

## **CURRICULUM VITAE**

### **Vijender R. Karody MD**

**Associate Professor  
Department of Pediatrics  
Division of Neonatology**

#### **HOME ADDRESS:**

19385 Ashbourne Ine  
Brookfield, WI 53045  
Phone: 4143377164

#### **OFFICE ADDRESS:**

Children's Corporate Center  
999 N 92 St  
Milwaukee, WI 53226

#### **EDUCATION:**

1990 - 1996 M.B.B.S., NTR University of Health Sciences, Andhra Pradesh, India  
1998 - 2001 M.D., NTR University of Health Sciences, Andhra Pradesh, India  
12/2001 - 06/2005 Senior House Officer, Royal College of Pediatrics, United Kingdom

#### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

2001 - 2004 Resident, Pediatrics, Royal College of Physicians and Child Health Affiliated Hospitals, United Kingdom  
2005 - 2008 Resident, Pediatrics, Case Western Reserve University at Metro Health Medical Center, Cleveland, OH  
2008 - 2011 Fellow, Pediatrics, Neonatology, Children's Wisconsin, Milwaukee, WI

#### **FACULTY APPOINTMENTS:**

2011 - Present Assistant Professor, Pediatrics, Neonatology, Medical College of Wisconsin, Milwaukee, WI  
2012 - Present Co-Director of CME activity, Pediatrics, Neonatology, Medical College of Wisconsin, Milwaukee, WI  
2016 - Present Associate Program Director, Neonatology-Perinatology Fellowship Program, Neonatology, Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI

#### **HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

07/2010 - 06/2011 Chief Fellow, Division of Neonatology, Medical College of Wisconsin, Milwaukee, WI

#### **HOSPITAL STAFF PRIVILEGES:**

07/2011 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave, Milwaukee, WI 53226  
07/2011 - Present Oconomowoc Memorial Hospital, 791 Summit Ave, Oconomowoc, WI 53066  
07/2011 - Present Aurora Medical Center in Summit, 36500 Aurora Drive, Town of Summit, WI 53066  
07/2011 - Present Waukesha Memorial Hospital, 725 American Ave, Waukesha, WI 53188  
07/2011 - Present Community Memorial Hospital, W180 N8085 Town Hall Road, Menomonee Falls, WI 53051  
07/2011 - Present Aurora Medical Center in Grafton, 975 Port Washington Rd, Grafton, WI 53024  
07/2011 - Present Children's Wisconsin, 9000 W. Wisconsin Ave, Milwaukee, WI 53226  
08/2012 - Present Froedtert St. Joseph's Health Center, 3200 Pleasant Valley Road, West Bend, WI 53095

## **SPECIALTY BOARDS AND CERTIFICATION:**

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Pediatrics	10/2009	10/2016
Neonatal-Perinatal Medicine	03/2012	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
NRP Instructor	AAP	01/2013	06/2021

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	51659-20	05/2008	10/2015

## **AWARDS AND HONORS:**

2011 - 2013 Golden Mallet Award

## **MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

2005 - Present American Academy of Pediatrics

2007 - Present Designed the 'Karody Special Education Calculator'. This low-cost calculator helps low-income families who have children with special education to optimize community resources. To date 100's of these

2008 - Present American Medical Association

## **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

### **Local**

Karody Vijender Rao, Surfactant properties, maturation and function, CME/physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 02/2009

Karody Vijender Rao, Myocardial development/maturation during fetal and neonatal period, CME/Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 03/2009

Karody Vijender Rao, Vitamin requirement in the fetus and newborn, CME/ Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 06/2009

Karody Vijender Rao, Development and maturation of glomerular and tubular function, CME/Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 10/2009

Karody Vijender Rao, Physiology of Hypoxia-Ischemia in newborn, CME/Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 02/2010

Karody Vijender Rao, Hemoglobin biochemical Characteristics, CME/Core Physiology lecture, Milwaukee, WI, 05/2010

Karody Vijender Rao, Disorders of Sexual Differentiation, CME/Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 08/2010

Karody Vijender Rao, Airway Development, Structure and Genetics, CME/Core physiology lecture at Children's Hospital of Wisconsin, Milwaukee, WI, 12/2010

Karody Vijender Rao, Drug disposition and Pharmacokinetic Principles, Invited CME/Physiology Lecture, Milwaukee, WI, 02/2011

Karody Vijender Rao, Target O2 saturation in for premature infants, Children's Hospital of Wisconsin. Clinical practice guideline core group CME, Milwaukee, WI, 05/2012

Karody Vijender Rao, Intrauterine Growth Restriction, Back to Basics Neonatal Perinatal Medicine Fellowship Training Lecture Series, Milwaukee, WI, 10/2013

### **Regional**

Karody V, A TIRAP (Toll/IL-1 receptor domain containing adaptor) variant (g.2054C>T) confers protection against premature birth, Pediatric Academic Society Platform Presentation, Boston, MA, 2012

### **National**

Karody Vijender Rao, CLABSI related QI data during a collaborative QI webinar involving 17 Children's Hospitals across the US, 12/16/2011

Karody Vijender Rao, CLABSI related QI data during a collaborative QI webinar involving 17 Children's Hospitals across the US, 06/19/2012

**COMMITTEE SERVICE:**

**Medical College of Wisconsin**

01/2013 - 12/2013 Education Committee on Fellowships, Pediatrics, Medical College of Wisconsin

**Hospital**

07/2011 - Present Fellowship Recruitment Committee, Medical College of Wisconsin

07/2011 - Present Clinical Practice Committee, Children's Wisconsin

07/2012 - Present New NICU Redesign Committee, Children's Wisconsin

07/2013 - Present Resident Recruitment Committee, Medical College of Wisconsin

**MEDICAL COLLEGE TEACHING ACTIVITIES:**

**Resident and Fellow Education**

04/2010 Instructor, Neonatal Resuscitation Program resident re-certification, 4 Hours

09/2011 Mentor, Fellow Physiology Conference (A Mehrotra), Hemoglobin Physiology, 2 Hours

12/2011 Mentor, Fellow Physiology Conference (Karthikeya Makker), Renin Angiotensin System, 2 Hours

2011 Clinical teaching responsibilities with residents and fellows

2012 Mentor, Fellow Physiology Conference (Janissa Muller), Gastroesophageal Reflux, 2 Hours

04/2013 Instructor, Neonatal Resuscitation Program resident re-certification, 4 Hours

2013 Coordination and organization of Fellow physiology conferences

2013 Co-Director Division of Neonatology CME activities

01/2014 Mentor, Fellow Physiology Conference (Syed Tariq Khalil) Physiology of Thermoregulation in Newborn, 2 hours

02/2014 Instructor, Neonatal Resuscitation Program OB re-certification, 4 Hours

03/2014 Mentor, Fellow Physiology Conference (Nandula Sireesha) Fat Soluble vitamin requirements in newborn, 2 hours

03/2014 Mentor, Division Journal Club (ST Khalil). VICI Trial Conventional Mechanical Ventilation versus High Frequency Oscillatory Ventilation for CDH patients, 2 hrs

01/2016 Mentor, Fellow physiology Conference (ST Khalil) EBM series. Postnatal steroid use in newborn infants, 2 hrs

01/2016 Mentor, Division Journal Club (M Sharma). NINSAPP Trial. Nonintubated surfactant application versus conventional therapy in extremely preterm infants, Kribbs et al August 2015, 2 hrs

04/2016 Mentor, Fellow physiology Conference (M Sharma) Ontogeny of neutrophil function, 2 hrs  
04/2016 Instructor, Neonatal Resuscitation Program PL-2 recertification course, Medical College of Wisconsin, 4 hrs

09/2016 Mentor, Division Journal Club (M Sharma), Effect of early low-dose hydrocortisone on survival without BPD in extremely preterm infants (PREMILOC): a double-blind, placebo-controlled, multicenter, randomized trial

09/2016 Instructor, Neonatal Resuscitation Program for Special care Nursery nurses and an Anesthesia PA, 4 hrs

02/2017 Mentor, Fellow physiology conference (P Arora) Fetal and maternal responses to intrauterine infection, 2 hrs

03/2017 Mentor, Division Journal Club (Puneet Arora). Catheter Dwell Time and CLABSI in Neonates With PICCs: A Multicenter Cohort Study, 2hrs

10/2017 Mentor, Fellow physiology conference (S Seward) Fungal infections in neonates, 2hrs

? Fellow physiology talks are a vital part of fellowship training and provide an in-depth insight into basic newborn physiology topics. These talks are 1 hr long mandatory CME conferences which fellows give in collaboration with staff neonatologists. I am responsible for organizing the schedule and specifics about the content of each talk throughout the academic year.

## BIBLIOGRAPHY

### Refereed Journal Publications/Original Papers

1. Karody VR, Le M, Nelson S, Meskin K, Klemm S, Simpson P, Hines R, Sampath V: A TIR domain receptor associated protein (TIRAP) variant SNP (rs8177374) confers protection against premature birth, *Journal of Perinatology* 2012, 1-6
2. Karody VR, Reese S, Kumar N, Liedel J, Jarzembowski J, Sampath V: A Toll-Like receptor 9 (rs352140) variant is associated with placental inflammation in newborn infants. Submitted for publication 2014 April.
3. Arora PK, Mohandas S, McAndrew S, Karody VR: Spontaneous Umbilical Cord Hematoma. *Journal of Pediatrics* February 2017, 184, 233
4. Arora PK, Karody V: Nasogastric tube in the right hemi-thorax. Where is it?. *Journal of Pediatrics* February 2017, 181, 322
5. Fritz K, Karody V, Cohen S: ParECHO virus sepsis and meningitis in a Neonatal Intensive Care Unit. *Journal of Neuroinfectious diseases* September 2016, 6:187
6. Garvin J, Sampath V, Karody VR: Gastroschisis complicated by Septo-optic dysplasia: Two distinct anomalies with a common origin. *American Journal of Perinatology Reports* March 2016, 6(1): e 15-7
7. Karody VR, Reese S, Kumar N, Liedel J, Jarzembowski J, Sampath V: A Toll-Like receptor 9 (rs352140) variant is associated with placental inflammation in newborn infants. *Journal of Maternal Fetal and Neonatal Medicine* September 2015, 29(13)
8. Karody VR, Le M, Nelson S, Meskin K, Klemm S, Simpson P, Hines R, Sampath V: A TIR domain receptor associated protein (TIRAP) variant SNP (rs8177374) confers protection against premature birth, *Journal of Perinatology* 2012, 1-6

### Non-Refereed Journal Publications/Original Papers

1. Karody V, Gori A. Bone Pain, Bruising, and Epistaxis in a Young Boy. *Consultant for Pediatricians*. 2009; Vol 8, No 8
2. Karody V, Gori A. Bone Pain, Bruising, and Epistaxis in a Young Boy. *Consultant for Pediatricians*. 2009; Vol 8, No 8

### Abstracts

1. Sain GK, McCrean C, Karody V, Lord KM, ElHabbal MH. 8th Spring Meeting, York, 29th March 2004. Outcomes of children with chest pain presenting to the Accident and Emergency Resuscitation Room
2. Sundeep Arora, MD, Vijendar Karody, MD, David Magnuson, MD, Judy Splawski, MD, Lara Bauman, R.N., Samra Blanchard, MD: The American Journal of Gastroenterology (2006) 101, S540-S545. Improving Outcome of Kasai Portoenterostomy with Use of Steroid and Antibiotics
3. Lucas Caldwell-Mcmillan, JD, Vijender Karody, MD, Mallory Curran, JD, Monica Kharbanda, MD, Swati Patel, MD, Jigisha Patel, MD. The karody Special Education Calculator. The Legal Aid Society of Cleveland
4. Vijender R Karody, MD, Min Le, PhD, Sara Klemm, Sharon Nelson, BSN, NNP, Kathleen Meskin, BSN, Pippa Simpson, PhD, Ron Hines, PhD, Venkatesh Sampath, MD, MRCPCH: Toll-like receptor genetic variation and susceptibility to prematurity. Presented at the Pediatric Academic Societies and Asian Society for Pediatric Research, Denver, April 30th- May 3rd 2011
5. Vijender Rao Karody, Tzong-Jin Wu, Rachael Edjou, Rebecca Buchholtz, Rachael Murray, Paula Lembke, Devon Wittig, MaryBeth Miranda, Michael Uhing (2013). Standardizing Line Care Under Guideline Recommendations (SLUG Bug Collaborative) - The Pursuit of Excellence A Children's Hospital of Wisconsin NICU Experience. Institute of Healthcare Initiative National Conference Poster Presentation.
6. Vijender R Karody, Shawn Reese, Jennifer Liedel, Jason Jarsembowski, Venkatesh Sampath (2013): A toll-like receptor (TLR) 9 variant correlates with placental inflammation in preterm infants. *Pediatric Academic Society Poster Session*, Washington DC.
7. Vijender Rao Karody, Min Le, Sharon nelson, Pippa Simpson, Ronald Hines, Venkatesh Sampath (2012). A TIR domain receptor associated protein (TIRAP) variant SNP (rs8177374) confers protection against premature birth. *Pediatric Academic Society Platform Session*, Boston.
8. Vijender R Karody, Trivikram Dasu, James Verbsky, Venkatesh Sampath (2012). Cord blood adaptive immune cell differences between term and preterm infants. *Pediatric Academic Society Poster Session*, Boston.
9. Vijender R Karody, Min Le, Sara Klemm, Sharon Nelson, Kathleen Meskin, Pippa Simpson, Ron Hines,

- Venkatesh Sampath (2011). Toll-like receptor genetic variation and susceptibility to prematurity. Pediatric Academic Societies Poster Session, Denver
10. Sundeep Arora, Vijendar Karody, David Magnuson, Judy Splawski, Lara Bauman, Samra Blanchard. The American Journal of Gastroenterology (2006) 101, S540-S545. Improving Outcome of Kasai Portoenterostomy with Use of Steroid and Antibiotics
  11. Sain GK, McCrea C, Karody V, Lord KM, ElHabbal MH. 8th Spring Meeting, York, 29th March 2004. Outcomes of children with chest pain presenting to the Accident and Emergency Resuscitation Room
  12. NON-PEER REVIEWED EDUCATIONAL PRODUCTS (Video, Syllabi, or Other Teaching/Educational Materials)
  13. Lucas Caldwell-Mcmillan, Vijender Karody, Mallory Curran, Monica Kharbanda, Swati Patel, Jigisha Patel. The karody Special Education Calculator. The Legal Aid Society of Cleveland
  14. Department of Neonatology, Oligohydramnios. NICU handbook , Children's Hospital of Wisconsin 2013.
  15. .
  16. Jeanne Braby, Rainer Gedeit, Vijendar Karody, Paul Harker-Murray (2016). Reduction of central line associated bloodstream infections using standard bundles varies by patient population. 16th International Symposium on Congenital Heart Disease Poster Session, St.Petersburg, Florida.
  17. Rainer Gedeit, Jean Braby, Vijendar Karody, Paul Harker-Murray (2016). Prevention of Central Line Associated Bloodstream Infections Using Standard Bundles Varies By Patient Population. Pediatric Academic Society Poster session, Baltimore
  18. James Daly, Vijendar Karody (2015). Delivery room practice variation in different practice environments throughout the US. AAP National Conference Poster Session. Washington DC.
  19. Vijender Rao Karody, Tzong-Jin Wu, Rachael Edjou, Rebecca Buchhlotz, Rachael Murray, Paula Lembke, Devon Wittig, MaryBeth Miranda, Michael Uhing (2013). Standardizing Line Care Under Guideline Recommendations (SLUG Bug Collaborative) - The Pursuit of Excellence A Children's Hospital of Wisconsin NICU Experience. Institute of Healthcare Initiative National Conference Poster Presentation.
  20. Vijender R Karody, Shawn Reese, Jennifer Liedel, Jason Jarsembowski, Venkatesh Sampath (2013): A toll-like receptor (TLR) 9 variant correlates with placental inflammation in preterm infants. Pediatric Academic Society Poster Session, Washington DC.
  21. Vijender Rao Karody, Min Le, Sharon nelson, Pippa Simpson, Ronald Hines, Venkatesh Sampath (2012). A TIR domain receptor associated protein (TIRAP) variant SNP (rs8177374) confers protection against premature birth. Pediatric Academic Society Platform Session, Boston.
  22. Vijender R Karody, Trivikram Dasu, James Verbsky, Venkatesh Sampath (2012). Cord blood adaptive immune cell differences between term and preterm infants. Pediatric Academic Society Poster Session, Boston.
  23. Vijender R Karody, Min Le, Sara Klemm, Sharon Nelson, Kathleen Meskin, Pippa Simpson, Ron Hines, Venkatesh Sampath (2011). Toll-like receptor genetic variation and susceptibility to prematurity. Pediatric Academic Societies Poster Session, Denver
  24. Sundeep Arora, Vijendar Karody, David Magnuson, Judy Splawski, Lara Bauman, Samra Blanchard. The American Journal of Gastroenterology (2006) 101, S540-S545. Improving Outcome of Kasai Portoenterostomy with Use of Steroid and Antibiotics
  25. Sain GK, McCrea C, Karody V, Lord KM, ElHabbal MH. 8th Spring Meeting, York, 29th March 2004. Outcomes of children with chest pain presenting to the Accident and Emergency Resuscitation Room
  26. NON-PEER REVIEWED EDUCATIONAL PRODUCTS (Video, Syllabi, or Other Teaching/Educational Materials)
  27. Department of Neonatology, Oligohydramnios. NICU handbook , Children's Hospital of Wisconsin 2013,2015.