

Department of Neonatology

Presentations

Kristyn Beam, MD

- Epidemiology and Health Services Research Rounds, Beth Israel Deaconess Medical Center, "From NICU to Pediatric Practice: Transforming Pediatric Healthcare with AI and Large Language Models," Boston, Massachusetts. January 2025
- Massachusetts General Hospital Pediatric Grand Rounds, Massachusetts General Hospital, "From NICU to Pediatric Practice: Transforming Pediatric Healthcare with AI and Large Language Models," Boston, Massachusetts. January 2025

Dara Brodsky, MD

- Pediatric Academic Societies Meeting, "Enhancing Neonatology Fellow Leadership & Feedback During Prenatal Consults," Honolulu. April 2025
- Mount Auburn Ob/Gyn Grand Rounds, "Development of BIDMC Perinatal Comfort Care Team." February 2, 2025

Cicely Fadel, MD

- "Helping Babies Breathe: A Newborn Global Health RDS Portfolio," Addis Ababa, Ethiopia. January 12, 2025

Munish Gupta, MD

- Cleveland Clinic Symposium on Health Innovation and Neonatal Excellence, "Statistical Process Control for Quality Improvement," Orlando, Florida. January 17, 2025
- Cleveland Clinic Symposium on Health Innovation and Neonatal Excellence, "Improving Quality Improvement in Neonatology: Successes and Challenges," Orlando, Florida. January 16, 2025

Elizabeth Whitesel, MD, John Zupancic, MD, Munish Gupta, MD, DeWayne Pursley, MD, Helen Healy, MD

- New England Perinatal Society Meeting, "Supporting Successful First Extubations of Extremely Preterm Infants Using Non-Invasive Positive Pressure Ventilation (NIPPV)." March 2025

Department of Neonatology Publications

The Family Snapshot-Innovation to integrate family context into daily interactions in the NICU. Dahan M, Rotteau L, Rolnitsky A, Higazi S, Kwakye O, Lai GWS, Moulds W, Sampson L, Stannard J, O'Brien K, **Church PT**. Acta Paediatr. 2025 May;114(5):913-921. doi: 10.1111/apa.17503. Epub 2024 Nov 21. PMID: 39568410; PMCID: PMC11976113.

It's the little things. A framework and guidance for programs to care for infants 22-23 weeks' gestational age. Bernardini LB, Healy H, Battarbee AN, Brennick E, **Church P**, Pavlek LR, Tagliaferro T, Travers C, Vier K, Walsh J, Rysavy MA; Tiny Baby Collaborative Steering Committee J Perinatol. 2025 Mar 10. doi: 10.1038/s41372-025-02252-x. Epub ahead of print. PMID: 40065032.

The feasibility of virtual home visits to address unmet needs after NICU discharge. Litt JS, Belmont J, **Church PT**, Howland J, **Stewart JE**. J Perinatol. 2025 Mar;45(3):395-396. doi: 10.1038/s41372-024-02180-2. Epub 2024 Dec 14. PMID: 39674836.

Trends in Neonatal Vaccination: A Ten-year Retrospective Study in a Large Delivery Center. Mourão ML, Baca-Arzaga A, Castellanos M, Johnstone R, Miedema D, Ozonoff A, Odumade OA, **Angelidou A**. Pediatr Infect Dis J. 2025 Feb 1;44(2S):S97-S100. doi: 10.1097/INF.0000000000004661. Epub 2025 Feb 14. PMID: 39951083.

Reimagining Neonatal Follow-Up: An Equitable Model of Care Emphasizing Family and Child Function. **Church PT**, Banihani R, Litt JS, Msall M. Pediatr Clin North Am. 2025 Feb;72(1):93-109. doi: 10.1016/j.pcl.2024.07.027. Epub 2024 Sep 5. PMID: 39603729.

Early identification and communication in cerebral palsy: Navigating a collaborative approach for neonatal follow-up programmes. **Church PT**, Banihani R, Thomas K, Luther M, Agnew B, Makino A, Lam-Damji S, Fehlings D. Acta Paediatr. 2025 Feb;114(2):292-298. doi: 10.1111/apa.17458. Epub 2024 Oct 14. PMID: 39400456; PMCID: PMC11706735.

Clinical Characteristics of Necrotizing Enterocolitis Diagnosed by Independent Adjudication of Abdominal Radiographs, Laparotomy, or Autopsy in Preterm Infants in the "Connection Trial" Neu J, Singh R, Demetrian M, Flores-Torres J, Hudak M, **Zupancic JA**, Kronström A, Rastad J, Strömberg S, Thuresson M; "Connection Study" Group.. Am J Perinatol. 2025 Jan;42(2):268-280. doi: 10.1055/s-0044-1788275. Epub 2024 Jul 10. PMID: 38986486; PMCID: PMC11688151.

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Publications

AI models in clinical neonatology: a review of modeling approaches and a consensus proposal for standardized reporting of model performance. Husain A, Knake L, Sullivan B, Barry J, **Beam K**, Holmes E, Hooven T, McAdams R, Moreira A, Shalish W, Vesoulis Z. *Pediatr Res.* 2024 Dec 17. doi: 10.1038/s41390-024-03774-4. Epub ahead of print. PMID: 39681669.

Contemporary Outcomes of a National Fetal Spina Bifida Surgery Service. Kik CC, Kunpalin Y, Kulkarni AV, Varghese A, Abbasi N, Ryan G, Dekoninck PLJ, **Church PT**, Malhotra A, Raghuram K, Kelly E, Van Mieghem T. *Prenat Diagn.* 2024 Dec;44(13):1635-1640. doi: 10.1002/pd.6689. Epub 2024 Oct 19. PMID: 39425664; PMCID: PMC11628204.

Establishing feasibility and reliability of subcutaneous fat measurements by ultrasound in very preterm infants. Buck CO, **Santoro KL**, Shabanova V, Martin CR, Taylor SN. *Pediatr Res.* 2024 Dec;96(7):1724-1731. doi: 10.1038/s41390-024-03439-2. Epub 2024 Jul 28. PMID: 39069538; PMCID: PMC11772127.

The role of neighborhood on preterm birth among a high-risk group of birthing people in Boston, MA. **Fraiman YS**, Rusk SA, Rich-Edwards J, Wang X, Litt JS. *BMC Pregnancy Childbirth.* 2024 Nov 14;24(1):755. doi: 10.1186/s12884-024-06957-3. PMID: 39543519; PMCID: PMC11566739.

Effects of early intervention on the mental wellbeing and caregiving practices of preterm infant caregivers. Jang EE, Burns S, Hunte M, Vincett M, Chiarotto L, **Church PT**. *Early Hum Dev.* 2024 Nov;198:106112. doi: 10.1016/j.earlhumdev.2024.106112. Epub 2024 Sep 3. PMID: 39255625.

Need for strategic communications and stakeholder engagement to advance acceptability of an overdose preventing vaccine targeting fentanyl. Weitzman ER, Pierce SE, Blakemore LM, Murdock A, **Angelidou A**, Dowling DJ, Levy O, Levy S. *Vaccine.* 2024 Oct 24;42(24):126082. doi: 10.1016/j.vaccine.2024.06.049. Epub 2024 Jul 10. PMID: 38991914; PMCID: PMC11401752.

Safety and implementation of a phase 1 randomized GLA-SE-adjuvanted CH505TF gp120 HIV vaccine trial in newborns. Violari A, Otworld K, Hahn W, Chen S, Josipovic D, Baba V, **Angelidou A**, Smolen KK, Levy O, Mkhize NN, Woodward AS, Martin TM, Haynes B, Williams WB, Sagawa ZK, Kublin J, Polakowski L, Isaacs MB, Yen C, Tomaras G, Corey L, Janes H, Gray G. *medRxiv [Preprint].* 2024 Oct 17:2024.10.15.24315548. doi: 10.1101/2024.10.15.24315548. PMID: 39484284; PMCID: PMC11527060.