

## *Curriculum vitae*

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**Place of Birth:** Ahmedabad, India

### **Education**

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1993	M.B.B.S	Medical School	B. J. Medical College, Gujarat, India-380016

### **Postdoctoral Training**

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
1993-1995	D.Ped	Residency in Pediatrics	B. J. Medical College, Gujarat, India-380016
1997	M.D	USMLE Certification	
1999-2002	M.D	Residency in Pediatrics	OUHSC-Tulsa, Oklahoma-74135
2002-2003	M.D	Fellowship in Pediatric Critical care	UT HSC-Memphis, TN 38103

### **Current Licensure and Certification**

#### Licensure

Texas State Medical License (Status: Active)  
Tennessee State Medical License (Status: Active)  
Oklahoma State Medical License (Status: Active)

#### Board and Other Certification

The American Board of Pediatrics – Pediatric Critical Care - November 2008  
The American Board of Pediatrics – Pediatrics - October 2002, 2012 Recertified

**Honors and Awards**

Year	Name of Honor/Award	Awarding Organization
2002	Research Award	OUHSC-Tulsa, OK-74135

**Faculty Academic Appointments**

Year(s)	Academic Title	Department	Academic Institution
2008 to present	Assistant Professor	Pediatrics	UT Southwestern, Dallas, TX 75390

**Appointments at Hospitals/Affiliated Institutions**

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
2003-2005	Consultant Physician	Pediatrics	Apollo Hospital, Gujarat, India.
2008	Consultant Physician	Pediatric Critical Care	UTHSC-Memphis, TN
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2008 to present	Assistant Professor	Pediatrics/Critical Care	UT Southwestern, Dallas, TX

**Major Administrative/Leadership Positions**

Year(s)	Position Title	Institution
2010-2014	Associate Program Director-Pediatric Critical Care Fellowship	2010-2014
2014-present	Program Director-Pediatric Critical Care Fellowship	2014-present

**Committee Service** *(Member, unless noted otherwise)*

Year(s)	Name of Committee	Institution/Organization
<u>Hospital</u>		
2011-present	Children's Program Director Committee	Children's Medical Center-Dallas, TX
2013-present	Sepsis Clinical Pathway Committee	Children's Medical Center-Dallas,

		TX
<u>University</u>		
2014-present	Institutional Review Board Member	UT Southwestern, Dallas, TX
2014-present	Clinical Competency Committee	Pediatric Residency, UT Southwestern, Dallas, TX
2014-present	Clinical Competency Committee	Pediatric Critical Care Fellowship, UT Southwestern, Dallas, TX
2014-present	Program Evaluation Committee	Pediatric Critical Care Fellowship, UT Southwestern, Dallas, TX

### **Professional Societies**

Dates	Society Name, member
	Committees
1999-present	American Medical Association
1999-present	American Academy of Pediatrics
2005-present	Society of Critical Care Medicine
	Fellowships
2009-present	Fellow of American Academy of Pediatrics

### **Clinical Trials Activities**

<u>Present</u>	<i>Grantor:</i>
	<i>Title of Project:</i> Use of Crit-line to monitor real-time Intravascular Blood Volume changes in Critically Ill Children on Continuous Renal Replacement Therapy: IRB approved
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal-Investigator
	<i>Grantor:</i>
	<i>Title of Project:</i> developmental Outcomes in ECMO patients: awaiting IRB approval
	<i>Role (Principal Investigator, Co-Investigator):</i> Co-Investigator
<u>Past</u>	<i>Grantor:</i>
	<i>Title of Project:</i> Clinical characteristics of children admitted to the pediatric intensive care unit with seasonal influenza versus novel influenza H1N1.
	<i>Role (Principal Investigator, Co-Investigator):</i> Principal Investigator

	<i>Grantor:</i>
	<i>Title of Project:</i> Novel Influenza A (H1N1) Surveillance Registry
	<i>Role (Principal Investigator, Co-Investigator):</i> Co- Investigator
	<i>Grantor:</i>
	<i>Title of Project:</i> Outcomes for liver transplantation for acute liver failure in children, specifically use of CVVHD, ICP monitors, plasma exchange: The Dallas experience.
	<i>Role (Principal Investigator, Co-Investigator):</i> Co- Investigator

### **Teaching Activities**

Year(s)	Activity
<u>Medical and graduate school didactic and small group teaching</u>	
2011-present	Vasoactive Agents Monthly talk to Pediatric residents and medical students rotating through the ICU
2014-present	AKI and RRT Monthly talk to medical students rotating through the ICU
2014-present	Team Based Learning Session on Pediatric Resuscitation and Critical Care Designed, developed and implemented a session for medical students undergoing Pediatric clerkship
	<u>Talks for Residents</u>
2011-present	Vasoactive Agents Monthly talk to Pediatric residents and medical students rotating through the ICU
Sept. 2013-present	Sepsis and Septic shock Talk to the residents doing an ICU Elective as part of the Individualized curriculum
2014-present	AKI and RRT Monthly talk to medical students rotating through the ICU
2015	TBL Session on Sepsis Designed and developed a session for Core Didactics for Pediatric Residency
	<u>Talks for Fellows and Nurse Practitioners :</u>
2012-present	Course Director: Critical Care Orientation Program Organize the month long Critical Care Orientation Program for the Incoming fellows (PICU+ER+NICU) as well as APNs.
July 2013	Acute Kidney Injury <i>CRRT course</i>
July 2012-2014	Simulation based CRRT scenarios (as part of the CRRT course) <i>CRRT course</i>
July 2013-2014	Sepsis and Vasoactive Agents, <i>Fellows Orientation</i>
July 2013	Acid-Base Equilibrium, <i>Fellows Orientation</i>

July 2013	Role of ECMO in Sepsis, <i>ECMO course</i>
July 2014	PICU Overview, Fellows Orientation
July 2014	Acute Kidney Injury, CRRT Course
July 2014	Simulation based CRRT scenarios (as part of the CRRT course) CRRT Course
July 2014	Septic Shock, Fellow Didactics
Dissertation committees	
2011-present	Oversee research for all pediatric critical care fellows
2012-present	Core Interviewer for Pediatric Residency Recruitment
2014-present	Faculty Mentor for Pediatric Residents

### **Invited Lectures**

Year(s)	Title	Location
<u>National</u>		
2015	Fluid removal kinetics and ICU mortality in critically ill children undergoing continuous renal replacement therapy (CRRT) Sachin D Tadphale, Archana V Dhar, Diane Gollhofer, Peter Lockett, Raymond P Quigley and Vinai Modem,	PAS Annual Meeting and Eastern SPR Annual Meeting San Diego, CA
2015	Impact of Fluid Balance on Non-renal Organ recovery in Critically Ill Children Requiring Continuous Renal Replacement Therapy. (CRRT)  Sachin D. Tadphale, Archana V. Dhar, Raymond P. Quigley, Diane Gollhofer, Vinai Modem,	Continuous Renal Replacement Therapy (CRRT) Conference, San Diego, CA
2015	Fluid Removal with Continuous Renal Replacement Therapy (CRRT) and ICU mortality in critically ill children. S.D. Tadphale, A.V. Dhar, D. Gollhofer, V. Modem	American Thoracic Society (ATS) Conference, Denver, CO
2014	Impact of early fluid overload on mortality in critically ill children. Bhaskar, P., Dhar, A., Quigley, R., Modem, V	43 <sup>rd</sup> Critical Care Congress, Society of Critical Care Medicine, San Francisco, CA
2014	Idiopathic Hyperammonemia In Adolescent Patient With Pre-B ALL During Induction Chemotherapy B Puente, M Mathias, A Dhar	43rd Critical Care Congress, Society of Critical Care Medicine, San Francisco, CA
2012	Impact of early fluid overload on mortality in critically ill children.	18 <sup>th</sup> International Conference on Advances in Critical Care

	Bhaskar, P., Dhar, A., Quigley, R., Modem, V,	Nephrology, San Diego, CA
2011	Analyzing Medication Errors at the Bedside: A PICU Experience	NACHRI Annual Conference, Baltimore, MD

## **Bibliography**

### **Peer-Reviewed Publications**

#### Original Research Articles

1.	Timing of Continuous Renal Replacement Therapy and Mortality in Critically Ill Children. Vinai Modem, Marita Thompson, Diane Gollhofer, <b>Archana V Dhar</b> , Raymond Quigley: Crit Care Med. 2014
2.	Current recommended parenteral protein intakes do not support protein synthesis in critically ill septic, insulin-resistant adolescents with tight glucose control. Verbruggen SC, Coss-Bu J, Wu M, Schierbeek H, Joosten KF, <b>Dhar A</b> , van Goudoever JB, Castillo L.: Crit Care Med. 2011

#### Reviews, Chapters, Monographs and Editorials

1.	Insulin resistance in critical illness <b>Archana Dhar</b> and Leticia Castillo : Current Opinion in Pediatrics 2011, 23:269–274
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