

CURRICULUM VITAE
Semsa Gogcu, M.D., MPH

Women and Infants Hospital
Warren Alpert Medical School of Brown University
Neonatal-Perinatal Fellowship Program Director
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Providence, RI, 02905
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EDUCATION

Medical School	Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey, Medical Degree, 1996
Other Advanced Degrees	New York Medical College, School of Health Sciences and Practice and Institute of Public Health, Valhalla, New York Master of Public Health Degree in Health Policy and Management, 2016 Delta Alpha Chapter of the Delta Omega Honorary Society in Public Health

POSTGRADUATE TRAINING

Residency	Department of Pediatrics, Istanbul Haydarpasa Numune Research and Training Hospital, 1997-2002 Istanbul, Turkey Department of Pediatrics Albert Einstein College of Medicine Children's Hospital at Montefiore, 2008-2010 Bronx, NY
Fellowship	Fellow, Neonatal- Perinatal Medicine Wake Forest School of Medicine, 2005-2008 Winston-Salem, NC
Educator Certificate Program	Wake Forest School of Medicine, 2019-2020 Winston-Salem, NC
Lean Six Sigma Yellow Belt Certification	Wake Forest School of Medicine, 2021 Winston-Salem, NC

POSTGRADUATE HONORS AND AWARDS

Graduated on “Honors List”, Istanbul University
Cerrahpasa Faculty of Medicine, Istanbul, Turkey, 1996

“Best in Procedures” Award, Pediatric Residency Program,
Istanbul Haydarpasa Numune Research and Training
Hospital, Istanbul, Turkey, 2000

“Best Resident” Award Pediatric Residency Program,
Istanbul Haydarpasa Numune Research and Training
Hospital, Istanbul, Turkey, 2002

Distinguished Service Award, Bakirkoy Dr. Sadi Konuk
Research and Training Hospital, Istanbul, Turkey, 2003

House Staff Teaching Award, Department of Pediatrics,
Bakirkoy Dr. Sadi Konuk Research and Training Hospital,
Istanbul, Turkey, 2004

Distinguished Service Award, Turkish Ministry of Health,
Ankara, Turkey, 2005

Service Excellence Recognition Award, Wake Forest
University, Winston- Salem, NC, 2007

Service Excellence Recognition Award, Wake Forest
University, Winston-Salem, NC, 2008

Exemplary Practice, Friend of Nursing-Attending Award
Maria Fareri Children’s Hospital, Westchester Medical
Center New York Medical College, Valhalla, NY, 2016

Member of a Remarkable Team who met Golden Hour
Intervention Requirements, Novant Health Forsyth
Medical Center NICU Winston-Salem, NC, 2017

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Doctor of Medicine, Turkey, License #8199

1996 – Present

State of Connecticut Medical License, #49170

2010 – 2014 (inactive)

New York State Medical License, # 273168

2010 – Present

North Carolina Medical License, #2016-01483

2016 – Present

Rhode Island Medical License, #19931

2024-Present

Educational Commission for Foreign Medical Graduates
Certification (ECFMG), Certificate #0-573-464-5, 1998

Pediatrician, Turkey, License #56350, 2002
Diplomate, American Board of Pediatrics, General
Pediatrics Certificate # 97425 In good standing, 2010
Diplomate, American Board of Pediatrics, Neonatal-
Perinatal Medicine, # 5277, In good standing, 2012

ACADEMIC APPOINTMENTS

Instructor, Department of Pediatrics,
Co-director, Pediatric Residency Program,
Istanbul Bakirkoy Dr. Sadi Konuk Research and Training
Hospital, Istanbul, Turkey
2002 – 2005

Assistant Professor, Department of Pediatrics, Section of
Neonatal-Perinatal Medicine
New York Medical College,
Maria Fareri Children's Hospital, Valhalla, New York,
2010 – 2016

Assistant Professor, Department of Pediatrics,
Section of Neonatal-Perinatal Medicine
Wake Forest School of Medicine, Winston-Salem, NC,
2016 – 2022

Associate Professor, Department of Pediatrics,
Section of Neonatal-Perinatal Medicine,
Wake Forest School of Medicine Winston-Salem, NC,
2022 – 2024

Adjunct Associate Professor, Department of Pediatrics,
Section of Neonatal-Perinatal Medicine,
Wake Forest School of Medicine Winston-Salem, NC,
2024-Present

Associate Professor, Department of Pediatrics,
Neonatal-Perinatal Medicine,
The Warren Alpert Medical School of Brown University
2025 – Present

HOSPITAL APPOINTMENTS

Brenner Children's Hospital, Wake Forest School of Medicine, Winston-Salem, NC
2016-Present

Women and Infants Hospital, The Warren Alpert Medical School of Brown University, Providence, RI
2024-Present

OTHER APPOINTMENTS

Eastern Society for Pediatric Research, President

2025- Present

Eastern Society for Pediatric Research, Treasurer,

2021 – 2025

Eastern Society for Pediatric Research, Executive Council,

2021 – 2026

Society for Pediatric Research, Executive Council,

2023-Present

Society for Pediatric Research, Chair,

Justice, Equity, Inclusion, Diversity Task Force

2023-Present

Abstract Reviewer Pediatric Academic Society Annual Meeting,
2018 – Present
Eastern Society for Pediatric Research Annual Meeting,
2015 – Present

Session Moderator American Academy of Pediatrics, Section on Perinatal
Pediatrics, 35th Greater New York Conference on Perinatal
Research, November 13, 2013
Session A, Clinical Medicine 3:00-4:30PM
Tarrytown, NY
Eastern Society for Pediatric Research Annual Meeting
March 12, 2016, Philadelphia, PA
Neonatal Potpourri, 4:30-6:00PM

Eastern Society for Pediatric Research Annual Meeting,
March 10, 2021, Virtual
Neonatal Resuscitation, 8:00-10:00 AM

Eastern Society for Pediatric Research Annual Meeting,
March 11, 2022, Virtual
Social Determinants of Health, 10:00-11:30 AM
Education, 3:00-5:00 PM

Eastern Society for Pediatric Research Annual Meeting,
March 11, 2023, Philadelphia, PA
Social Determinants of Health, 8:00-8:30 AM

Eastern Society for Pediatric Research Annual Meeting,
March 12, 2023, Philadelphia, PA
General Pediatrics, 10:45-12:30 PM

Pediatric Academic Societies Meeting, April 29, 2023,
Washington, DC
Neonatal Nephrology/AKI, 3:30-5:00 PM

Pediatric Academic Societies Meeting, May 1, 2023,
Washington, DC

Neonatal Nephrology: Preterm Clinical, 8:00-9:30 AM

Eastern Society for Pediatric Research Annual Meeting,
March 9, 2024, Philadelphia, PA
Health Services Research, 9:45-10:45AM

Eastern Society for Pediatric Research Annual Meeting,
March 10, 2024, Philadelphia, PA
Neonatology Quality Improvement, 9:45-10:45AM

Pediatric Academic Societies Meeting, May 3, 2024,
Toronto, Canada
Neonatal Neurology 1: Preterm Clinical, 3:45-5:15 PM

Pediatric Academic Societies Meeting, May 6, 2024.
Toronto, Canada
Neonatal Follow-up 2, 1:00-2:30 PM

Workshop Presenter Children's Hospital Neonatal Consortium Annual
Conference, October 28, 2023, Denver, CO
"Genetics in the NICU: Genetic Test Interpretation and
Rare Disease Resources"

Children's Hospital Neonatal Consortium Annual
Conference, October 27, 2024, Denver, CO
"Bridging the Gap: renal Replacement Therapy in the
NICU"

Steering Committee Member Developmental Impacts of Neonatal Exposures (ECHO-
DINE), 2022 – Present

Extremely Low Gestational Age Newborns 3,
Environment, Epigenetics, Neurodevelopment & Health
of Extremely Preterm Children (ELGAN3-ECHO)
2019 – Present

Preterm Erythropoietin Neuroprotection Trial (PENUT),
2013 – 2020

Symposium Organizer AAP Chapter 3, District II, Annual Perinatal Day
Symposium, 2012 – 2016, Westchester, NY

Eastern Society for Pediatric Research, Annual Scientific
Meeting,
2021 – 2022: Virtual
2023-Present: Philadelphia, PA

HOSPITAL COMMITTEES

Residency Program Co-Director, Department of Pediatrics, Bakirkoy Dr. Sadi Konuk Research and Training, Hospital, Istanbul, Turkey, 2002 – 2005

Regional Neonatal Follow-up Program, Maria Fareri Children's Hospital, New York Medical College, Valhalla, NY, 2011 – 2016

Neonatal-Perinatal Fellowship Selection Committee, Maria Fareri Children's Hospital, New York Medical College, Valhalla, NY, 2012 – 2016

Neonatal-Perinatal Fellowship Clinical Competency Committee, Maria Fareri Children's Hospital, New York Medical College, Valhalla, NY, 2012 – 2016

Neonatal Follow-up Program, Wake Forest School of Medicine, Winston-Salem, NC, 2016 – 2024

Women in Medicine and Science, Liaison for the Pediatric Department, Wake Forest School of Medicine, Winston-Salem, NC, 2020 – Present

UNIVERSITY COMMITTEES

Medical School Applicant Interviewer Wake Forest School of Medicine, Winston Salem, NC, 2018 – Present

Faculty Recruitment and Retention Committee, Member Wake Forest School of Medicine, Winston Salem, NC, 2017 – 2024

Institutional Review Board #2, Member, Wake Forest School of Medicine Winston Salem, NC, 2018 – 2024

Continuing Medical Education Board, Member Wake Forest School of Medicine, Winston Salem, NC, 2019 – 2024

Institutional Review Board, Member, Women and Infants Hospital, Providence, RI, 2025-Present

MEMBERSHIP IN SOCIETIES

Turkish Medical Association, 1996 – Present
 Turkish Pediatricians' Association, 2002 – Present
 American Academy of Pediatrics, 2005 – Present
 Eastern Society of Pediatric Research, 2012 – Present
 New York Perinatal Society, 2012 – Present
 Neonatal Kidney Collaborative, 2015 – Present
 North Carolina Medical Society, 2016 – Present
 Delta Alpha Chapter of the Delta Omega Honorary Society
 in Public Health, 2016 – Present
 Women in Neonatology, 2018 – Present
 Newborn Brain Society, 2020 – Present
 Neonatal Kidney Collaborative, Advocacy Committee,
 2019 – Present
 Society for Pediatric Research, 2022 – Present

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Aka S, Erverdi D, Gogcu S, Ozguner A. Serum Calcium Levels in Children on Anticonvulsant Drug Therapy. *The Journal of PTT Research and Training Hospital*. December 2000; 22(3):154-156.
2. Kiral A, Celik C, Yavrucu S, Gogcu S. Serum Osteocalcin Values of Renal Osteodystrophic Children Who Have Chronic Renal Failure. *The Journal of Kartal Training and Research Hospital*. 2000; IX (1-2):792-794.
3. Kiral A, Kaya A, Gogcu S, Yavrucu S. The Evaluation of Tuberculin Skin Test Results in Asthmatic Children. *The Journal of PTT Research and Training Hospital*. December 2000; 24(5): 203-206.
4. Kiral A, Gogcu S, Yavrucu S. The Role of Exposure to Secondhand Smoking in the Etiology of Asthma. *The Journal of Kartal Training and Research Hospital*. 2000; XII (3- 4):898-901
5. Erol N, Gogcu S, Yavrucu S. A Case Report: Kala-azar. *Turkish Pediatrics Archives*. 2001 Mar; 36(1):56-60.
6. Shah AR, Wilfond BS, Silvia A, Hancuch K, Woodrum D, Heagerty P, Ohls RK, Courtney SE, Frantz ID, Gogcu S, Bishop CE, Ahmad KA, Kathen C, Juul S; PENUT Neonatal Informed Consent Working Group. Informed consent for a neonatal clinical trial: parental experiences and perspectives. *J Perinatol*. 2018 Jul;38(7):865-872. doi: 10.1038/s41372-018-0119-6. Epub 2018 May 25. PMID: 29795451.

7. Gogcu S, Washburn L, O'Shea TM. Treatment for hypotension in the first 24 postnatal hours and the risk of hearing loss among extremely low birth weight infants. *J Perinatol*. 2020; 40(5):774-780. doi:10.1038/s41372-020-0628-y
8. Gogcu S, Aboudi D, Kase J, LaGamma E, Brumberg HL. Presence of neonatal intensive care services at birth hospital and early intervention enrollment in infants ≤ 1500 g. *J Perinat Med*. 2020 Apr 9:/j/jpme.ahead-of-print/jpm-2019-0393/jpm-2019-0393.xml. doi: 10.1515/jpm-2019-0393
9. Law JB, Wood TR, Gogcu S, Comstock BA, Dighe M, Perez K, Puia-Dumitrescu M, Mayock DE, Heagerty PJ, Juul SE. Intracranial Hemorrhage and 2-Year Neurodevelopmental Outcomes in Infants Born Extremely Preterm. *J Pediatr*. 2021 Nov; 238:124-134.e10. doi: 10.1016/j.jpeds.2021.06.071. Epub 2021 Jul 2. PMID: 34217769; PMCID: PMC8551011
10. Puia-Dumitrescu M, Comstock BA, Li S, Heagerty PJ, Perez KM, Law JB, Wood TR, Gogcu S, Mayock DE, Juul SE; PENUT Consortium. Assessment of 2-Year Neurodevelopmental Outcomes in Extremely Preterm Infants Receiving Opioids and Benzodiazepines. *JAMA Netw Open*. 2021 Jul 1;4(7):e2115998. doi: 10.1001/jamanetworkopen.2021.15998. PMID: 34232302; PMCID: PMC8264640
11. Mayock DE, Gogcu S, Puia-Dumitrescu M, Shaw DWW, Wright JN, Comstock BA, Heagerty PJ, Juul SE; Preterm Erythropoietin Neuroprotection (PENUT) Trial Consortium. Association between Term Equivalent Brain Magnetic Resonance Imaging and 2-Year Outcomes in Extremely Preterm Infants: A Report from the Preterm Erythropoietin Neuroprotection Trial Cohort. *J Pediatr*. 2021 Dec; 239:117-125.e6. doi: 10.1016/j.jpeds. 2021. 08.040. Epub 2021 Aug 26. PMID: 34454953; PMCID: PMC9052881.
12. Frazier JA, Cochran D, Kim S, Jalnapurkar I, Joseph RM, Hooper SR, Santos HP Jr, Ru H, Venuti L, Singh R, Washburn LK, Gogcu S, Msall ME, Kuban KCK, Rollins JV, Hanson SG, Jara H, Pastyrnak SL, Roell KR, Fry RC, O'Shea TM; ELGAN Study Investigators. Psychiatric Outcomes, Functioning, and Participation in Extremely Low Gestational Age Newborns at Age 15 Years. *J Am Acad Child Adolesc Psychiatry*. 2022 Jul;61(7):892- 904.e2. doi: 10.1016/j.jaac.2021.12.008.

Epub 2021 Dec 29. PMID: 34973366; PMCID: PMC9240104.

13. Puia-Dumitrescu M, Wood TR, Comstock BA, Law JB, German K, Perez KM, Gogcu S, Mayock DE, Heagerty PJ, Juul SE; Preterm Erythropoietin Neuroprotection (PENUT) Trial Consortium. Dexamethasone, Prednisolone, and Methylprednisolone Use and 2- Year Neurodevelopmental Outcomes in Extremely Preterm Infants. *JAMA Netw Open*. 2022 Mar 1;5(3):e221947. doi: 10.1001/jamanetworkopen.2022.1947. PMID: 35275165; PMCID: PMC8917427

14. Juul SE, Wood TR, Comstock BA, Perez K, Gogcu S, Puia-Dumitrescu M, Berkelhamer S, Heagerty PJ; PENUT Consortium. Deaths in a Modern Cohort of Extremely Preterm Infants from the Preterm Erythropoietin Neuroprotection Trial. *JAMA Netw Open*. 2022 Feb 1;5(2): e2146404. doi: 10.1001/jamanetworkopen.2021.46404. PMID: 35129596

15. Eaves LA, Enggasser AE, Camerota M, Gogcu S, Gower WA, Hartwell H, Jackson WM, Jensen E, Joseph RM, Marsit CJ, Roell K, Santos HP Jr, Shenberger JS, Smeester L, Yanni D, Kuban KCK, O'Shea TM, Fry RC. CpG methylation patterns in placenta and neonatal blood are differentially associated with neonatal inflammation. *Pediatr Res*. 2022 Jun 28. doi: 10.1038/s41390-022-02150-4. Epub ahead of print. PMID: 35764815

16. Vaidya R, Yi JX, O'Shea TM, Jensen ET, Joseph RM, Shenberger J, Gogcu S, Wagner K, Msall ME, Thompson AL, Frazier JA, Fry R, Singh R; ELGAN-ECHO Study Investigators. Long-Term Outcome of Necrotizing Enterocolitis and Spontaneous Intestinal Perforation. *Pediatrics*. 2022 Nov 1;150(5): e2022056445. doi: 10.1542/peds.2022-056445. PMID: 36200375; PMCID: PMC9647591.

17. Juul SE, Wood TR, German K, Law JB, Kolnik SE, Puia-Dumitrescu M, Mietzsch U, Gogcu S, Comstock BA, Li S, Mayock DE, Heagerty PJ; PENUT Consortium. Predicting 2-year neurodevelopmental outcomes in extremely preterm infants using graphical network and machine learning approaches. *EClinicalMedicine*. 2022 Dec 26; 56:101782. doi: 10.1016/j.eclinm.2022.101782. PMID: 36618896; PMCID: PMC9813758

18. O'Shea TM, Register HM, Yi JX, Jensen ET,

Joseph RM, Kuban KCK, Frazier JA, Washburn L, Belfort M, South AM, Santos HP Jr, Shenberger J, Perrin EM, Thompson AL, Singh R, Rollins J, Gogcu S, Sanderson K, Wood C, Fry RC; ELGAN-ECHO Pulmonary/Obesity Group. Growth During Infancy After Extremely Preterm Birth: Associations with Later Neurodevelopmental and Health Outcomes. *J Pediatr*. 2023 Jan; 252:40-47. e5. doi: 10.1016/j.jpeds.2022.08.015. Epub 2022 Aug 18. PMID: 35987367; PMCID: PMC10242541.

19. Wood CT, Churchill ML, McGrath M, Aschner J, Brunwasser SM, Geiger S, Gogcu S, Hartert TV, Hipwell AE, Lee-Sarwar K, Lyall K, Moog NK, O'Connor TG, O'Shea TM, Smith PB, Wright RJ, Zhang X, Zimmerman E, Huddleston KC, Brown CL; program collaborators for Environmental influences on Child Health Outcomes. Maternal stress and early childhood BMI among US children from the Environmental influences on Child Health Outcomes (ECHO) program. *Pediatr Res*. 2023 Jul 21. doi: 10.1038/s41390-023-02750-8. Epub ahead of print. PMID: 37479746.

20. Wojcik MH, Callahan KP, Antoniou A, Del Rosario MC, Brunelli L, ElHassan NO, Gogcu S, Murthy K, Rumpel JA, Wambach JA, Suhrie K, Fishler K, Chaudhari BP. Provision and availability of genomic medicine services in Level IV neonatal intensive care units. *Genet Med*. 2023 Jul 6;25(10):100926. doi: 10.1016/j.gim.2023.100926. Epub ahead of print. PMID: 37422715.

21. Santos HP Jr, Enggasser AE, Clark J, Roell K, Zhabotynsky V, Gower WA, Yanni D, Yang NG, Washburn L, Gogcu S, Marsit CJ, Kuban K, O'Shea TM, Fry RC. Sexually dimorphic methylation patterns characterize the placenta and blood from extremely preterm newborns. *BMC Biol*. 2023 Aug 23;21(1):173. doi: 10.1186/s12915-023-01662-7. PMID: 37608375; PMCID: PMC10464100.

22. Strobel K, Wood T, Valentine G, German K, Gogcu S, Hendrixson D, Kolnik S, Law J, Mayock D, Comstock B, Heagerty P, Juul S. Contemporary Definitions of Infant Growth Failure and Neurodevelopmental and Behavioral Outcomes in Extremely Premature Infants at Two Years of Age. *Res Sq [Preprint]*. 2023 Aug 9: rs.3.rs-3228742. doi: 10.21203/rs.3.rs-3228742/v1. PMID: 37609333; PMCID: PMC10441482

23. Camerota M, McGowan EC, Aschner J, Stroustrup

A, O'Shea TM, Hofheimer JA, Joseph RM, Musci R, Taylor G, Carter BS, Check J, Dansereau LM, Gogcu S, Helderman JB, Neal CR, Pastyrnak SL, Smith LM, Marsit CJ, Lester BM; program collaborators for Environmental influences on Child Health Outcomes.

Neurodevelopmental and behavioral outcomes of very preterm infants: latent profile analysis in the Environmental influences on Child Health Outcomes (ECHO) Program. *Pediatr Res.* 2023 Sep 12. doi: 10.1038/s41390-023-02814-9. Epub ahead of print. PMID: 37700161.

24. Padula MA, Naing K, Wenger TL, Ahmad I, Coghill CH 3rd, Wild KT, Rottgers SA, Resnick CM, Goldstein J, Ehsan Z, Watkins D, Deptula N, Lai KC, Lioy J, Gogcu S, Cielo CM. Spectrum of Disease in Hospitalized Newborns with Congenital Micrognathia: A Cohort of 3,236 Infants at North American Tertiary-Care Intensive Care Units. *J Pediatr.* 2023 Oct 23; 265:113799. doi: 10.1016/j.jpeds. 2023.113799. Epub ahead of print. PMID: 37879601

25. Call C, Oran A, O'Shea TM, Jensen ET, Frazier JA, Vaidya R, Shenberger J, Gogcu S, Msall ME, Kim S, Jalnapurkar I, Fry RC, Singh R. Social determinants of health rather than race impact health-related quality of life in 10-year-old children born extremely preterm. *Front Pediatr.* 2024 Mar 14;12:1359270. doi: 10.3389/fped.2024.1359270. PMID: 38550629; PMCID: PMC10972878

26. Sriram S, Jensen E, Msall M, Yi J, Zhabotynsky V, Joseph R, Kuban K, Frazier J, Hooper S, Santos H, Gogcu S, Shenberger J, Fry R, O'Shea T. Retinopathy of prematurity and neurodevelopmental outcome and quality of life at 10 years of age. *Res Sq [Preprint].* 2024 May 8;rs.3.rs-4324566. doi: 10.21203/rs.3.rs-4324566/v1. PMID: 38766141; PMCID: PMC11100895.

27. Call C, Oran A, O'Shea TM, Jensen ET, Frazier JA, Vaidya R, Shenberger J, Gogcu S, Msall ME, Kim S, Jalnapurkar I, Fry RC, Singh R. Health-related quality of life at age 10 years in children born extremely preterm. *J Perinatol.* 2024 Jun;44(6):835-843. doi: 10.1038/s41372-024-01987-3. Epub 2024 May 17. PMID: 38760579.

28. Emmanuel C, Oran A, Jensen ET, Fichorova RN, Gower WA, Perrin EM, Sanderson K, South AM, Gogcu

S, Shenberger J, Singh R, Makker K, Thompson AL, Santos H, Fry RC, O'Shea TM; ELGAN-ECHO Study Investigators. Neonatal inflammation and its association with asthma and obesity in late childhood among individuals born extremely preterm. *Pediatr Res*. 2024 Jun 24. doi: 10.1038/s41390-024-03325-x. Epub ahead of print. PMID: 38914762.

29. Reidy KJ, Guillet R, Selewski DT, Defreitas M, Stone S, Starr MC, Harer MW, Todurkar N, Vuong KT, Gogcu S, Askenazi D, Tipple TE, Charlton JR. Advocating for the inclusion of kidney health outcomes in neonatal research: best practice recommendations by the Neonatal Kidney Collaborative. *J Perinatol*. 2024 Jul 5. doi: 10.1038/s41372-024-02030-1. Epub ahead of print. PMID: 38969825.

30. Rumpel JA, Perazzo S, Bona J, South AM, Harer MW, Liu D, Starr MC, Khattab M, Han R, Slagle C, Ciccio E, Najaf T, Gillen M, Harsono M, Nada A, Dwarakanath K, Gogcu S, Mohamed T, Stoops C, Bonachea E, Revenis M, Roberts J, Lenzini RM Jr, Debuyserie A, Joseph C, Murthy K, Ray P, Schootman M, Nagel C. ADVANCE: a biomedical informatics approach to investigate acute kidney injury in infants. *Pediatr Res*. 2024 Aug 9. doi: 10.1038/s41390-024-03436-5. Epub ahead of print. PMID: 39122822.

31. Quiñones Cardona V, Cohen SS, Cook N, Cizmeci MN, Chandel A, DiGeronimo R, Gogcu S, Jano E, Kojima K, Lee KS, McAdams RM, Menkiti O, Mietzsch U, Peebles E, Sewell E, Shenberger JS, Massaro AN, Natarajan G, Rao R, Dizon MLV; Children's Hospitals Neonatal Consortium. The Current State of Neonatal Neurodevelopmental Follow-up Programs in North America: A Children's Hospitals Neonatal Consortium Report. *Am J Perinatol*. 2024 Oct;41(14):1956-1964. doi: 10.1055/a-2283-8843. Epub 2024 Mar 8. PMID: 38458236.

32. Sanderson K, Oran A, Singh R, Gogcu S, Perrin EM, Washburn L, Zhabotynsky V, South AM, Jensen ET, Fry RC, O'Shea TM. The intergenerational metabolic-cardiovascular life course: maternal body mass index (BMI), offspring BMI, and blood pressure of adolescents born extremely preterm. *Pediatr Nephrol*. 2024 Sep 24. doi: 10.1007/s00467-024-06523-1. Epub ahead of print. PMID: 39316152.

33. Jalnapurkar I, Oran A, Frazier JA, Cochran D, Kim S,

Jensen E, Joseph R, Hooper SR, Santos H Jr, Jara H, Kuban KCK, Msall ME, Singh R, Washburn L, Gogcu S, Hanson S, Venuti L, Fry RC, O'Shea TM. Maternal and psychosocial antecedents of anxiety and depression in extremely low gestational age newborns at age 15 years. *Front Child Adolesc Psychiatry*. 2024 Sep 13;3:1334316. doi: 10.3389/frcha.2024.1334316. PMID: 39816584; PMCID: PMC11731609.

34. Miller RL, Schuh H, Chandran A, Habre R, Angal J, Aris IM, Aschner JL, Bendixsen CG, Blossom J, Bosquet-Enlow M, Breton CV, Camargo CA Jr, Carroll KN, Commodore S, Croen LA, Dabelea DM, Deoni SCL, Ferrara A, Fry RC, Ganiban JM, Geiger SD, Gern JE, Gilliland FD, Gogcu S, Gold DR, Hare ME, Harte RN, Hartert TV, Hertz-Picciotto I, Hipwell AE, Jackson DJ, Karagas MK, Khurana Hershey GK, Kim H, Litonjua AA, Marsit CJ, McEvoy CT, Mendonça EA, Moore PE, Nguyen AP, Nkoy FL, O'Connor TG, Oken E, Ownby DR, Perzanowski M, Rivera-Spoljaric K, Sathyanarayana S, Singh AM, Stanford JB, Stroustrup A, Towe-Goodman N, Wang VA, Woodruff TJ, Wright RO, Wright RJ, Zanobetti A, Zoratti EM, Johnson CC; ECHO Cohort Consortium. Child Opportunity Index at birth and asthma with recurrent exacerbations in the US ECHO program. *J Allergy Clin Immunol*. 2025 Mar 13:S0091-6749(25)00273-8. doi: 10.1016/j.jaci.2025.02.036. Epub ahead of print. PMID: 40089117.

35. Niu Z, Ako AA, Geiger SD, Howe CG, Perng W, Singh R, Karagas MR, Elliott AJ, Cassidy-Bushrow A, Camargo CA, Sanderson K, McEvoy CT, Oken E, Dabelea D, Hartert TV, Carter B, Stroustrup A, Lampland A, O'Connor TG, Gogcu S, Hudak ML, Shorey-Kendrick LE, Zhao Q, Ni Y, VanWormer J, Ferrara A, Hedderson M, Zhu Y, Alshawabkeh A, Cordero J, Koinis-Mitchell D, Carnell S, Breton CV, Bastain TM, Farzan SF; ECHO Cohort Consortium. Maternal Cardiometabolic Risk Factors in Pregnancy and Offspring Blood Pressure at Age 2 to 18 Years. *JAMA Netw Open*. 2025 May 1;8(5):e259205. doi: 10.1001/jamanetworkopen.2025.9205. PMID: 40338548; PMCID: PMC12062903.

36. German K, Wood TR, Gogcu S, Heagerty PJ, Mayock DE, Comstock BA, Puia-Dumitrescu M, Kolnik S,

Mietzsch U, Law J, Perez K, Valentine G, Bammler TK, Juul SE; PENUT Trial Consortium. Neurodevelopmental outcomes after red cell transfusion exposure in male versus female extremely preterm infants. *Pediatr Res*. 2025 Jun 2. doi: 10.1038/s41390-025-04149-z. Epub ahead of print. PMID: 40456918.

OTHER NON-PEER REVIEWED PUBLICATIONS

Mandru Cosmina, Gogcu Semsu. Bioethics of Fetal Surgery. *The Perinatal Gazette*, Newsletter of the Regional Perinatal Center Maria Fareri Children's Hospital at Westchester Medical Center. January 2016; Volume 16, Issue 1

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

1. Juul SE, Comstock BA, Wadhawan R, et al. A Randomized Trial of Erythropoietin for Neuroprotection in Preterm Infants. *N Engl J Med*. 2020 Jan 16; 382(3):233-243. doi: 10.1056/NEJMoa1907423.
2. Askenazi DJ, Heagerty PJ, Schmicker RH, et al. Prevalence of acute kidney injury (AKI) in extremely low gestational age neonates (ELGAN). *Pediatr Nephrol*. 2020 Sep;35(9):1737- 1748. doi: 10.1007/s00467-020-04563-x. Epub 2020 Jun 2. PubMed PMID: 32488672.
3. Juul SE, Vu PT, Comstock BA, et al. Effect of high-dose erythropoietin on blood transfusions in extremely low gestational age neonates: Post Hoc Analysis of a Randomized Clinical Trial. *JAMA Pediatr*. 2020 Oct 1;174(10):933-943. doi: 10.1001/jamapediatrics.2020.2271.
4. Mayock DE, Xie Z, Comstock BA, Heagerty PJ, Juul SE; Preterm Epo Neuroprotection (PENUT) Trial Consortium. High-Dose erythropoietin in extremely low gestational age neonates does not alter risk of retinopathy of prematurity. *Neonatology*. 2020 Oct 28:1-8. doi: 10.1159/000511262. Epub ahead of print. PMID: 33113526
5. Vu PT, Ohls RK, Mayock DE, German KR, Comstock BA, Heagerty PJ, Juul SE; PENUT Consortium.

Transfusions and neurodevelopmental outcomes in extremely low gestation neonates enrolled in the PENUT Trial: a randomized clinical trial. *Pediatr Res*. 2021 Jan 11:1–8. doi: 10.1038/s41390-020-01273-w. Epub ahead of print. PMID: 33432157; PMCID: PMC7797706.

6. Askenazi DJ, Heagerty PJ, Schmicker RH, Brophy P, Juul SE, Goldstein SL, Hingorani S; PENUT Trial Consortium. The Impact of Erythropoietin on Short- and Long-Term Kidney- Related Outcomes in Neonates of Extremely Low Gestational Age. Results of a Multicenter, Double-Blind, Placebo-Controlled Randomized Clinical Trial. *J Pediatr*. 2021 May;232:65- 72.e7. doi: 10.1016/j.jpeds.2021.01.031. Epub 2021 Jan 20. PMID: 33484699; PMCID: PMC8093092

7. Garcia MR, Comstock BA, Patel RM, Tolia VN, Josephson CD, Georgieff MK, Rao R, Monsell SE, Juul SE, Ahmad KA; PENUT Trial Consortium. Iron supplementation and the risk of bronchopulmonary dysplasia in extremely low gestational age newborns. *Pediatr Res*. 2022 Jun 20:10.1038/s41390-022-02160-2. doi: 10.1038/s41390-022-02160-2. Epub ahead of print. PMID: 35725917; PMCID: PMC9763546.

8. McNaughton R, Pieper C, Sakai O, Rollins JV, Zhang X, Kennedy DN, Frazier JA, Douglass L, Heeren T, Fry RC, O'Shea TM, Kuban KK, Jara H; ELGAN-ECHO Study Investigators. Quantitative MRI Characterization of the Extremely Preterm Brain at Adolescence: Atypical versus Neurotypical Developmental Pathways. *Radiology*. 2022 Aug;304(2):419-428. doi: 10.1148/radiol.210385. Epub 2022 Apr 26. PMID: 35471112; PMCID: PMC9340244.

9. LeWinn KZ, Trasande L, Law A, Blackwell CK, Bekelman TA, Arizaga JA, Sullivan AA, Bastain TM, Breton CV, Karagas MR, Elliott AJ, Karr CJ, Carroll KN, Dunlop AL, Croen LA, Margolis AE, Alshawabkeh AN, Cordero JF, Singh AM, Seroogy CM, Jackson DJ, Wood RA, Hartert TV, Kim YS, Duarte CS, Schweitzer JB, Lester BM, McEvoy CT, O'Connor TG, Oken E, Bornkamp N, Brown ED Jr, Porucznik CA, Ferrara A, Camargo CA Jr, Zhao Q, Ganiban JM, Jacobson LP; Environmental influences on Child Health Outcomes Consortium. Sociodemographic Differences in COVID-19 Pandemic Experiences Among Families in the United States. *JAMA Netw Open*. 2023 Aug 1;6(8):e2330495. doi: 10.1001/jamanetworkopen.2023.30495. PMID: 37610749; PMCID: PMC10448300.

- 10.** Hingorani SR, Schmicker RH, Halloran B, Brophy P, Heagerty PJ, Juul S, Goldstein SL, Askenazi D; PENUT Investigators. Association Between Urinary Biomarkers and CKD in Extremely Low Gestational Age Neonates. *Am J Kidney Dis.* 2024 Apr;83(4):497-507. doi: 10.1053/j.ajkd.2023.09.008. Epub 2023 Nov 4. PMID: 37926336; PMCID: PMC10960703.
- 11.** McKee K, Bassis CM, Golob J, Palazzolo B, Sen A, Comstock SS, Rosas-Salazar C, Stanford JB, O'Connor T, Gern JE, Paneth N, Dunlop AL; ECHO Cohort Consortium. Host factors are associated with vaginal microbiome structure in pregnancy in the ECHO Cohort Consortium. *Sci Rep.* 2024 May 23;14(1):11798. doi: 10.1038/s41598-024-62537-7. PMID: 38782975; PMCID: PMC11116393
- 12.** Aris IM, Wu AJ, Lin PD, Zhang M, Farid H, Hedderson MM, Zhu Y, Ferrara A, Chehab RF, Barrett ES, Carnell S, Camargo CA Jr, Chu SH, Mirzakhani H, Kelly RS, Comstock SS, Strakovsky RS, O'Connor TG, Ganiban JM, Dunlop AL, Dabelea D, Breton CV, Bastain TM, Farzan SF, Call CC, Hartert T, Snyder B, Santarossa S, Cassidy-Bushrow AE, O'Shea TM, McCormack LA, Karagas MR, McEvoy CT, Alshawabkeh A, Zimmerman E, Wright RJ, McCann M, Wright RO, Coull B, Amutah-Onukagha N, Hacker MR, James-Todd T, Oken E; ECHO Cohort Consortium. Neighborhood Food Access in Early Life and Trajectories of Child Body Mass Index and Obesity. *JAMA Pediatr.* 2024 Sep 16:e243459. doi: 10.1001/jamapediatrics.2024.3459. Epub ahead of print. PMID: 39283628; PMCID: PMC11406455.
- 13.** Hedderson MM, Schuh HB, Knapp EA, Bekelman TA, Catellier DJ, Westlake M, Lyall K, Schmidt RJ, Dunlop AL, Comstock SS, Chatzi L, Sauder KA, Dabelea D, Switkowski KM, Lin PD, Avalos LA, Zhu Y, Ferrara A; ECHO Cohort Consortium. Prenatal Diet and Infant Growth From Birth to Age 24 Months. *JAMA Netw Open.* 2024 Nov 4;7(11):e2445771. doi: 10.1001/jamanetworkopen.2024.45771. PMID: 39570591; PMCID: PMC11582932.
- 14.** Bloom MS, Upadhyaya S, Nzegwu AW, Kuiper JR, Buckley JP, Aschner J, Barr D, Barrett ES, Bennett DH, Dabelea D, Dunlop AL, Fuller A, Karagas M, Liang D, Meeker J, Miller R, O'Connor TG, Romano ME, Sathyanarayana S, Starling AP, Stroustrup A, Watkins DJ; ECHO Cohort Consortium. Racial and ethnic differences in prenatal exposure to environmental phenols and parabens in the ECHO Cohort. *J Expo Sci Environ*

Epidemiol. 2025 Feb 15. doi: 10.1038/s41370-025-00750-w. Epub ahead of print. PMID: 39955434.

15.Bloom MS, Upadhyaya S, Nzegwu AW, Kuiper JR, Buckley JP, Aschner J, Barr D, Barrett ES, Bennett DH, Dabelea D, Dunlop AL, Fuller A, Karagas M, Liang D, Meeker J, Miller R, O'Connor TG, Romano ME, Sathyanarayana S, Starling AP, Stroustrup A, Watkins DJ; ECHO Cohort Consortium. Racial and ethnic differences in prenatal exposure to environmental phenols and parabens in the ECHO Cohort. *J Expo Sci Environ Epidemiol.* 2025 Feb 15. doi: 10.1038/s41370-025-00750-w. Epub ahead of print. PMID: 39955434.

16.Rose T, Lambert S, Liu C, Raghunathan RS, Musci RJ, Sullivan ADW, Lyall K, Elliott AJ, McEvoy CT, Frazier JA, Shipp GM, Koinis-Mitchell D, Ganiban JM; ECHO Cohort Consortium. Socio-ecological domains and adolescent mental health: An application of the dual-factor model. *J Res Adolesc.* 2025 Jun;35(2):e70029. doi: 10.1111/jora.70029. PMID: 40400085; PMCID: PMC12095899.

17. Bragg MG, Rando J, Carroll KN, Eick SM, Karagas MR, Lin PI, Schmidt RJ, Lyall K; ECHO Cohort Consortium. The Association of Prenatal Dietary Factors with Child Autism Diagnosis and Autism-Related Traits Using a Mixtures Approach: Results from the Environmental Influences on Child Health Outcomes Cohort. *J Nutr.* 2025 Jun;155(6):1938-1951. doi: 10.1016/j.tjnut.2025.02.025. Epub 2025 Mar 17. PMID: 40107454.

18.Nigra AE, Bloomquist TR, Rajeev T, Burjak M, Casey JA, Goin DE, Herbstman JB, Ornelas Van Horne Y, Wylie BJ, Cerna-Turoff I, Braun JM, McArthur KL, Karagas MR, Ames JL, Sherrie AR, Bulka CM, Padula AM, Howe CG, Fry RC, Eaves LA, Breton CV, Cassidy-Bushrow AE, Lewis J, MacKenzie D, Beene D, Farzan SF, Sathyanarayana S, Hipwell AE, Morello-Frosch R, Snyder BM, Hartert TV, Elliott AJ, O'Connor TG, Kress AM; ECHO Cohort Consortium. Public Water Arsenic and Birth Outcomes in the Environmental Influences on Child Health Outcomes Cohort. *JAMA Netw Open.* 2025 Jun 2;8(6):e2514084. doi: 10.1001/jamanetworkopen.2025.14084. PMID: 40522663; PMCID: PMC12171937.

INVITED PRESENTATIONS

- National
- Gogcu S, Washburn L, O'Shea M. Early Treated Hypotension and the Risk of Hearing Loss Among Extremely Low Birth Weight Infants. 24th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 30–April 1, 2012, Oral Platform
 - Gogcu S, Washburn L, O'Shea M. Early Treated Hypotension and the Risk of Hearing Loss Among Extremely Low Birth Weight Infants. Pediatric Academic Societies Annual Meeting, Boston, Illinois, April 28-May 1, 2012, Poster Presentation
 - Gogcu S, Aboudi D, Kase J, LaGamma E, Brumberg H. Outborn Very Low Birth Weight Infants Have Higher Rates of Early Intervention Enrollment Than Inborns. 25th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 22– March 24, 2013, Poster Presentation
 - Senguttavan R, Gogcu S, Kase J. MCHAT Screen for Autism in Preterm Infants...Take the Next Step. 25th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 22–March 24, 2013, Poster Presentation
 - Narayana S, Gogcu S, Kase J. Correlation of Growth Trajectory Between Appropriate and Small for Gestational Age Infants to Their Neuro-cognitive Outcomes. 25th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 22– March 24, 2013, Poster Presentation
 - Senguttavan R, Gogcu S, Kase J. Variations in Developmental Milestone Achievements at 2 years in the Infants Born Preterm. Pediatric Academic Societies Annual Meeting, Washington DC, May 4-7, 2013, Poster Presentation
 - Gogcu S, Aboudi D, Kase J, LaGamma E, Brumberg H. Outborn Very Low Birth Weight Infants Have Higher Rates of Early Intervention Enrollment Than Inborns. Pediatric Academic Societies Annual Meeting, Washington DC, May 4-7, 2013, Poster Presentation
 - Senguttavan R, Gogcu S, Kase J. MCHAT Screen for Autism in Preterm Infants...Take the Next Step. Pediatric Academic Societies Annual Meeting, Washington DC, May 4-7, 2013, Poster Presentation
 - Narayana S, Gogcu S, Kase J. Correlation of Growth Trajectory Between Appropriate and Small for Gestational Age Infants to Their Neuro-cognitive Outcomes. Pediatric Academic Societies Annual Meeting, Washington DC, May 4-7, 2013, Poster Presentation
 - Gogcu S, Grayson R, Kase J. Neurocognitive Outcomes of Former NICU Patients Following Assisted Reproduction. 26th Annual Eastern Society of Pediatric

Research Meeting, Philadelphia, Pennsylvania, March 21–March 23, 2014, Poster Presentation

□ Gogcu S, Aboudi D, Kase J, Brumberg H. Birth Hospital Level Correlates with Long Term Neurocognitive Outcomes of Very Low Birth Weight Infants. 27th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 20–March 22, 2015, Poster Presentation

□ Kase J, Gogcu S. Agreement of Developmental Age with Chronological and Adjusted Age of Former Preterm Infants after 2 Years of Age. 27th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 20–March 22, 2015, Oral Presentation

□ Kase J, Gogcu S. Agreement of Developmental Age with Chronological and Adjusted Age of Former Preterm Infants after 2 Years of Age. Pediatric Academic Societies Annual Meeting, San Diego, April 25-28, 2015, Poster Presentation

□ Zylak A, Gogcu S, LaGamma E, Kudrick N. Too Many Abnormal Results. Further Changes May Be Necessary in State's Newborn Screening Program Cut-off Values. 28th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 11– March 13, 2016, Poster Presentation

□ Panda S, Mennela J, Hsu J, Ananth R, Gogcu S. A Clinical and Sonographic Study of Lenticulostriate Vasculopathy in a Regional Perinatal Center. 28th Annual Eastern Society of Pediatric Research Meeting, Philadelphia, Pennsylvania, March 11–March 13, 2016, Poster Presentation

□ Cooper J, Lambeth T, Shetty A, Akinola M, Washburn L, Downey L, Porcelli P, Helderman J, Gogcu S, Lovegreen M, Holman J. Decreasing Vancomycin Initiation for Late Onset Sepsis in the NICU. Vermont Oxford Network Annual Quality Conference, Chicago, October 3-6, 2019, Poster Presentation

□ Lambeth T, Akinola M, Davis L, Downey C, Gogcu S, Hanson S, Helderman J, Holman J, Mappa J, Seidel C, Smith A, Taylor D, Lovegreen M. Decreasing Time to Parent Updates after Delivery. Pediatric Academic Societies Annual Meeting, Philadelphia, June 16, 2020, 5:25 PM, Online Platform Presentation

□ Register H, Singh R, Hooper S, Gogcu S, Perrin E, Wood C, Fry R, O'Shea M. Are infant growth patterns after discharge from the neonatal intensive care unit associated with health and neurodevelopmental outcomes in adolescents born extremely preterm? Pediatric

Academic Societies Virtual Meeting, May 3, 2021, Online Poster Presentation.

- German K, Wood TR, Comstock BA, Law JB, Puia-Dumitrescu M, Perez KM, Valentine GC, Kolnik S, Mayock DE, Gogcu S, Haegerty P, Joseph R, Juul SE. Identification of preterm infants at high-risk for developmental delay at 2 years of age using parent questionnaire. Pediatric Academic Societies Meeting, Denver, April 22, 2022, Poster Presentation.
- Ahmad I, Wenger T, Gogcu S, Welch C, Resnick C, Padula M, Coghill C, Menezes M, Vyas R, Liroy J, Rottgers S, Dinu D, Cielo C. Clinical Presentation and Outcomes for Infants with Micrognathia: a report from the Children's Hospitals Neonatal Consortium Micrognathia Focus Group. Pediatric Academic Societies Meeting, Denver, April 25, 2022, Poster Presentation.
- Vaidya R, Yi J, Jensen E, Joseph R, Gogcu S, Shenberger J, Wagner K, Msall, M, Thompson A, Reniker L, Frazier J, O'Shea M, Singh R. Long Term Outcome of Necrotizing Enterocolitis and Spontaneous Intestinal Perforation at 10 and 15 years. Pediatric Academic Societies Meeting, Denver, April 23, 2022, Poster Presentation
- Call C, Oran A, O'Shea M, Jensen E, Frazier J, Vaidya R, Shenberger J, Gogcu S, Msall M, Kim S, Jalnapurkar I, Fry R, Singh R. Health-related quality of life at age 10 years in children born extremely preterm. Pediatric Academic Societies Meeting, Washington, DC, April 29, 2023, Poster Presentation.
- Sanderson K, Zhabotynsky V, Singh R, South A, Gogcu S, Jensen E, Perrin E, Fry R, O'Shea M, Washburn L. Maternal Pre-Pregnancy Obesity and Offspring Adolescent Blood Pressures after Extremely Low Gestational Age Birth. Pediatric Academic Societies Meeting, Washington, DC, April 29, 2023, Poster Presentation.
- German K, Wood T, Gogcu S, Haegerty P, Mayock D, Comstock B, Puia-Dumitrescu M, Kolnik S, Mietzsch U, Law J, Perez K, Valentine G, Bammler T, Juul S. The effect of transfusions on brain development do not vary by sex. Pediatric Academic Societies Meeting, Washington, DC, April 29, 2023, Poster Presentation.
- Perazzo S, Stoops C, Gogcu S, Harer M, South A, Slagle C, Joseph C, Khattab M, Revenis M, Pallotto E, Rumpel J, Agarwal N. Extrarenal Birth Defects and Surgical Interventions in Neonates with Congenital Anomalies of the Kidney and Urinary tract. Pediatric Academic Societies Meeting, Washington, DC, April 29, 2023, Poster Presentation

- Law J, Wood T, Gogcu S, Puia-Dumitrescu M, German K, Mietzsch U, Kolnik S, Valentine G, Strobel K, Mayock

D, Heagerty P, Juul S. Predicting Severe Intracranial Hemorrhage in Extremely Preterm Infants. Pediatric Academic Societies Meeting, Washington, DC, May 1, 2023, Poster Presentation

□Children’s Hospitals’ Neonatal Consortium Annual Symposium, October 11, 2023, “Genetics in the NICU: Genetic Test Interpretation and Rare Disease Resources”

□Research Incubator in Neonatal Kidney Disease, Neonatal Kidney Collaborative, November 10, 2023 “Neonatal Hypertension”

□“Two-year Neurodevelopmental Outcomes Among Infants with Recurrent Neonatal Acute Kidney Injury: A Report from the ALMOND study”. Katherine Vincent, DNP, Matthew Gillen MD, Russell Griffin PhD, Austin Rutledge, DO, Tara Beck, DO, Aadil Kakajiwala, MD, Semsu Gogcu, MD, MPH, Thomas Forbes, MBBS, PhD, Michelle Starr, MD, MPH, Judit Kiss, MD, Shina Menon, MD, David Selewski, MD, MSCR, Heidi Steflink, MD, MSCR. Southern Society for Pediatric Research, Feb 14, 2025, Oral Presentation

□“Incidence, Predictors, and Outcomes Associated with Recurrent Neonatal Acute Kidney Injury in Preterm Infants: A Report from the ALMOND study”. Katherine Vincent, DNP, Matthew Gillen MD, Russell Griffin PhD, Austin Rutledge, DO, Tara Beck, DO, Aadil Kakajiwala, MD, Semsu Gogcu, MD, MPH, Thomas Forbes, MBBS, PhD, Michelle Starr, MD, MPH, Judit Kiss, MD, Shina Menon, MD, David Selewski, MD, MSCR, Heidi Steflink, MD, MSCR. Southern Society for Pediatric Research, Feb 14, 2025, Oral Presentation

□Children’s Hospitals’ Neonatal Consortium Annual Symposium, scheduled October 28, 2024, “Renal Replacement Therapy in Neonates”

- International
- Kiral A, Kaya A, Gogcu S, Yavrucu S. The Evaluation of Tuberculin Skin Test Results in Asthmatic Children. Presented at the 1st National Congress of Respiratory Diseases in Children, Istanbul, Turkey, April 14-17, 1999.
 - Erol Nurdan, Gogcu Semsu, Yavrucu Serpil. A Case Report: Kala-azar. Presented at 1st National Pediatric Infection Congress, Bursa, Turkey, December 2-5, 1999.
 - Kiral A, Gogcu S, Yavrucu S. The Role of Exposure to Secondhand Smoking in the Etiology of Asthma. Presented at 36th Turkish Pediatrics Congress, Istanbul, Turkey, May 29-June 2, 2000.
 - Kiral A, Celik C, Yavrucu S, Gogcu S. Serum Osteocalcin Values of Renal Osteodystrophic Children Who Have Chronic Renal Failure. Presented at 36th Turkish Pediatrics Congress, Istanbul, Turkey, May 29-

June 2, 2000.

- Kiral A, Berksoy M, Gogcu S, Karatoprak N. The Behavior Evaluation of Asthmatic Children. Presented at 44th Turkish National Pediatrics Congress, Bursa, Istanbul, September 4-8, 2000.
- Erol N, Gogcu S, Ozguner A. A Case Report: Orofaciodigital Syndrome. Presented at 37th Turkish Pediatrics Congress, Izmir, Turkey, May 14-18, 2001.
- Yavrucu S, Gogcu S, Aka S. A Case Report: Inspissated Bile Syndrome. Presented at 37th Turkish Pediatrics Congress, Izmir, Turkey, May 14-18, 2001.
- Yucel A, Gogcu S, Ceran O. Serum Nitrite and Nitrate Levels in Children Using Anticonvulsant Drugs. Presented at 24th Turkish Pediatrics Days and 4th Pediatrics Nurses Days, Istanbul, Turkey, April 15-18, 2002.
- Gogcu S, Karadag A, Hatipoglu S. A Case Report: Graves' Disease. Presented at 25th Turkish Pediatrics Days, Istanbul, Turkey. April 16-18, 2003
- Gogcu S, Karadag A, Kerimoglu G. Congenital Ichthyosis: A Case Report. Presented at 25th Turkish Pediatrics Days, Istanbul, Turkey. April 16-18, 2003
- Gogcu S, Sahin M, Hatipoglu S. A Case Report: Jeune Syndrome. Presented at 25th Turkish Pediatrics Days, Istanbul, Turkey. April 16-18, 2003
- Gogcu S, Sehla I, Hatipoglu S. A Case Report: Acute Disseminated Encephalopathy due to EBV Infection. 39th Turkish Pediatrics Congress, Cappadocia, Turkey, June 17-22, 2003
- Kerimoglu G, Yavas B, Gogcu S, Hatipoglu S. An Abnormally Located Thymus: A Case Report. Presented at 47th National Pediatric Congress, Istanbul, Turkey, October 21-23, 2003.
- Kerimoglu G, Bilazer C, Gogcu S, Hatipoglu S. A Case Report: Hypoparathyroidism in a Neonate. Presented at 47th National Pediatric Congress, Istanbul, Turkey, October 21-23, 2003.
- Kerimoglu G, Sehla I, Gogcu S, Hatipoglu S. Hemolytic Crisis due to EBV Infection in a Hereditary Spherocytosis Patient. Presented at 47th National Pediatric Congress, Istanbul, Turkey, October 21-23, 2003.
- Gogcu S, Kerimoglu G, Bilazer C. Intraperitoneal Hematoma in a Patient with Henoch Schonlein Disease. Presented at 47th National Pediatric Congress, Istanbul, Turkey, October 21-23, 2003.
- Gogcu S, Hasbal C, Sahin M. Spontaneous Remission of Minimal Change Disease with Concurrent EBV Infection. Presented at 47th National Pediatric Congress, Istanbul, Turkey, October 21-23, 2003.

- Gogcu S, Kerimoglu G, Yolar L. The Outcomes of ELBW Infants Admitted to Bakirkoy Research and Training Hospital NICU Between 2001 and 2004. Presented at 11th Congress of SSK Bakirkoy Pediatrics, Istanbul, Turkey, March 23-25, 2004.
- Gogcu S, Toklucu O, Hatipoglu S. Severe Anaphylactic Reaction due to a Hydatid Cyst Rupture Caused by Abdominal Trauma. 40th Turkish Pediatrics Congress, Istanbul, Turkey, June 21-25, 2004
- Gogcu S, Washburn L, O'Shea Early Treated Hypotension and the Risk of Hearing Loss Among Extremely Low Birth Weight Infants. 3rd International Congress of Union of European Neonatal and Perinatal Societies, Porto, Portugal, November 14-17, 2012, Poster Presentation
- Gogcu S, Aboudi D, Kase J, Brumberg H. Lower Level of Care at Birth Hospital Worsens Long Term Outcomes of Very Low Birth Weight Infants. Pediatric Academic Societies Annual Meeting, Vancouver, Canada, May 3-6, 2014, Poster Presentation
- Lambeth, T, Gogcu, S, Hanson, S, Sisk P, Feist S, Conley L. Increasing Kangaroo Care for Infants in the NICU. Pediatric Academic Societies Annual Meeting, Toronto, May 5-8, 2018, Poster Presentation
- Janessa B. Law MD, Tommy R. Wood PhD, Mihai Puia-Dumitrescu MD, Kendell German, MD, Katie Strobel, MD, Sarah Kolnik, MD, Greg Valentine, MD, Bryan Comstock MS, Patrick Heagerty PhD, Dennis Mayock, MD, Sandra Juul MD, PhD, Sems Gogcu MD, MPH. Neurodevelopmental and Neurobehavioral Outcomes at 2 Years of Age in Extremely Preterm Infants with Bronchopulmonary Dysplasia. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Oral Presentation.
- Catherine Call BA, Ali Oran PhD, T. Michael O'Shea MD MPH, Elizabeth T. Jensen MPH PhD, Jean A. Frazier MD, Ruben Vaidya MD, Jeffrey Shenberger MD, Sems Gogcu MD, MPH, Michael E. Msall MD, Sohye Kim PhD, Isha Jalnapurkar MD, Rebecca C. Fry PhD, Rachana Singh MD MS. Social Determinants of Health Rather Than Race Impact Health-Related Quality of Life in 10-Year-Old Children Born Extremely Preterm. Pediatric Academic Societies Meeting, Toronto, Canada, May 4, 2024, Poster Presentation.
- “Racial Disparities in In-Hospital Mortality and Acute Kidney Injury in Infants Admitted to the Neonatal Intensive Care Unit” Jennifer Rumpel, MD, Sofia Perazzo, MD, Andrew M. South, MD, MS, Matthew W. Harer, MD, Mona Khattab, MD, MS, Michelle C. Starr, MD MPH, Tahagod Mohamed, MD, Rachel Han, MD, Cara Slagle, MD,

Elizabeth Bonachea, MD, Catherine Joseph, MD , Sems Gogcu, MD, MPH, Daniel Liu, MD, Jonathan Bona, PhD, MS, Mario Schootman, PhD, Corey Nagel, PhD, MPH, RN. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Poster Presentation.

●“Late transfusions in the neonatal intensive care unit may be detrimental to neurodevelopmental outcomes.” Kendell German, MD, Thomas Wood, MD, PhD, Dennis E. Mayock, MD, Patrick Heagerty, PhD, Bryan A. Comstock, MS, Sara K. Neches, MD, Sarah E. Kolnik, MD MBA, Janessa Law, MD, Ulrike Mietzsch, MD, Mihai Puia-Dumitrescu, MD MPH, Katie M. Strobel, MD, MSCR, Gregory C. Valentine, MD, MED, Sandra E. Juul, MD, PhD, Sems Gogcu, MD, MPH. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Oral Presentation.

●“Effectiveness of Universal, First-tier Genome Sequencing for Critically Ill Infants on Extracorporeal Membrane Oxygenation” Nicholas R. Carr, DO, Makenzie Fulmer, PhD, Jennifer Rumpel, MD, Abhishek Makkar, MD, Burhan Mahmood, MD, Sarah Keene, MD, Natalie Rintoul, MD, Taylor Wild, MD, Amir Ashrafi, MD, Sems Gogcu, MD, MPH, Carrie Rau, BSN, David Pattison, BS, Hunter Best, PhD, Steven Boyden, PhD, Rong Mao, MD, Luca Brunelli, MD, PhD. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Poster Presentation.

●“Optimal timing of enteral iron supplements in extremely preterm infants” Kendell German, MD, Thomas Wood, MD, PhD, Dennis E. Mayock, MD, Bryan A. Comstock, MS, Patrick Heagerty, PhD, Janessa Law, MD, Sarah E. Kolnik, MD MBA, Mihai Puia-Dumitrescu, MD MPH, Krystle M. Perez, MD, MPH, Gregory C. Valentine, MD, MED, Katie M. Strobel, MD, MSCR, Sandra E. Juul, MD, PhD, Sems Gogcu, MD, MPH. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Oral Presentation.

●“Occipitofrontal Circumference Growth and Neurodevelopmental Outcomes in Extremely Premature Infants” Katie M. Strobel, MD, David Horner, MD/MSc, David Taylor Hendrixson, MD, Gregory C. Valentine, MD, MED, Sems Gogcu, MD, MPH, Sarah E. Kolnik, MD MBA, Janessa Law, MD, Mihai Puia-Dumitrescu, MD MPH, Dennis E. Mayock, MD, Sandra E. Juul, MD, PhD, Thomas Wood, MD, PhD. Pediatric Academic Societies Meeting, Toronto, Canada, May 3, 2024, Oral Presentation.

GRANTS

- 1.UH30D023348 (Semsa Gogcu, MD, MPH, Site-PI, 0% Effort) 09/21/2019 – 08/31/2026 NIH, *Environment, Epigenetics, Neurodevelopment & Health of Extremely Preterm Children (ELGAN 3-ECHO)*
2. NCT03061890 (Semsa Gogcu, MD, MPH, Site-PI, 20% Effort) 09/21/2019 – 08/31/2026 NIH, *Developmental Impacts of NICU Exposures (ECHO-DINE)*
- 3.1R01HD072267-01A1 (Semsa Gogcu, MD, MPH, Co-PI, No Effort) 9/21/2016-8/31/2023 NICHD, *The Neonatal Neurobehavior and Outcomes in Very Preterm Infants (NOVI-ECHO) Study*
- 4.NINDS 1U01NS077953-01(Semsa Gogcu, MD, MPH, Co-PI, 1% effort) 12/2013-2/2020 *Preterm Erythropoietin Neuroprotection Trial (PENUT)*
- 5.UL1 TR000423 (Semsa Gogcu, MD, MPH, Site PI, No effort) 8/2015-10/2016 *Informed Consent for Participation in a Neonatal Clinical Trial: Parent Perspectives and Preferences*
- 6.CTSI Ignition Fund Pilot Award (Semsa Gogcu, MD, MPH, PI, \$5000) 7/2019-11/2019 *“Renal Outcomes after Extremely Premature Birth: A Pilot Study”*

UNIVERSITY TEACHING, ADVISING and MENTORING ROLES

Wake Forest School of Medicine, Medical School
Lecturer, MS3, Urogenital System Embryology (1.0 hours/year) 2017-2024

Wake Forest School of Medicine, Medical School
Facilitator, Simulation Lab, MS2 and 3, Combined Labor & Delivery/Neonatal Resuscitation Simulation, (4-8 hours) 2018-2024

Journal Club Mentoring

Clinical characteristics and response to prophylactic fluconazole of preterm VLBW neonates with baseline and acquired fungal colonization in NICU: data from a multicenter RCT, Early Hum Dev. 2012 May;88 Suppl 2: S60-4. Dr. Irina Kaminyar, Presented 8/8/2011.
Treatment of Sepsis with IVIG, N Engl J Med 2011;365:1201-11, Dr. Umesh Paudel, Presented 10/11/2012.
Randomized Trial of Prongs or Mask for Nasal CPAP in Preterm Infants: Pediatrics 2012 130; e1170. Dr. Anita Mohan, Presented 11/28/2012.
Oral Acyclovir Suppression and Neurodevelopment after Neonatal Herpes: N Engl J Med 2011 365(14): 1284-92. Dr. Brian DeBenedictis, Presented 2/21/2013.
Use of Neonatal Chest Ultrasound to Predict Noninvasive

Ventilation Failure: Pediatrics, 134(4), e1089-e1094. Dr. Abigail Maxwell, Presented 1/8/2015.

Antenatal MgSO₄ and Spontaneous Intestinal Perforations in infants less than 25 weeks GA: Journal of Perinatology (2014) 34, 819–822. Dr. Brian DeBenedictis, Presented 1/15/2015.

Implementation of a Neonatal Abstinence Syndrome Weaning Protocol: A Multicenter Cohort Study: Pediatrics, 2015 Oct, 136(4): e 803-810. Dr. Abigail Maxwell, Presented 11/5/2015. Intratracheal Administration of Budesonide/Surfactant to Prevent Bronchopulmonary Dysplasia. Am J Respir Crit Care Med. 2016 Jan 1;193(1):86-95. Dr. Jennifer Hsu, Presented 1/13/2016.

Hearing loss by week of gestation and birth weight in very preterm neonates: J Pediatr 2015 Apr; 166(4):840-843. Dr. Meenakshi Singh, Presented 2/24/2016.

Clinical trial of tin mesoporphyrin to prevent neonatal hyperbilirubinemia: J Perinatology (2016), 36; 533-539. Dr. Alok Ezhuthachan, Presented 11/16/2016.

Continuous Glucose Monitoring in Very Preterm Infants: A Randomized Controlled Trial. Pediatrics. 2017 Oct;140(4): e20171162. Dr. Cassandra Johnson, Presented 1/18/2017.

PDA-TOLERATE Trial: An Exploratory Randomized Controlled Trial of Treatment of Moderate-to-Large Patent Ductus Arteriosus at 1 Week of Age. J Pediatr. 2019 Feb; 205:41- 48.e6. Dr. Joseph Torres, Presented 12/19/2019.

Timing of postnatal steroids for bronchopulmonary dysplasia: association with pulmonary and neurodevelopmental outcomes. Journal of Perinatology (2020) 40:616–627. Dr. Sagar R Bhandary, Presented 6/16/2020.

Parental Perception of Decision-Making in Neonatal Care, Dr. Irina Kaminyar, Presented 11/14/2011.

Ethical Challenges in Treating Friends and Family, Dr. Abigail Maxwell, Presented 2/25/2015.

Fetal Surgery, Dr. Cosmina Mandru, Presented 3/5/2015.

Social media and organ donation, Dr. Jennifer Hsu, Presented 12/23/2015.

Fetal Tissue Research, Dr. Cosmina Mandru, Presented 4/4/2016

Bioethics Mentoring

HOSPITAL TEACHING, ADVISING and MENTORING ROLES

Jenna Mennela, MD and Ranjani Annath, MD, A Clinical and Sonographic Study of Lenticulostriate Vasculopathy in a Regional Perinatal Center, Research Advisor, 2011 – 2012

Usama Younis, MD, FAAP, Neonatal-Perinatal Fellowship Program Scholarly Project Mentor Current Position: Attending Neonatologist at UnityPoint Health, Los Angeles, CA, 2012 - 2015

Anna Zylak, MD, FAAP, Neonatal-Perinatal Fellowship Program Scholarly Project Mentor, Current Position: Attending Neonatologist at the Brooklyn Hospital Center, Brooklyn, NY 2015 - 2016

Courtney Briggs-Steinberg, DO, FAAP, Neonatal-Perinatal Fellowship Program Scholarly Project Mentor, Current Position: Staten Island University Hospital, Northwell Health, Staten Island, NY, 2015 – 2016

Sanjeet Panda, MD and Jennifer Hsu, MD, Neonatal-Perinatal Fellowship Program, A Clinical and Sonographic Study of Lenticulostriate Vasculopathy in a Regional Perinatal Center

Research Mentor, 2015 - 2016

Anna Zylak, MD, Neonatal-Perinatal Fellowship Program Too Many Abnormal Results. Further Changes May Be Necessary in State's Newborn Screening Program Cut-off Values, An unusual Gastroschisis Complication, A Case Report Research Mentor, 2016

Andrew F. Schiff, MD, Neonatal-Perinatal Fellowship Program 'Difficult Conversations in the NICU' Curriculum Development Mentor, 2020

Cristian Esteban Ouizhpi, MD, Neonatal-Perinatal Fellowship Program, Renal Outcomes after Extremely Premature Birth: A Pilot Study Research Mentor, 2021

Stephanie Mayo, Neonatal-Perinatal Medicine Fellowship Program, The relationship between Prematurity and Vascular Stiffness, Research Mentor, 2022