I contributed to the study protocol development, statistical analyses, and interpretation of the study data; critically reviewed the manuscript for content; and approved the final manuscript draft for publication.

6. Katz TA, Bancalari E, Gordijn SJ, Higgins RD, Isayama T, **Jensen EA**, Offringa M, Pillow JJ, Shah PS, Soll RF, Stoecklin B, Mugie SM, van Kaam AH, Onland W. Towards a harmonized bronchopulmonary dysplasia definition: a study protocol for an international Delphi procedure. *BMJ Paediatr Open*. 2023;7(1):e002112.

I contributed to the study protocol and survey development, provided material support, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

7. Vitale JL, DeMauro SB, Gibbs K, Kielt MJ, Nelin LD, **Jensen EA**. Clinician opinions on nasal versus oral intubation in infants with BPD: A multicenter survey. *Pediatr Pulmonol*. 2023;58(11):3353-8.
8. Nelin TD, Yang N, Radack J, Lorch SA, DeMauro SB, Bamat NA, **Jensen EA**, Gibbs K, Just AC, Burris HH. Associations of neighborhood social vulnerability with emergency department visits and readmissions among infants with bronchopulmonary dysplasia. *J Perinatol*. 2023;43(10):1308-13.

I contributed to the study protocol development and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

9. Gentle SJ, Rysavy MA, Li L, Laughon MM, Patel RM, **Jensen EA**, Hintz S, Ambalavanan N, Carlo WA, Watterberg K; National Institute of Child Health and Human Development Neonatal Research Network. Heterogeneity of treatment effects of hydrocortisone by risk of

bronchopulmonary dysplasia or death among extremely preterm infants in the National Institute of Child Health and Human Development Neonatal Research Network trial: A secondary analysis of a randomized clinical trial. *JAMA Netw Open*. 2023;6(5):e2315315.

I contributed to study protocol development for this secondary analysis, aided with interpretation of the study data, served as a study member for local site recruitment of the primary trial, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

10. **Jensen EA**, Wiener LE, Rysavy MA, Dysart KC, Gantz MG, Eichenwald EC, Greenberg RG, Harmon HM, Laughon MM, Watterberg KL, Walsh MC, Yoder BA, Lorch SA, DeMauro SB for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Neonatal Research Network. Assessment of corticosteroid therapy and death or disability accounting for the pre-treatment risk of death or bronchopulmonary dysplasia in extremely preterm infants. *JAMA Netw Open*. 2023;6(5):e2312277.
11. Vyas-Read S, **Jensen EA**, Bamat N, Lagatta JM, Murthy K, Patel RM. Chronic lung disease-related mortality in the US from 1999-2017: trends and racial disparities. *J Perinatol*. 2022;42(9):1244-45.

I contributed to the study design and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

12. Tsukahara K, Johnson B, Klimowich K, Chiotos K, **Jensen EA**, Planet P, Phinizy P, Piccione J. Comparison of tracheal aspirate and bronchoalveolar lavage samples in the microbiological diagnosis of lower respiratory tract infection in pediatric patients. *Pediatr Pulmonol*. 2022;57(10):2405-10.

I contributed to the study design, assisted with data acquisition and interpretation, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

13. Greenberg RG, McDonald SA, Laughon MM, Tanaka D, **Jensen E**, Van Meurs K, Eichenwald E, Brumbaugh JE, Duncan A, Walsh M, Das A, Cotton CM. Online clinical tool to estimate risk of bronchopulmonary dysplasia in extremely preterm infants. *Arch Dis Child Fetal Neonatal Ed*. 2022 Jun 21 [Epub ahead of print].

I contributed to study protocol development, aided with interpretation of the study data, served as a study member for local site recruitment of study participants, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

14. DeMauro SB, Burkhardt M, Wood A, Nilan K, **Jensen EA**, Bamat NA, Zhang H, Gibbs K. Early motor development in infants with moderate or severe bronchopulmonary dysplasia. *J Neonatal Perinatal Med*. 2022;15(1):55-62

I contributed to the study design, assisted with data acquisition and interpretation, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

15. Gentle SJ, Carper B, Laughon MM, **Jensen EA**, Williams A, Travers CP, Ambalavanan N, Lal CV, Carlo WA; NICHD Neonatal Research Network. Duration of noninvasive respiratory support and risk for bronchopulmonary dysplasia or death. *J Perinatol*. 2022;42(4):454-460.

I contributed to study protocol development, aided with interpretation of the study data, served as a study member for local site recruitment of study participants, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

16. Flibotte J, Lupton AR, Shankaran S, McDonald SA, Baserga MC, Bell EF, Cotten CM, Das A, DeMauro SB, DuPont TL, Eichenwald EC, Heyne R, **Jensen EA**, Van Meurs KP, Dysart K; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Blanket temperature during therapeutic hypothermia and outcomes in hypoxic ischemic encephalopathy. *J Perinatol.* 2022;42(3):348-353.

I contributed to study protocol development for this secondary analysis, aided with interpretation of the study data, served as a study member for local site recruitment of the primary trial, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

17. **Jensen EA**, Greenspan JS, Aghai ZH, Carola DL, Eichenwald EC, DeMauro SB, Dysart K. Is it time to study routine car seat tolerance screening in a randomized controlled trial? An international survey of current practice and clinician equipoise. *J Perinatol.* 2022;42(4):507-509.
18. **Jensen EA**, Whyte RK, Schmidt B, Bassler D, Vain NE, Roberts RS; Canadian Oxygen Trial Investigators. Association between intermittent hypoxemia and severe bronchopulmonary dysplasia. *Am J Respir Crit Care Med.* 2021;204(10):1192-1199.
19. Napolitano N, Roberts T, Nickel AJ, McDonough J, Sun H, Feng R, **Jensen EA**, Dysart K, Lin R. Performance evaluation of nasal prong interface for CPAP delivery on a critical care ventilator: A bench experiment. *Respir Care.* 2021;66(10):1514-1520.

I contributed to the study design, assisted with data acquisition including performance of bench experiments, and data interpretation, and critically reviewed the manuscript for content, and approved the final manuscript draft for publication

20. **Jensen EA**, Edwards EM, Greenberg LT, Soll RF, Ehret DEY, Horbar JD. Severity of bronchopulmonary dysplasia among very preterm infants in the United States. *Pediatrics.* 2021;e2020030007.
21. Rysavy MA, Li L, Tyson JE, **Jensen EA**, Das A, Ambalavanan N, Laughon MM, Greenberg RG, Patel RM, Pedroza C, Bell EF; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Should vitamin A injections to prevent bronchopulmonary dysplasia or death be reserved for high-risk infants?: Reanalysis of the NICHD Neonatal Research Network randomized trial. *J Pediatr.* 2021;236:78-85.e5

I contributed to study protocol development for this secondary analysis, aided with interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

22. Nelin TD, Lorch S, **Jensen EA**, Alexiou S, Gibbs K, Napolitano N, Monk HH, Furth S, Shults J, Bamat NA. The association between diuretic class exposures and enteral electrolyte use in infants developing grade 2 or 3 bronchopulmonary dysplasia in United States children's hospitals. *J Perinatol.* 2021;41(4):779-785.

I contributed to study protocol development, aided with interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

23. Napolitano N, Dysart K, Soorikian L, Zhang H, Panitch H, **Jensen E**. Tolerability and efficacy of two doses of aerosolized albuterol in ventilated infants with bronchopulmonary dysplasia. *Pediatr Pulmonol.* 2021;56(1):97-104.
24. Flannery DD, **Jensen EA**, Tomlinson LA, Yu Y, Ying G, Binenbaum G, for the G-ROP Study Group. Poor postnatal weight gain is a late finding after sepsis in very preterm infants. *Arch Dis Child Fetal Neonatal Ed.* 2021; 106(3):298-304.

I contributed to study protocol development for this secondary analysis, aided with interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

25. Bamat NA, Nelin TD, Eichenwald EC, Kirpalani H, Laughon MM, Jackson WM, **Jensen EA**, Gibbs KA, Lorch SA. Loop diuretics in severe bronchopulmonary dysplasia: cumulative use and associations with mortality and age at discharge. *J Pediatr.* 2021;231:43-49.e3.

I contributed to study protocol development, aided with interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

26. Flannery DD, Mukhopadhyay S, **Jensen EA**, Gerber JS, Passarella MR, Dysart K, Aghai ZH, Greenspan J, Puopolo KM. Influence of patient characteristics on antibiotic use rates among preterm infants. *J Pediatr Infect Dis Soc.* 2021;10(2):97-103.

I contributed to study protocol development, aided with interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

27. **Jensen EA**, Roberts RS, Schmidt B. Drugs to prevent bronchopulmonary dysplasia: effect of baseline risk on the number needed to treat. *J Pediatr.* 2020;222:244-7.

28. Harmon HM, **Jensen EA**, Tan S, Chaudhary AS, Slaughter JL, Bell EF, Wyckoff MH, Hensman AM, Sokol GM, DeMauro SB; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Timing of postnatal steroids for bronchopulmonary dysplasia: association with pulmonary and neurodevelopmental outcomes. *J Perinatol.* 2020;40(4):616-27.

I contributed to study protocol development, aided with interpretation of the study data, served as a study member for local site recruitment, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

29. Wu KY, **Jensen EA**, White AM, Wang Y, Biko DM, Nilan K, Fraga MV, Mercer-Rosa L, Zhang H, Kirpalani H. Characterization of disease phenotype in very preterm infants with severe bronchopulmonary dysplasia. *Am J Respir Crit Care Med.* 2020;201(11):1398-1406.

I contributed to study protocol development and data collection, performed the statistical analyses, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

30. Foglia EE, **Jensen EA**, Wyckoff MH, Sawyer T, Topjian A, Ratcliffe SJ; American Heart Association's Get With The Guidelines-Resuscitation Investigators. Survival after delivery room cardiopulmonary resuscitation: a national registry study. *Resuscitation.* 2020;152:177-83.

I contributed to study protocol development, aided with interpretation of the study data, aided with local site recruitment, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

31. Thom CS, Devine M, Kleinman S, **Jensen EA**, Lambert MP, Padula MA. Neonatal platelet count trends during inhaled nitric oxide therapy. *Br J Haematol.* 2020;188(3):e28-30.

I contributed to study protocol development, aided with statistical analyses and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

32. **Jensen EA**, Zhang H, Feng R, Dysart K, Nilan K, Munson D, Kirpalani H. Individualizing care in severe bronchopulmonary dysplasia: A series of N-of-1 trials comparing transpyloric and gastric feeding. *Arch Dis Child Fetal Neonatal Ed.* 2020;105:399-404.

33. Ekhaguere OA, Padula MA, **Jensen EA**. Use of point of care gastric pH testing to assess the efficacy of acid suppression therapy in the neonatal intensive care unit. *Am J Perinatol.* 2020;37(4):415-20.

34. Liu Y, Perego M, Xiao Q, He Y, Fu S, He J, Liu W, Li X, Tang Y, Li X, Yuan W, Zhou W, Wu F, Jia C, Cui Q, Worthen GS, **Jensen EA**, Gabrilovich DI, Zhou J. Lactoferrin-induced myeloid-derived suppressor cell therapy attenuates pathologic inflammatory conditions in newborn mice. *J Clin Invest.* 2019;129(10):4261-75.

I contributed to study protocol development, recruited all study participants, aided with statistical analyses and interpretation of the study data, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

35. Warren MG, Do B, Das A, Smith PB, Adams-Chapman I, Jadcherla S, **Jensen EA**, Goldstein RF, Goldberg RN, Cotten CM, Bell EF, Malcolm WF; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Gastrostomy tube feeding in extremely low birth weight infants: frequency, associated comorbidities, and long-term outcomes. *J Pediatr.* 2019;214:41-6.e5.

I contributed to study protocol development, aided with interpretation of the study data, aided with local site recruitment, critically reviewed the manuscript for content, and approved the final manuscript draft for publication.

36. Ansems SM, Kirpalani H, Mercer-Rosa L, Wang Y, Hopper RK, Fraga MV, **Jensen EA**. Patent ductus arteriosus and the effects of its late closure in preterm infants with severe bronchopulmonary dysplasia. *Neonatology* 2019;116(3):236-43.

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Review Articles:

1. Glaser K, **Jensen EA**, Wright CJ. Prevention of Inflammatory disorders in the preterm neonate: an update with a special focus on BPD. *Neonatology*. 2024. *In press*.
2. **Jensen EA**, Watterberg KL. Postnatal corticosteroids to prevent bronchopulmonary dysplasia. *Neoreview*. 2023;24(11):1-13.
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2. **Jensen EA**, DeMauro SB. Reduction in mechanical ventilation: Necessary but not sufficient to prevent bronchopulmonary dysplasia in extremely preterm infants? *J Pediatr.* 2022;243:12-13.
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4. **Jensen EA.** Reply to Isayama and Shah, and to Bancalari et al. *Am J Respir Crit Care Med.* 2019;200(10):1324-5.
5. **Jensen EA**, Wright C. Bronchopulmonary dysplasia: The ongoing search for one definition to rule them all. *J Pediatr.* 2018;197:8-10.
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8. **Jensen EA**, Mong DA, Biko DM, Maschhoff KL, Kirpalani H. Imaging: Radiography, Lung Ultrasound, and Other. Goldsmith JP, Karotkin EH, Suresh G (Ed.) In: *Assisted ventilation of the neonate 6th Edition*. Saunders, St. Louis MI. 2016. pp 67-79.
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Abstracts (last 3 years):

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2. **Jensen EA**, Orians C, Gibbs K, Ryan M. Effect of postpyloric versus gastric feeding on objectively diagnosed gastroesophageal reflux in very preterm infants with bronchopulmonary dysplasia. 2024 Pediatric Academic Societies Annual Meeting, Toronto, Canada. *Platform Presentation*.
3. McCooty K, Bamat N, Gibbs K, DeMauro S, **Jensen EA**. Rescue systemic corticosteroid therapy for severe respiratory failure in bronchopulmonary dysplasia. 2023 Pediatric Academic Societies Annual Meeting, Washington, DC. *Platform Presentation*.
4. Vitale JL, DeMauro SB, Gibbs K, **Jensen EA**. Clinician Opinions on Nasal versus Oral Intubation in Infants with Bronchopulmonary Dysplasia. 2023 Pediatric Academic Societies Annual Meeting, Washington, DC.
5. **Jensen EA**, DeMauro SB, Rysavy MA, Patel RM, Laughon MM, Eichenwald E, Do B, Das A, Wright C. Mortality and respiratory morbidity associated with acetaminophen versus alternative drug therapies for treatment of a patent ductus arteriosus in very preterm infants. 2022 Pediatric Academic Societies Annual Meeting, Denver, CO. *Platform Presentation*
6. **Jensen EA**, Tanes C, Lingappan K, Piccione J, Alexiou S, Fierro J, Wright CJ, Worthen GS. Ecological continuity of bacterial communities in the respiratory and gastrointestinal tracts in ventilator dependent infants with bronchopulmonary dysplasia. 2022 Pediatric Academic Societies Annual Meeting, Denver, CO.

Current Grant Funding:

NIH/NHLBI R21HD113897 **Jensen E (PI)** **09/05/2024-08/31/2026**
 Pilot Trial Comparing Transpyloric to Gastric Feeding in Very Preterm Infants with Bronchopulmonary Dysplasia
Objective: To determine the tolerability and physiologic efficacy of transpyloric feeding to reduce objectively diagnosed gastroesophageal reflux in preterm infants with BPD.

NIH/NHLBI R01HL168066 **Jensen E (PI)** **06/01/2023-05/31/2028**
 Project Title: Multidimensional phenotype classification in grade 3 BPD
Objective: Develop an evidence-based phenotype classification system for grade 3 bronchopulmonary dysplasia using a rich array of objective and quantitative cardiopulmonary diagnostic, clinical, and biological data.

NIH/NHLBI R34HL155690 **Jensen E (PI)** **08/20/2021-07/30/2024**
(1yr NCE to be requested)
 Phase 1 Trial of Inhaled Tobramycin in Ventilator Dependent Infants with Bronchopulmonary Dysplasia
Objective: To characterize the tolerability and pharmacokinetics of up to 4 different dose levels of inhaled tobramycin in ventilator dependent very preterm infants with BPD who have pathogenic Gram-negative bacteria cultured from the lower respiratory tract

Penn Institute for Translational Medicine and Therapeutics **Jensen/Xu (PI)** **04/01/2022-03/31/2024**
NCE to 03/31/2025
 National Center for Advancing Translational Sciences UL1TR001878 subaward
 Optical Redox Imaging of Lung Macrophages in Extremely Preterm Infants with or at risk for Bronchopulmonary Dysplasia
Objective: To characterize lung macrophages (LM) state and function in very preterm infants using optical redox imaging microscopy (ORIM) at 3 stages of BPD development.

NIH/NHLBI R01HL147472 **Nefedova Y (PI)** **02/01/2020-03/31/2024**

Regulation of Neonatal Inflammation by Myeloid-Derived Suppressor Cells **NCE to 3/31/2025**

Objective: Determine the mechanism and clinical significance of myeloid derived suppressor cells (MDSC) accumulation in preterm newborns and characterize the therapeutic potential of these cells in the prevention and recovery from inflammatory mediated neonatal morbidities.

Role: Co-I

Completed Grant Funding (last 5 years):

NIH/NICHD R21 HD101111 **Truog/Lewis (PI)** **08/01/2020-07/31/2023 (1yr NCE)**

Less Lumping, Smarter Splitting: Genomics and Metabolomics of Systemic Steroid Response in Bronchopulmonary Dysplasia

Objective: To establish genetic and metabolic factors associated with the level of therapeutic responsiveness to systemic steroids used to reduce lung disease severity in bronchopulmonary dysplasia

Role: Co-I/Site PI

NIH/NHLBI K23HL136843 **Jensen E (PI)** **02/01/2018-01/31/2024 (1yr NCE)**

Project Title: Microbiome of the Airway and the Risk for Bronchopulmonary Dysplasia in the Lungs of Extreme Preterms: The MARBLE Study

Objective: To longitudinally compare the upper and lower respiratory tract microbiota among extremely preterm infants who do and do not develop BPD, evaluating for specific pathogens and microbial patterns associated with chronic oxygen dependency and airway inflammation.

American Lung Association. **Jensen E (PI)** **07/01/2017-6/30/2019**
Clinical Patient Care Research Grant **NCE to 12/31/2020**

Project Title: Bronchopulmonary dysplasia and the Early Airway Microbiome (BEAM) Study

Objective: To assess the association between identified patterns in the upper and lower respiratory tract microbiota during the first 3 weeks of life and the risk for bronchopulmonary dysplasia among extremely preterm infants receiving mechanical ventilation.

NIH/NICHD UG1 HD068244 **Eichenwald E (PI)** **04/01/2017-3/30/2020**

Project Title: Infant Car Seat Examination (INCASE) Study

Objective: To describe inter-center variability in "infant car seat challenge" (ICSC) testing practices and define the incidence and risk factors for ICSC failure in a large population of preterm infants.

Role: Sub-award PI