

# Curriculum Vitae

Name: Vikram P. Patel  
Office Phone: 615-936-0023  
Office Fax: 615-936-4294  
Office Address: 2200 Children's Way, Suite 3115  
Nashville Tennessee, 37232  
Work Email: vikram.p.patel@vanderbilt.edu

## Education

12/1985 - 09/1991	M.B.B.S. from Gujarat University, India
05/2014 - 06/2014	Case Base Introduction to Biostatistics from Johns Hopkins Bloomberg School of Public Health, <a href="https://www.coursera.org/maestro/api/certificate/get_certificate?verify-code=GSVS3ZZT5K">https://www.coursera.org/maestro/api/certificate/get_certificate?verify-code=GSVS3ZZT5K</a>
06/2014 - 07/2014	Data Management for Clinical Research from Vanderbilt University, Nashville, TN
06/2014 - 07/2014	Introduction to Global Health from University of Copenhagen, Copenhagen, Denmark
08/2014 - 09/2014	Learning How to Learn from University of California, San Diego
08/2014 - 10/2014	Understanding Research: An Overview for Health Care Professionals from University of California, San Francisco
09/2014 - 11/2014	Improving Global Health: Focusing on Quality and Safety from Harvard University: HarvardX - PH555x, Cambridge, MA, USA
03/2015 - 05/2015	Certified Professional In Health Care Quality Improvement from Institute for Health Care Improvement (IHI), Cambridge, MA, USA
09/2015 - 11/2015	Writing in the Sciences from Stanford University, CA, USA, Web Education

## Training

09/1991 - 09/1992	Internship in Compulsory Rotating Internship from Gujarat University, India
07/1997 - 06/1998	Residency in Transitional Year Residency from Conemaugh Memorial Hospital, Johnstown, PA, affiliated with Temple Univ., Philadelphia, PA
07/1998 - 06/1999	Internship in Internal Medicine from Pennsylvania Hospital, Philadelphia, PA, affiliated with Uni. Of Pennsylvania, PA
07/1999 - 06/2002	Residency in Anesthesiology from Thomas Jefferson Univ. Hospital, Philadelphia, PA
07/2002 - 06/2003	Fellowship in Pediatric Anesthesia from Children's Hospital of Pittsburgh, Pittsburgh, PA

## Licensure and Certification

N/A	Medical License, Tennessee Medical License of Tennessee United States
N/A	Medical License, North Carolina Medical License of North Carolina United States
N/A	Medical License, Oklahoma Medical License of Oklahoma United States
N/A	Medical License, Pennsylvania Medical License of Pennsylvania United States
01/2023	Board Certification, Diplomate, American Board of Anesthesiology United States
01/2024	Board Certification in Pediatric Anesthesiology
05/2015 - Present	Health Care Quality, Certified Professional in Healthcare Quality United States ( <a href="http://www.ihc.org/myihi/Offerings.aspx?accountname=i%3A0%23%2E%7Cedefinemembershipprovider%7Cvikram911%40yahoo%2Ecom">http://www.ihc.org/myihi/Offerings.aspx?accountname=i%3A0%23%2E%7Cedefinemembershipprovider%7Cvikram911%40yahoo%2Ecom</a> )

## Academic Appointments

08/2003 - 02/2007	Assistant Professor of Anesthesiology, Anesthesiology, Children's Hospital of Pittsburgh (Pittsburgh, Pennsylvania)
08/2009 - 06/2016	Assistant Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

## Hospital Appointments

03/2007 - 06/2009 Worked in Private group practice, Anesthesiology (North Carolina)

## Other Work Experience

09/1992 - 12/1994 Assistant Physician, Private Practice with Dr. K Vaidhya

01/1995 - 04/1996 Assistant Physician, Private Practice with Dr. V. Shah

## Professional Organizations

American Society of Anesthesia  
International Anesthesia Research Society  
Society of Pediatric Anesthesia  
Tennessee Society of Anesthesia

## Professional Activities

### Intramural

07/2015 Trauma Committee, Pediatric Surgery, Committee is reviewing care of trauma patients at Vanderbilt Children's Hospital. It is forum for morbidity and mortality review by multidisciplinary team to enhance care of trauma patients., Anesthesiology Representative

### Extramural

N/A Task force for Difficult Airway Management in Pediatric Anesthesia, Anesthesiology, I am site coordinator and Principal Investigator for PeDI registry. This registry has total 15 sites and more are joining collecting data, reviewing current practices and proposing guide lines for pediatric difficult airway management, Site Coordinator for Vanderbilt Children's Hospital, Principal Investigator for PeDI Registry at Vanderbilt Children's Hospital

## Teaching Activities

03/0 - Present Mediastinal mass, case discussion and MM & I, Investigate case, review literature and moderate discussion, Discussed anesthetic management of patient with mediastinal mass. Review current case, historical literature and current concept.

01/12 - 01/12 Instructor, CELA, Conducted three operating room cases via simulation, debriefed and provide supporting teaching.

01/13 - 01/13 Simulation, Instructor, CELA, two hour session, two cases discussed with simulation. Provided extensive teaching and feedback for that. Jan 22nd. 2013

12/2010 - 2011 Anesthetic consideration for premature children

01/2011 - Present Premature child, TEF and G tube placement., Case conference with Dr. Ghiassi

02/2011 - 02/2011 Anesthetic consideration for premature children

03/2011 - 03/2011 Anesthetic implications in open globe injury patients, VCH, Describe controversy and classical teaching of open globe injury : anesthetic implications

03/2011 - 03/2011 Dexmedetomidine: Pediatric use and implications, VCH, Describe pharmacological, physiological actions of dexmedetomidine, review literature regarding its use in perioperative arena, use in intensive care unit and use in radiological sedation

04/2011 - 04/2011 Anesthetic consideration for tonsillectomy and adenoidectomy, VCH

04/2011 - 04/2011 Anesthetic consideration for premature children

05/2011 - 05/2011 Perioperative cardiac arrest after local anesthetic toxicity in pediatric patients, Sim lab, Assisted in session with Dr. Watkins

06/2011 - Present pediatric drug metabolism, Explain difference between pediatric and adult drug metabolism as it relates to perioperative care of pediatric patients

07/2011 - Present Peds trauma case conference, Discuss pediatric trauma with splenic injury and open globe injury

07/2011 - Present Pediatric drug metabolism, Discuss unique aspects of peds and neonatal drug metabolism

08/2011 - Present pediatric drug metabolism, Sole presenter

08/2011 - Present	Anesthetic consideration for tonsillectomy and adenoidectomy
10/2011 - Present	Anesthetic consideration for tonsillectomy and adenoidectomy
11/2011 - Present	Necrotizing fasciitis: Morbidity and mortality conference at VCH, Sole presentation, Morbidity and Mortality conference
11/2011 - Present	case conference: Hypoplastic left heart syndrome and dental rehabilitation
11/2011 - 11/2011	Anesthetic consideration for tonsillectomy and adenoidectomy
12/2011 - Present	
01/2012 - 2012	Premature child, hernia surgery and ECMO: MM & I, Reviewed and guided presentation, Reviewed presentation and managed conference discussion
01/2012 - 01/2012	Cardiac arrest in MRI, Sole presentation, VCH, Morbidity and mortality conference
02/2012 - Present	pediatric drug metabolism
07/2012 - 07/2012	Case conference, Moderator, " Pediatric Neurotrauma ": Epidural Hematoma. Discuss management of trauma in general, neuro trauma in particular. Discuss pediatric neuro trauma presentation, operating room management and initial PICU management.
08/2012 - Present	Faculty, CELA, Five scenarios over 3.5 hours
08/2012 - 12/2012	pediatric neurotrauma: case conference, Discussed challenging case, moderated discussion.
09/2012 - 09/2012	MOCK ORALS, Examiner, Introduce two sessions of MOCK ORAL exam in ABA format.
09/2012 - 09/2012	Moderator, Various scenarios for simulation for three hours.
09/2012 - 12/2012	Mock Oral, Examiner, Introduce MOCK ORAL in ABA format
10/2012 - 10/2012	MM & I : loss of motor signals in during spinal fusion, Presenter, reviewer and moderator, I presented with fellow and moderated discussion regarding anesthetic management of spinal fusion, current spinal cord function modalities, implication of "loss of signals", pertinent literature for prognosis after such event.
11/2012 - 11/2012	Cardiac arrest in undiagnosed POMPE disease, Presenter, reviewer and moderator, Reviewed case of cardiac arrest in POMPE disease on induction, current concept in POMPE disease and other important disease entities which can have same presentation on induction.
12/2012 - 12/2012	Anesthetic consideration for tonsillectomy and adenoidectomy, Sole presentation, Define indications for adenotonsillectomy, review history of this operation, anesthetic implications, anesthetic techniques.
01/2013 - 01/2013	Simulation of intraoperative cases: Simulation session, Instructor, CELA, Jan 22nd, 2013. Two hour session for peds anesthesiology fellows to cover two cases, help conduct simulation, provide extensive feedback
01/2013 - 01/2013	pediatric orthopedic surgery, Sole presentation, Review types of scoliosis, anesthetic implications, techniques and complication of surgery- anesthesia
02/2013 - 02/2013	pediatric drug metabolism: pediatric drug metabolism, Sole presentation, Discussed implications of pediatric drug metabolism as relates to anesthesiology
03/2013 - 03/2013	pediatric drug metabolism: pediatric drug metabolism, discussed implications of pediatric drug metabolism as it relates to anesthesiology
05/2013 - 05/2013	Sleep Apnea and tonsillectomy, Sole presentation, Describe sleep apnea syndrome, anesthetic implication for adenotonsillectomy in healthy and syndromic patients
05/2013 - 05/2013	Anesthetic consideration for airway/esophageal foreignbody: case conference, Discussed case of difficult esophageal foreignbody removal in a child. Also discussed foreign body in airway with anesthetic implications
06/2013 - 05/2013	pediatric drug metabolism, Sole presentation, Review principles of pediatric drug metabolism as it related to anesthesiology
07/2013 - 07/2013	Anesthetic Implications of Pediatric Drug Metabolism, Presenter, VCH, Discuss unique aspects of pediatric drug metabolism as it affects the anesthetic care of the patients
08/2013 - 08/2013	Anesthetic care for spinal fusion surgery, Presenter, Describe in brief anesthetic care of pediatric spinal fusion surgery
11/2013 - 11/2013	Anesthetic Implications for pediatric drug metabolism, Presenter
11/2013 - 11/2013	Anesthetic care of spine fusion surgery, Presenter, VCH
12/2013 - 2013	Anesthetic Care for Autistic Spectrum Disorder Pediatric Patients, Presenter, VCH, Define Autistic Spectrum Disorder, Review behavioral Aspects of ASD patients. Discuss current perioperative care of ASD patients
01/2014 - 01/2014	Anesthetic Implications For Solid Organ Transplantation, Presenter, Discuss current anesthetic management for pediatric solid organ Transplantation.
02/2014 - 02/2014	Anesthetic Implications for Pediatric Drug Metabolism, Presenter
02/2014 - 02/2014	Anesthetic management for Adenotonsillectomy, Presenter, VCH

03/2014 - 03/2014	Anesthesia Oral Board Review, EXAMINER, Discussed Index case for oral board, Gave constructive comments on performance on responses from fellows. Also provided insight and "plan of action" how to pass board
04/2014 - 04/2014	Anesthetic Implications for Pediatric Neurosurgery, Presenter, VCH, Two separate presentation spanning over more than hour to give overview of CNS physiology for pediatric patients and operative procedure vice anesthetic care for pediatric neurosurgery patients
04/2014 - 04/2014	Anesthetic implications for pediatric neurosurgery, Presenter, VCH, Part 2 of series
05/2014 - 05/2014	Anesthetic Implications for Adenotonsillectomy, Presenter
06/2014 - 06/2014	Anesthetic Implications for Spinal Fusion Surgery in Pediatrics, Presenter
06/2014 - 06/2014	Anesthetic Care of Autism Spectrum Disorder Patients, Presenter
03/2015 - 03/2015	Pediatric Difficult Airway Course, Faculty, Phoenix, Participated in Pediatric Difficult Airway Management course sponsored by Society of Pediatric Anesthesia, Spring 2015 @ Phoenix, AZ Taught Stortz, Truphatek, Glidescope intubation: 3 hours

## Other Significant Activities

N/A	Review and grade performance of pediatric emergency cases in high fidelity simulation sessions : Pre determined high fidelity simulation cases were presented to fellows, residents and SRNAs. In team effort, scoring system was established. Video sessions of those cases reviewed later date, scored. To be used for publication later date.
06/2010	Coordinator for peds anesthesia fellowship lecture series: Organizational
03/2011	Interview and evaluation for peds anesthesiology fellowship candidate: Interviewed more than half of coming fellowship candidates for 2012-13 peds anesthesiology fellowship candidates
03/2011	Review Society of Pediatric Anesthesiology online lecture series: I was accepted to review SPA online presentation, " anesthetic implications in pediatric patients with URI'. I finished review and now waiting for modified version.
07/2011	Co-ordinator for pediatric anesthesia fellowship didactic program:
02/2012	Pediatric neuroanesthesia presentation on web for SPA: on going
06/2012	Quarterly multidisciplinary trauma meeting.: On going involvement in quarterly multidisciplinary trauma meeting. Cases were reviewed before hand, attended meetings, identified if any issues with anesthetic care and if needed disseminate that to division.
12/2012	Reviewer for PACU adverse events: Dr. Gina Whitney: Reviewed PACU events study cases ( more than 90 charts) for Dr. Whitney.
07/2013	Quality Improvement Project: Autism Spectrum Disorder Patients: Formed Multidisciplinary team to improve care of autistic childrens in perioperative setting. Behavioral therapy, pharmacological intervention and health care professional education have been improved with current program
03/2015	Instructor at Pediatric Difficult Airway Course, Society For Pediatric Anesthesia, Phoenix, AZ: Taught for four hours at national meeting of pediatric anesthesiologist at Spring 2015, Pheonix, AZ. Various techniques including videoscope demostartion of technique, indications, contraindications ect.
10/2015	Pediatric Difficult Airway Course, ASA Annual Meeting, San Diego, Oct:2015: Taught as Instructor and Expert various techniques for rotine and difficult Pediatric Intibation with use of tranditional and non traditional devices
11/2015	Moore Pediatric Surgery Ctr. Guatemala City, Guatemala: Anesthesiology team leader for Guatemala Mission Trip for pediatric orthopedic surgery. Evaluated 80 patients, delivered preoperative care for complex orthopedic surgery in low and middle income country setting.

## Honors / Awards

N/A	Recipient of national merit scholarship in India from 1985 to 1991
2006	Team player of year, Dept. of anesthesiology: University of Pittsburgh Medical Ctr., as anesthesia faculty at Children's Hospital of Pittsburgh

## Publications

### Non-Peer Reviewed Publications

### Research Articles

1. **Patel V**, Theroux MC, Reilly J. Popliteal pterygium syndrome with syngnathia. Paediatric anaesthesia 2003 Jan;13(1):80-2. PMID: 12535046.

### Research Papers

1. Duggan EM1, **Patel VP**2, Blakely ML3. Inguinal hernia repair in premature infants: more questions than answers. 2015 Feb; PMID: 25710179.
2. Watkins SC1, Anders S, Clebone A, Hughes E, Zeigler L, **Patel V**, Shi Y, Shotwell MS, McEvoy M, Weinger MB. Paper or plastic? Simulation based evaluation of two versions of a cognitive aid for managing pediatric peri-operative critical events by anesthesia trainees: evaluation of the society for pediatric anesthesia emergency checklist. Journal Of Clinical Monitoring and Computing 2015 Jun; PMID: 26067401.

### Review Articles

1. Dr. Vikram Patel. Pediatric Neuroanesthesia. 2012 Mar.
2. John Fiadjoe MD, Madhankumar Sathyamoorthy, MMS, MS, Vikram Patel, MD:. Successful Tracheal Intubation in Children with Difficult Airways: Seven Secrets Technique Every Anesthesiologist Should Know: . 2015 Aug.

## Presentations

### Other

1. Society of Pediatric Anesthesia Annual Spring Meeting. Society of Pediatric Anesthesia; Fort Myers, Florida. 2003; Peri-operative management of Patient with Bi-ventricular assist device (Thoratec).

### Presentations at Scientific Meetings

1. Vikram Patel. Society of Pediatric Anesthesia, SPRING 2015, Phoenix, AZ. Society for Pediatric Anesthesia; Phoenix, Arizona. 2015 Mar 14; Morbidity and Mortality in Patients with Difficult Tracheal Intubation: An Analysis of the PeDI Registry.