# Anish Shah

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Resident physician in internal medicine with an interest in autonomic dysfunction, heart rate variability, epidemiology, biostatistics, and point-of-care ultrasonography.

## Personal information

### Physical address

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Home

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### Contact

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### Citizenship

United States of America

## Training

### Education

2007-2011  
Emory University College of Arts and Sciences, Atlanta, Georgia  
*Bachelor of Science in Linguistics and Neurosciences & Behavioral Biology*

2012-2016  
Texas A&M University College of Medicine, College Station, Texas  
*Doctor of Medicine*

### Postgraduate training

2016-2019  
Emory University School of Medicine, Atlanta, Georgia  
*J. Willis Hurst Internal Medicine Residency*  
Distinction in Teaching and Leadership

### Licensure and Boards

USMLE Step 1 (248)  
USMLE Step 2 CK (253)  
USMLE Step 3 (243)

## Teaching

### **LOCAL**

### Undergraduate

2010  
Emory University College of Arts and Sciences  
Department of Biology  
*Teaching Assistant in Cellular Biology*

2011-2012  
North Lake College  
Department of Physics  
*Tutor in Biology, Chemistry, and Physics*

### Medical student

2013  
Texas A&M University College of Medicine  
*Histology Tutor*

2016  
Texas A&M University College of Medicine  
Internship Bootcamp  
*Session Leader*

2017-2019  
Emory University School of Medicine  
Physician Assistant Program  
Didactic Experiential Learning Program  
*Faculty Preceptor*

2018  
Emory University School of Medicine  
*M3 Ultrasound Workshop Leader*

2019  
Emory University School of Medicine  
*Physical Exam and Clinical Decision Making Workshop Leader*

### Medical resident

2018  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
*Lotions and Ointments and Creams, Oh My!*  
Bite-Sized Teaching Mode Conference

2018  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
*The Problem Learner: A history and physical for learners with difficulties*  
Lecture for Distinction in Teaching and Leadership Conference

2018  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
*Intervention of Ischemic Stroke: Thrombectomy in 6 to 16 Hours with Selection by Perfusion Imaging*  
Journal Club Conference

2018  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
*Ironing Out Transfusions in Sickle Cell*  
Bite-Sized Teaching Mode Conference

2019  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
*The History of Sudden Cardiac Death: the Role of the Autonomic Nervous System*  
Senior Grand Rounds

### Medical faculty

2017  
Emory University School of Medicine  
Division of General Medicine and Geriatrics  
Point-of-Care Ultrasound: Evaluation of the IVC

### **REGIONAL**

### Faculty

2018  
Southern Hospital Medicine Conference  
*Ultrasound Workshop: Cardiac, IVC, Lung, Abdominal Views*

2018  
Southern Hospital Medicine Conference  
*“8 Minutes-to-Win-It”: Top Inpatient Teaching Sessions by Soon-To-Be-Leaders*

### Supervisory Roles

**Students**:  
Julie Sommer, PA-S - April 2017 to August 2018  
John Ward, M3 - January 2018  
Deema Elchoufi, M3 - April 2018  
Hugo Cavalia, M4 - July 2018  
Brian Mott, M3 - August 2018  
Anna Coronata, M3 - December 2018  
Eli Mlaver, M3 - December 2018  
Grace Helen Frankel, PA-S - February 2019 to June 2019

**Interns**:  
Rebecca Engels - January 2018  
Mangala Patil - January 2018  
Rebecca Neustein - April 2018  
Kate Measom - April 2018  
Kevin Luk - August 2018  
Eric Yao - August 2018  
Ross Bittman - November 2018 (Bite-sized Teaching Mode Conference Coach)  
Samuel Huxley - December 2018  
Ross Bittman - December 2018  
Arjun Athreya - January 2019 (Bite-sized Teaching Mode Conference Coach)  
Lakshmi Katta - April 2019  
Ryan Brown - April 2019

## Professional Memberships

2012-2016  
Texas Medical Association  
2012-present  
American Medical Association  
2012-present  
American College of Physicians  
2018-present  
American Heart Association

## Honors and Awards

2007  
EMT-Basic National Competition, 1st Place, HOSA  
2009  
Delores B. Aldridge Excellence in Service to a Diverse Community Award  
2009–2011  
Nu Rho Psi Honor Society  
2009  
Speaker to His Holiness the XIV Dalai Lama  
2015  
Texas A&M University College of Medicine Research Symposium, 1st Place Oral Presentation  
2017  
Doctor’s Dilemma (Medical Jeopardy), Emory’s Resident Team, Georgia ACP Conference  
2018  
American Heart Association Scientific Sessions - Top Donors Meeting presentation  
*Special invitation to discuss research with AHA leadership and top philanthropists.*

## Skills

### Procedural and clinical skills

**Point-of-care ultrasonography**:  
Training included 1 month of ultrasound curriculum and 2 months of emergency medicine ultrasound during medical school, including wilderness medicine training. Further training in residency during ICU, wards, and cardiology rotations. Skills include obtain cardiac views, assessing global cardiac function, identifying pleural disease, IVC assessment, identifying hydronephrosis, and skin/soft tissue evaluation.

**Procedures**:  
Point-of-care ultrasonography  
Arterial line placement (radial, brachial, dorsalis pedis) - 52  
Arthrocentesis (knee, ankle, shoulder) - 31  
Central line placement (internal jugular, femoral, subclavian) - 84  
Lumbar puncture - 34  
Thoracentesis - 19  
Paracentesis - 24

### Languages spoken

English  
Gujurati  
Spanish

### Technical skills

**Computer programming:**  
R, RStudio - scripting language and environment for statistical computing and graphics  
PERL - high-level programming language for text processing and manipulation  
C++ - low-level programming language for data processing  
Vim - command line editing  
Markdown - syntax for formatting of writing  
Git, Github - version control system

### Certifications

2007-2010  
EMT-B  
2012—2016  
ATLS  
2012—present  
ACLS  
2015—present  
PADI Open Water Diver  
2016—present  
Wilderness First Responder  
2017—present  
ASA 101 Basic Keelboat

## Conferences

### Institutional

2009  
*Cortisol Levels in Rhesus Monkeys with Maternal Separation Over Longitudinal Cohorts*  
**Anish Shah**, Mar Sanchez PhD  
Poster Presentation  
Scholarly Inquiry and Research at Emory Research Partners Symposium  
Atlanta, Georgia

2016  
*Long-Term Outcomes of Newborns with Necrotizing Enterocolitis: a retrospective matched cohort study*  
**Anish Shah**, Emily Sanders\*, Mary Mrdutt MD, Lena Perger MD  
Texas A&M University College of Medicine Research Symposium, 1st Place  
Temple, Texas

2016  
*Long-Term Outcomes of Newborns with Necrotizing Enterocolitis: a retrospective matched cohort study*  
**Anish Shah**, Emily Sanders, Mary Mrdutt MD, Lena Perger MD  
Scott & White Healthcare Academic Operations Research Day  
Temple, Texas

2018  
*Association of Ischemia with Heart Rate Variability*  
**Anish Shah MD**, Amit Shah MD MSCR  
Poster Presentation  
Emory Internal Medicine Resident Research Day  
Atlanta, Georgia

2018  
*The Largest IVC: the examination of torrential tricuspid regurgitation in the setting of peripartum cardiomyopathy*  
Birju Rao MD\*, **Anish Shah MD**, Stephen D. Clements MD  
Poster Presentation  
Mr. William E. Booth and Dr. James Zaidan Grady Resident Research Day  
Atlanta, Georgia

2018  
*More than Mono: Epstein Barr virus mimicking malignancy*  
Gabriel Aleixo\*, **Anish Shah MD**, Fuad El Rassi MD  
Poster Presentation  
Mr. William E. Booth and Dr. James Zaidan Grady Resident Research Day  
Atlanta, Georgia

2018  
*Association of Ischemia with Heart Rate Variability*  
**Anish Shah MD**, Amit Shah MD MSCR  
Poster Presentation  
Mr. William E. Booth and Dr. James Zaidan Grady Resident Research Day  
Atlanta, Georgia

### Regional

2011  
*Influence of the Acoustic Parameter of Pitch on Emotion and Focus Location in Statements using Ditransitive Verb Manipulations*  
**Anish Shah**, Yu Li PhD  
Poster Presentation  
Great Lakes Expo for Experimental and Formal Undergraduate Linguistics, Michigan State University, East Lansing, Michigan

2015  
*Illuminating the Case of a Rare GI Bleed*  
**Anish Shah**, Austin Metting MD  
Poster Presentation  
American College of Physicians Texas Chapter Conference

2017  
*Three’s company: nocardiosis, neuroendocrine hyperplasia, and breast cancer*  
**Anish Shah MD**, Stephen D. Clements MD, Matthew Dudgeon MD PhD  
Poster Presentation  
American College of Physicians Georgia Chapter Conference  
Savannah, Georgia

2017  
*Three’s company: nocardiosis, neuroendocrine hyperplasia, and breast cancer*  
**Anish Shah MD**, Stephen D. Clements MD, Matthew Dudgeon MD PhD  
Poster Presentation  
Southern Hospital Medicine Conference  
New Orleans, Louisiana

### National

2014  
*Genetic Linkage Analysis for Cystic Fibrosis Related Diabetes*  
**Anish Shah**, Scott Blackman MD PhD  
Poster Presentation  
NIDDK Medical Student Research Symposium at Vanderbilt University  
Vanderbilt University, Nashville, Tennessee

2017  
*Long-Term Outcomes of Newborns with Necrotizing Enterocolitis: a retrospective matched cohort study*  
**Anish Shah**, Emily Sanders, Mary Mrdutt MD\*, Lena Perger MD  
Oral Presentation  
Annual Meeting of the Canadian Association of Pediatric Surgery  
Vancouver, Canada

2018  
*Circadian Autonomic Inflexibility: a Marker of Ischemic Heart Disease*  
**Anish Shah MD**\*, Rachel Lampert MD, Jack Goldberg PhD, J. Douglas Bremner MD, Lian Li PhD, Marc Thames MD, Viola Vaccarino MD PhD, Amit Shah MD MSCR  
Poster Presentation  
American Heart Association Scientific Sessions  
Chicago, Illinois

## Research

### Manuscripts

**Shah, AS**, Lampert R, Goldberg, J, Bremner, JD, Vaccarino, V, Shah, AJ. “Circadian Changes in Heart Rate Variability Predict Abnormal Myocardial Perfusion”. [under review]

### Works in progress

Mrdutt, M, **Shah, AS**, Sanders, Mallett, L, Perger, LP. “Long-Term Outcomes of Newborns with Necrotizing Enterocolitis: a retrospective matched cohort study”. Canadian Association of Pediatric Surgery Edition of the Journal of Pediatric Surgery, May 2017 [accepted]

**Shah, AS**, Alvaro, A, Whitsel, E, Vaccarino, V, Shah, AJ. “Heart Rate Variability and Psychosocial States: an Atherosclerosis Risk In Communities study”. Atherosclerosis Risk In Communities Publications Committee, October 2017. [proposal accepted]

**Shah, AS**, Clements, SD, Dudgeon, M. “Nocardioma: neuroendocrine hyperplasia as a response to pulmonary nocardiosis”. Annals of Internal Medicine. [pending]

**Shah, AS**, Klein, R, Akbashev, M. “Cardiovascular Ultrasonography in Resident Learning and Clinical Decision Making”. Institutional Review Board, Emory University, Atlanta, Georgia, March, 2018. [pending]

Park, J, **Shah, AS**, Mehta, PK, Shah, AJ, Quyyumi, AA, Vaccarino, V, Marvar, P. “Brain-Heart Interactions in Stress and Anxiety Related Disorders: Implications for Increased Cardiovascular Disease Risk”. Hypertension. [pending]

**Shah, AS**, Shah, AJ, Mehta, PK, Thames, MD. “Sympathetic Innervation of the Heart: a Clinical Review”. [pending]

### Published abstracts

2014  
**Shah, AS**, Blackman, S. “Genetic Linkage Analysis for Cystic Fibrosis Related Diabetes”. National Institute of Diabetes and Digestive and Kidney Diseases Medical Student Research Symposium at Vanderbilt University, Nashville, Tennessee.

2017  
Mrdutt, M, **Shah, AS**, Sanders, E, Mallett, L, Perger, LP. “Long-Term Outcomes of Newborns with Necrotizing Enterocolitis: a retrospective matched cohort study”. Annual Meeting of the Canadian Association of Pediatric Pediatric Surgeons, Vancouver, British Columbia, Canada.

2017  
**Shah, AS**, Clements, SD, Dudgeon, M. “Three’s company: nocardiosis, neuroendocrine hyperplasia, and breast cancer”. Southern Hospital Medicine Conference, New Orleans, Louisiana.

2018  
**Shah, AS**, Lampert R, Goldberg, J, Bremner, JD, Vaccarino, V, Shah, AJ. “Circadian Autonomic Inflexibility: a Marker of Ischemic Heart Disease”. Circulation.

## References

### Academic

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### Ultrasonography

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