

# Curriculum Vitae

Name: Thanh Tan Nguyen  
Office Phone: 615-936-0023  
Office Fax: 615-936-4294  
Office Address: 2200 Children's Way, Suite 3115  
Nashville Tennessee, 37232  
Work Email: thanh.t.nguyen.1@Vanderbilt.Edu

## Education

08/1998 - 05/2001 B.S. in Cellular Biology from University of Kansas, Lawrence, Kansas  
07/2001 - 07/2005 M.D. in Medicine from University of Kansas School of Medicine, Kansas City, Kansas

## Training

07/2006 - 06/2007 Internship in Internal Medicine from University of Kansas Hospital, Kansas City, Kansas  
07/2007 - 06/2009 Residency in Anesthesiology from Emory University Hospital, Atlanta, GA  
07/2009 - 06/2010 Fellowship in Pediatric Anesthesiology from Vanderbilt University Medical Center, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN

## Licensure and Certification

05/2009 - 12/2017 Medical License, State of Tennessee (44885)  
10/2010 - Present Board Certification, The American Board of Anesthesiology  
09/2014 - Present Board Certification, Pediatric Anesthesiology

## Academic Appointments

07/2010 - Present Assistant Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

## Professional Organizations

2006 American Society of Anesthesiologists, Member  
2010 Tennessee Society of Anesthesiologists, Member  
2011 Society for Pediatric Anesthesia, Member

## Professional Activities

### Intramural

07/2011 - 2014 Pediatric Representative for Equipment Committee, Anesthesiology Leader, Pediatric Craniosynostosis Anesthesiology, Lead member on committee to implement methods to decrease transfusion requirements in children undergoing craniofacial reconstruction  
05/2012 - Present Blood Bank Committee, Pathology, Goal of the committee is to decrease packed red cell wastage during the perioperative period., Lead for VCH perioperative services  
07/2015 - Present Physician Council on Clinical Service Excellence, Vanderbilt Medical Center, This group of Vanderbilt's premier physicians was organized in 2010 to create a "reactor" group for medical center projects, as well as to empower our "doctor's doctors" to lead initiatives to improve clinical care across the enterprise  
08/2015 - Present Emerging Leaders Series, Anesthesiology, Leadership Development Program Lead anesthesiology member, Pediatric Craniosynostosis, Lead member on committee to standardize perioperative care for children undergoing craniofacial reconstruction. Goal is to optimize care and decrease length of stay.  
01/2016 - Present

## Teaching Activities

07/2010 - Present	Anesthetic Management in Children with Burns, Lecturer, Vanderbilt University Medical Center
10/2010 - Present	Pediatric Resuscitation for Children over 10 years of age, Lecturer, Vanderbilt University Medical Center
12/2010 - Present	Anesthetic Management for Children Undergoing Neurosurgical Procedures, Lecturer, Vanderbilt University Medical Center
05/2011 - Present	Pediatric Resuscitation, Lecturer, Vanderbilt University Medical Center
06/2011 - Present	Status Asthmaticus and Pneumothorax in Pediatric Patient, Author of Simulation Scenario, Vanderbilt University Medical Center
09/2011 - Present	Anesthetic Management of a Massive Post-tonsillectomy Bleed, Vanderbilt University Medical Center, Author of Scenario
11/2011 - 2012	Mock Oral Board Examiner, Vanderbilt University Medical Center
03/2012 - Present	Anesthetic Management of Morbidly Obese Patients, Lecturer, Vanderbilt University Medical Center
07/2012 - Present	Case Conference, Facilitator, Vanderbilt University Medical Center
10/2012 - 2012	Simulation Instructor, Vanderbilt University Medical Center
03/2013 - Present	Blood Conservation Techniques in Craniofacial Surgery, Lecturer, Vanderbilt University Medical Center
03/2014 - Present	Anesthetic Considerations for Craniofacial Reconstruction, Lecturer, Vanderbilt University Medical Center
08/2014 - 2014	Emergence Delirium In the Pediatric Patient, Lecturer, Vanderbilt University Medical Center
08/2014 - 2014	Clinical Protocols in Craniofacial Reconstruction, Lecturer, Vanderbilt University Medical Center
01/2015 - Present	Anesthesia for Drug Induced Sleep Endoscopy, Lecturer, Vanderbilt University Medical Center

## Research Supervision / Mentorship

10/2016 - 02/2017	Courtney Baker, M.D. Vanderbilt School of Medicine, Current Position: 4th year medical student. (Medical Student, General Mentorship)
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## Grants and Funding

Grant number unavailable VICTR	Thanh Nguyen (PI)	04/2012 - 08/2013
What is the Prevalence of Vitamin D Deficiency Among Children Undergoing Posterior Spinal Fusion The goal of this study was to establish pilot data on the prevalence of Vitamin D deficiency for children undergoing major spine surgery. With this pilot data, we hope to determine if children need preoperative testing and which groups may be at high risk for deficiency. Role: Principal Investigator Total Cost: \$1,200.00		
Grant number unavailable Hospira		06/2012 - 12/2013
Phase IV, Open-Label, Safety Study Evaluating the Use of Dexmedetomidine in Pediatric Subjects Undergoing Procedure-Type Sedation The purpose of this study was to determine the safety and efficacy of dexmedetomidine in providing sedation for children undergoing noninvasive procedures. This multicenter trial involved over a hundred patients undergoing many different minor procedures. Role: Co-Principal Investigator Total Cost: \$50,346.00		

## Publications

### Peer Reviewed Publications

#### Abstracts

1. **Nguyen TT**, Lam HV, Austin TM. Transfusion algorithms decrease blood transfusion in children undergoing craniofacial surgery. *Anesth Analg* 2014 Apr;118:S-268.

- Phillips ML, Lam HV, **Nguyen TT**, Austin TM. The use of ketorolac for postoperative analgesia in children undergoing myringotomy and placement of equalization tubes. *Anesth Analg* 2014 May;118:S256.
- T. Nguyen, H. Lam, T.M. Austin, J. Schoenecker. Fibrinolysis in Children Undergoing Major Cranial Vault Surgery. *Anesth Analg* 2016 May;122(5S):S-248-S-249.
- T. Nguyen, H. Lam, T.M. Austin. Perioperative Optimization is Associated with Decreased Postoperative PRBC Transfusion in the Postoperative Period. *Anesth Analg* 2016 May;122:S-249-S-250.

### Letters

- Lam H, **Nguyen T**, Austin T. Recurrent cardiomyopathy from recurrent pheochromocytoma in a pediatric patient. *Paediatr Anaesth* 2014 Aug;24(8):888-889. PMID: 25039877.
- Lam H, **Nguyen TT**, Austin TM. Routine epidurography for epidural placement in anesthetized pediatric patients. *Paediatr Anaesth* 2016 Mar;26(3):326-327. PMID: 26814042.
- Emerson, B. and **Nguyen, T**. Are children with Cornelia de Lange syndrome at risk for malignant hyperthermia?. *Paediatr Anaesth* 2016 Oct;27:215-216.

### Case Reports

- Kiberenge R, Lam H, **Nguyen T**, Austin T. Anesthetic management of a patient with isovaleric acidemia. *A A Case Rep* 2015 Feb;4 (3):37-8. PMID: 25642957.

### Research Articles

- Nguyen TT**, Lam L, Austin T. Intraoperative optimization to decrease postoperative PRBC transfusion in children undergoing craniofacial reconstruction. *Paediatr Anaesth* 2015 Mar;25(3):294-300. PMID: 25495602.
- Lam H, Dare S, **Nguyen TT**, Austin TM. Anesthesia for a pediatric patient with cardiofaciocutaneous syndrome. *A A Case Rep* 2015 Apr;4(7):95-96. PMID: 25827862.
- Nguyen TT**, Hill S, Austin TM, Whitney G, Wellons JC, Lam HV. Use of blood-sparing surgical techniques and transfusion algorithms: association with decreased blood administration in children undergoing primary open craniosynostosis repair. *J Neurosurg Pediatr* 2015 Nov;16(5):556-563. PMID: 26230459.
- Phillips M, Willis B, Lam HV, **Nguyen TT**, Austin TM. Bimodal analgesia vs fentanyl in pediatric patients undergoing bilateral myringotomy and tympanostomy tube placement: a propensity matched cohort study. *Journal of Clinical Anesthesia* 2016 Aug;32:162-168. PMID: 27290968.
- Paul A. Stricker, M.D., Susan M. Goobie, M.D., F.R.C.P.C., Franklyn P. Cladis, M.D., Charles M. Haberkern, M.D., M.P.H., Petra M. Meier, M.D., Srijaya K. Reddy, M.D., M.B.A., Thanh T. Nguyen, M.D., Lingyu Cai, M.S., Marcia Polansky, Sc.D., M.S., M.S.W., Peter Szmuk, M.D., and The Pediatric Craniofacial Collaborative Group\*. Perioperative Outcomes and Management in Pediatric Complex Cranial Vault Reconstruction A Multicenter Study from the Pediatric Craniofacial Collaborative Group. *Anesthesiology* 2016 Dec;126:276-287. PMID: 27977460.
- Goobie, S. M., Cladis, F. P., Glover, C. D., Huang, H., Reddy, S. K., Fernandez, A. M., Zurakowski, D., Gries, H., Stricker, P. A. and the Pediatric Craniofacial Collaborative Group (2017),. Safety of antifibrinolytics in cranial vault reconstructive surgery: a report from the pediatric craniofacial collaborative group. . *Paediatr Anaesth* 2017 Mar;27:271-281.

### Editorials

- Nguyen TT**, Donahue BS. Sex-Matching and Red Cell Safety . *The Journal of Thoracic and Cardiovascular Surgery* 2016 Jul; PMID: 27130299.

## Presentations

### Medically Challenging Cases

- Watkins SC, Nguyen TT. American Society of Anesthesiologist Annual Meeting. American Society of Anesthesiologist; San Diego, California. 2010 Oct; Difficult Airway Management in a patient with Popliteal Pterygium Syndrome.
- Nguyen TT, Watkins S. Society of Pediatric Anesthesia Winter Meeting. Society of Pediatric Anesthesia; San Diego, California. 2011 Apr; Difficult Airway Management in a Patient with Popliteal Pterygium Syndrome.
- Nguyen TT, Halliburton A. Society of Pediatric Anesthesia. Tampa, Florida. 2012 Apr; Massive Transfusion in 10 kg Patient Undergoing Tumor Resection.
- Nguyen TT, Sitarich S. Society of Pediatric Anesthesia. Tampa, Florida. 2012 Apr; Endovascular Embolization for Uncontrollable Tonsillar Bleed in Patient with Down Syndrome.
- Nguyen TT, Sitarich S. ASA Annual Meeting. 2012 Sep; Uncontrolled Lingual Tonsillar Bleed Requiring Embolization in a Patient with Down Syndrome.

6. Nguyen TT, Austin TM, Lam HV, Modes K. Society of Pediatric Anesthesia Winter Meeting. 2013 Mar; A Case of Tumor Lysis Syndrome From Intraoperative Dexamethasone.
7. Nguyen TT, Austin TM, Lam HV. Society of Pediatric Anesthesia Winter Meeting. 2013 Mar; Difficult Lung Isolation in a Child with Cystic Fibrosis undergoing Lung Resection for M. abscesses infection.
8. Hamilton M, Lam HV, Nguyen TT, Austin TM. Society of Pediatric Anesthesia Winter Meeting. 2013 Mar; Intraosseous Rapid Sequence Induction in a Patient with Intussusception.
9. Sobey, J, Nguyen TT. Society of Pediatric Anesthesia Winter Meeting. Society of Pediatric Anesthesia; Florida. 2014 Mar 8; Pediatric Anesthetic Management of the Surgical Resection of Recurrent Pheochromocytoma.
10. Walls S, Nguyen TT, Lam HV, Austin TM. ASA Annual Meeting. ASA; New Orleans, Louisiana. 2014 Oct; Anesthetic Considerations for a Child with Anti-NMDA Encephalitis Presenting for a Right Oophorectomy.
11. Dare S, Nguyen TT, Lam HV, Austin TM. ASA Annual Meeting. ASA; New Orleans, Louisiana. 2014 Oct; Inadvertent Passage of Endotracheal tube through Tracheal Esophageal Fistula during Positioning.

### **Problem based learning discussion**

1. Landsman IS, Nguyen TT. Society of Pediatric Anesthesia Annual Meeting. Society of Pediatric Anesthesia; San Antonio, Tennessee. 2010 Apr; PBLD: Anesthetic Implications of Neonatal Vein of Galen Aneurysmal Malformation (VGAM).

### **Presentations at Scientific Meetings**

1. Nguyen TT, Hill S, Broman A, Austin TM, Lam HV. ASA Annual Meeting Late breaking Abstracts. ASA; San Francisco, California. 2013 Oct; Transfusion Algorithms Decrease Blood Transfusion in Children Undergoing Craniofacial Reconstruction (Preliminary Data).
2. Nguyen TT. BH Robbins Research Symposium. Vanderbilt; Nashville, Tennessee. 2014 Apr; Using Algorithms to Decrease Blood Transfusion Intraoperatively in Craniofacial Reconstruction.
3. Nguyen TT, Hill S, Lam HV, Austin TM. IARS. Montreal, Canada. 2014 May; Transfusion Algorithms Decrease Blood Transfusion in Children Undergoing Craniofacial Reconstruction.
4. Nguyen TT, Lam HV, Austin TM. ASA. New Orleans, Louisiana. 2014 Oct; Intraoperative Optimization to Decrease Postoperative PRBC Transfusion in Children Undergoing Craniofacial Reconstruction.
5. Stricker PA, Cladis FP, Haberkern C, Goobie S, Meier-Haran P, Reddy S, Nguyen T, and Szmuk P. The International Society for Craniofacial Surgery. Tokyo, Japan. 2015 Aug; Outcomes of Cranial Vault Reconstruction: A Study from the Pediatric Craniofacial Collaborative Group.
6. Nguyen TT, Lam HV, Austin TM. Society of Pediatric Anesthesia. Colorado Springs, Colorado. 2016 Apr; Evaluation of the Prevalence of Vitamin D Inadequacy in Pediatric Patients Undergoing Posterior Spinal Fusion.
7. Nguyen TT, Lam HV, Austin TM, Schoenecker J. International Anesthesia Research Society Annual Meeting. San Francisco, California. 2016 May 22; Fibrinolysis in Children Undergoing Major Cranial Vault Surgery.
8. Nguyen TT, Lam HV, Austin TM. International Anesthesia Research Society Annual Meeting. San Francisco, California. 2016 May 22; Perioperative Optimization is Associated with Decreased PRBC Transfusion in the Postoperative Period.
9. Baker C, Wallace C, Oelsner W, Gailani D, Wheeler A, Nguyen TT, Mignemi M, Lovejoy S, Schoenecker J, Mencio G, Martus J. International Meeting on Advanced Spine Techniques. Washington, District of Columbia. 2016 Jul 14; Consumptive and Dilutional Coagulopathies: The next treatable bleeding disorder in scoliosis patients?.