



Deepika Sankaran, M.D., F.A.A.P.

Philosophy of Care

My philosophy of care is to provide every newborn infant with the best possible care that is evidence-based, which would enable her/him to have a head-start in this world. My approach is to involve the parents of the newborn during daily rounds in the neonatal intensive care unit and empower them to play an active role in the decision making with respect to the overall management of the neonate.

Clinical Interests

Dr. Sankaran is a neonatologist who cares for the most vulnerable extremely premature babies and critically ill term newborns. She has special interest in the field of neonatal resuscitation in which she is currently involved in research. Assuming the role of a team leader, she streamlines the delivery room management of preterm and term newborn infants. She enjoys her role as a teacher/facilitator of education for neonatal health care providers in the delivery room, during bedside rounds and conferences.

Research/Academic Interests

Dr. Sankaran's laboratory research focuses on neonatal resuscitation including chest compressions, epinephrine and use of oxygen during and after resuscitation in an ovine model. Her goal is to improve outcomes in all newborn infants, and especially the preterm and term infants who require resuscitation at birth. Her clinical research interests include evaluation of cardiovascular effects of prenatal methamphetamine exposure in the newborns. Additionally, she is attempting to estimate the prevalence of perinatal syphilis in the community with an emphasis on evaluation of short-term neonatal outcomes and prevention of congenital syphilis.

Title Assistant Professor

Specialty Neonatology

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Division Neonatology

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Deepika Sankaran, M.D., F.A.A.P.

- Languages** Hindi, Tamil
- Education** M.B.B.S., Madras Medical College, India 2009
Diploma in Child Health (DCH), Madras Medical College/Institute of Child Health & Hospital for Children, India 2013
- Internships** Madras Medical College, Chennai/Tamil Nadu, India 2009-2010
- Residency** Pediatrics, Flushing Hospital Medical Center, Queens NY 2013-2016
Pediatrics, Institute of Child Health and Hospital for Madras Medical College, Chennai/Tamil Nadu, India 2011-2013
- Fellowships** Neonatology, University of Buffalo/John R. Oishei Children's Hospital, Buffalo NY 2016-2019
- Board Certifications** American Board of Pediatrics, General Pediatrics
American Board of Pediatrics, Neonatal-Perinatal Medicine
California Medical License
Educational Commission For Foreign Medical Graduates (ECFMG)
Neonatal Resuscitation Program
- Professional Memberships** American Academy of Pediatrics
- Honors and Awards** Junior Faculty Diversity in the Workforce Travel Award, 2021
American Academy of Pediatrics - Neonatal Resuscitation Program Research Grant, 2021
Editors Focus Highlight in September print issue of Pediatric Research, 2021
Canadian Pediatric Society- Neonatal Resuscitation Program Research Grant, 2021
Young Investigator Award, 2020
Junior Faculty Travel Award, 2020
Young Investigator Award from Eastern Society of Pediatric Research, 2019
Winner of Fellows Case Competition in Eastern Society of Pediatric Research, 2019
Eastern Society of Pediatric Research Travel Grant Award, 2018, 2019
Pediatric Academic Societies Travel Award for Young Investigator, 2018, 2019
- Select Recent Publications** Sankaran D, Lakshminrusimha S, Saugstad OD. Physiology of Neonatal Resuscitation: Giant Strides with Small Breaths. Seminars in Perinatology. (accepted 11/2021, in PRESS).

Sankaran D, Lakshminrusimha S, Manja V. Methamphetamine: burden, mechanism and impact on pregnancy, the fetus, and newborn. J Perinatol. 2021 Nov 16. doi:10.1038/s41372-021-01271-8.



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Sankaran D, Vali P, Chandrasekharan P, Chen P, Gugino SF, Koenigsnecht C, Helman J, Nair J, Mathew B, Rawat M, Nielsen L, Lesneski AL, Hardie ME, Alhassen Z, Joudi HM, Giusto EM, Zeinali L, Knych HK, Weiner GM, Lakshminrusimha S. Effect of a Larger Flush Volume on Bioavailability and Efficacy of Umbilical Venous Epinephrine during Neonatal Resuscitation in Ovine Asphyxial Arrest. *Children (Basel)*. 2021 Jun 1;8(6):464. doi:10.3390/children8060464. PMID:34205843.

Sankaran D, Nakra N, Cheema R, Blumberg D, Lakshminrusimha S. Perinatal SARS-CoV-2 Infection and Neonatal COVID-19: A 2021 Update. *Neoreviews*. 2021 May;22(5):e284-e295. doi: 10.1542/neo.22-5-e1001. PMID:33931474.

Nair J, Davidson L, Gugino S, Koenigsnecht C, Helman J, Nielsen L, Sankaran D, Agrawal V, Chandrasekharan P, Rawat M, Berkelhamer SK, Lakshminrusimha S. Sustained Inflation Reduces



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Pulmonary Blood Flow during Resuscitation with an Intact Cord. *Children (Basel)*. 2021 Apr 29;8(5):353. doi:10.3390/children8050353. PMID:33946658.

Vali P, Weiner GM, Sankaran D, Lakshminrusimha S. What is the optimal initial dose of epinephrine during neonatal resuscitation in the delivery room? *J Perinatol*. 2021 Mar 12. doi:10.1038/s41372-021-01032-7. Epub ahead of print. PMID:33712718.

Sankaran D, Chandrasekharan PK, Gugino SF, Koenigskecht C, Helman J, Nair J, Mathew B, Rawat M, Vali P, Nielsen L, Tancredi DJ, Lakshminrusimha S. Randomised trial of epinephrine dose and flush volume in term newborn lambs. *Arch Dis Child Fetal Neonatal Ed*. 2021 Mar 9: fetalneonatal-2020-321034. doi:10.1136/archdischild-2020-321034. Epub ahead of print. PMID:33687959.

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