

Curriculum vitae

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Place of Birth: India

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1998 - 2003	Bachelor's	Medicine	Dr. D.Y. Patil Medical College Maharashtra University of Health Sciences Mumbai, India

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2010 – 2013	Fellow	Neonatal – Perinatal Medicine	Brown University Warren Alpert Medical School Providence, RI
2007 – 2010	Resident	Pediatrics	State University of New York at Buffalo, Buffalo, NY

Current Licensure and Certification

Licensure

2015 - Texas

2013 - New York

2010 - Rhode Island

Board and Other Certification

2014 - Board Certified in Neonatology

2012 - Board Certified in Pediatrics

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2018	Mentor award	Frisco ISD -Texas
2013	Travel Award	Society for Pediatric Research
2013	Travel Award	Eastern Society for Perinatal Medicine
2011	Travel Award	Eastern Society for Perinatal Medicine
2009	Travel Award	Eastern Society for Perinatal Medicine

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2015 – Present	Assistant Professor	Pediatrics	UT Southwestern Medical Center Dallas, TX
2013 – 2015	Assistant Professor	Pediatrics	New York Medical College, New York, NY

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
2013 – 2015	Staff Neonatologist	Pediatrics / Neonatal – Perinatal Medicine	Metropolitan Hospital Center New York, NY
2010 – 2013	Neonatal Fellow	Women and Infants	Hospital of Rhode Island Providence, RI
2007 – 2010	Pediatric Resident	Women and Children’s	Hospital of Buffalo Buffalo, NY
2007 – 2007	Observership in General Pediatrics	Allergy and Immunology	Penn State Milton S. Hershey Medical Center Hershey, PA
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2015 - Present	Neonatologist	Pediatrics / Neonatal – Perinatal Medicine	Parkland Health and Hospital System Dallas, TX
2015 - Present	Neonatologist	Pediatrics / Neonatal – Perinatal Medicine	Children’s Health Dallas, TX
2015-present	Neonatologist	Pediatrics/ Neonatal -Perinatal Medicine	Clements University Hospital, Dallas, TX
2015-present	Neonatologist	Pediatrics/ Neonatal -Perinatal Medicine	Texas Health Resources- Dallas, TX

Committee Service

Year(s)	Name of Committee	Institution/Organization
<u>Hospital</u>		
2015 – 2017	Neonatal Transport Committee	Children’s Medical Center, Dallas
2015 – present	Neonatal Nutrition Committee	Parkland Memorial Hospital, Dallas
2015 – present	Intestinal Rehabilitation Committee	Children’s Medical Center, Dallas
2011 – 2013	Transport Committee	Women and Infants Hospital, Rhode Island
2010 – 2013	Newborn Screening Committee	Women and Infants Hospital, Rhode Island
2010 – 2013	Sepsis Task Force	Women and Infants Hospital, Rhode Island
2010 – 2012	Family Centered Care Committee	Women and Infants Hospital, Rhode Island

Professional Societies

Dates	Society Name, member
2015- present	Texas Medical Society
2007 - Present	American Academy of Pediatrics
2003 - Present	Indian Academy of Pediatrics

Grant Support

<u>Past</u>	Grantor: Oh-Zopfi Pilot Project Grant
2013	Title of Project: Role of TRPV4 calcium channels in mechanical injury of fetal lung cells
	Role (Principal Investigator, Co-Investigator): Co - Investigator
	Total amount of award (if multi-year) and dates (direct costs only): \$20,000

Invited Lectures

Year(s)	Title	Location
<u>National</u>		
2013	Role of TRPV4 in fetal mouse lungs and lung injury.	Society for Perinatal Research
<u>Regional/Local</u>		
2011	Antenatal betamethasone improves pulmonary transition in late preterm lambs delivered by elective c---section.	Eastern Society for Perinatal Research Annual Meeting
2009	Methemoglobin Levels and Response to Inhaled Nitric Oxide (NO) in Persistent Pulmonary Hypertension of the Newborn (PPHN).	Eastern Society for Perinatal Medicine Annual Meeting

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Comparison of Smoflipid and Intralipid in the early management of infants with intestinal failure. Cameron C, Nayak SP , Nyugen V, Channabassappa N, Piper H. IN REVIEW . A.
2.	Does the Initial Surgery for Necrotizing Enterocolitis Matter? Comparative Outcomes for Laparotomy vs. Peritoneal Drain as Initial Surgery for Necrotizing Enterocolitis in Infants <1000 gm Birth Weight. Sullivan K, Piazza A, Beverly S Brozanski BS, Zanilatti I, Sharma J, DiGeronimo R, Nayak SP , Rajan Wadhawan, Reber K, Murthy K.. Ped surg Dec 2018
3.	Mechanotransduction via TRPV4 regulates inflammation and differentiation in fetal mouse distal lung epithelial cells. Nayak PS , Wang Y, Najrana T, Priolo LM, Rios M, Shaw SK, Sanchez-Esteban J. <i>Respir Res</i> . May 2015
4.	Strain---induced differentiation of fetal type II epithelial cells is mediated via the integrin $\alpha 6\beta 1$ ---ADAM17/tumor necrosis factor--- α ---converting enzyme (TACE) signaling pathway Wang Y1, Huang Z, Nayak PS , Matthews BD, Warburton D, Shi W, Sanchez---Esteban J. <i>J Biol Chem</i> . Aug 2013.
5.	Stretch---induced Fetal Type II Cell Differentiation Is Mediated via ErbB1---ErbB4 Interactions. Huang Z, Wang Y, Nayak PS , Dammann CE, Sanchez---Esteban J. <i>J Biol Chem</i> . 2012 May 25;287(22):18091---102. Epub 2012 Apr 9.
6.	An Experimental System to Study Mechanotransduction in Fetal Lung Cells. Wang Y, Huang Z, Nayak, SP, Sanchez---Esteban J. Wang Y, Huang Z, Nayak PS , Sanchez---Esteban J. <i>J Vis Exp</i> . 2012;(60): 3543.
7.	Methemoglobin to cumulative nitric oxide ratio and response to inhaled nitric oxide in PPHN. Pabalan MJ, Nayak SP , Ryan RM, Kumar VH, Lakshminrusimha S. <i>J Perinatol</i> . 2009 Oct;29(10):698---701. Epub 2009 Jun 25.

Non-peer reviewed scientific or medical publications/materials in print or other media

1.	Cameron C, Nayak SP , Nyugen V, Channabassappa N, Piper H. A comparison of Smoflipid and Intralipid in the early management of infants with intestinal failure. Platform presentation at the Pediatric Intestinal failure and rehabilitation Society.(PIFRS 2018 and Platform presentation at American Pediatric Surgical Association (ASPA) 2019.
2.	Longer time to full enteral feeds following longer courses of antibiotics for medical necrotizing enterocolitis. Yanowitz, Toby D. ; Ahmad, Irfan ; Brozanski, Beverly S. ; Sullivan, Kevin M. ; Zaniletti, Isabella ; Nayak, Pritha ; Reber, Kristina M. ; Funches, Levi ; Sharma, Jotishna ;DiGeronimo, Robert ; Piazza, Anthony. PAS 2019

3.	Antibiotic Duration and Predictors of Time to Full Enteral Feedings after Surgical NEC. Yanowitz, Toby D. ; Ahmad,Irfan ; Brozanski, Beverly S. ; Sullivan, Kevin M. ; Zaniletti, Isabella ; Nayak Pritha ; Reber, Kristina M. ; Funches, Levi ; Sharma, Jotishna ; DiGeronimo, Robert ; Piazza, Anthony. PAS 2019
4.	Role of TRPV4 in fetal mouse lungs and lung injury. Nayak SP, Sanchez---Esteban J, Wang Y. Platform presentation at the Society for Perinatal Research, Eastern Society for Perinatal Research and New England Perinatal Society, 2013.
5.	Antenatal betamethasone improves pulmonary transition in late preterm lambs delivered by elective c---section. Nayak SP, Swartz D, Mathew B, Gugino S, Wynn K, Steinhorn RH, Lakshimrusimha S. Platform presentation at ESPR and poster PAS 2011
6.	Methemoglobin Levels and Response to Inhaled Nitric Oxide (NO) in Persistent Pulmonary Hypertension of the Newborn (PPHN). Nayak SP, Pabalan MJ, Ryan RM, Lakshminrusimha S. Presented at the Eastern Society for Perinatal Medicine Annual Meeting, 2009 and Society for Perinatal Research Annual Meeting, 2009. Am J Respir Crit Care Med 2009;179: A5968. Presented at the American Thoracic Society, 2009.