Curriculum Vitae

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## Personal information

### Physical address

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University of Illinois Chicago Division of Cardiology 840 S Wood St Suite 920, M/C 715 Chicago, IL 60612

*Clinic*

Jesse Brown VA Medical Center 820 S. Damen Avenue Specialty Clinic, 2nd Floor, Damen Tower Chicago, IL 60612

*Home*

2810 W. Walton St Chicago, IL 60622

### Citizenship

United States of America

## Academic and Professional Appointments

### Current Appointments

2019-present  
Assistant Professor of Medicine  
Division of Hospital Medicine  
Emory University School of Medicine

2019-present  
Postdoctoral Fellow  
Department of Epidemiology  
Emory University Rollins School of Public Health

2019-2020  
NIH-TL1 Postdoctoral Scholar  
Georgia Clinical and Translational Science Alliance

## 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*

2019-2020  
Emory University Laney Graduate School, Atlanta, Georgia  
*Master of Science in Clinical Research*

### 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  
USMLE Step 2 CK  
USMLE Step 3  
American Board of Internal Medicine Certification

## Teaching

### 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*

2018-2019 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

2019  
Emory University School of Medicine  
J. Willis Hurst Internal Medicine Residency Program  
Point-of-Care Ultrasonography Elective  
Teaching Attending

### Faculty

2017  
Emory University School of Medicine  
Division of General Medicine and Geriatrics  
Point-of-Care Ultrasound: Parasternal Long Axis

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  
Grace Helen Frankel, PA-S - February 2019 to June 2019

**Interns**:  
Ross Bittman - November 2018 (Bite-sized Teaching Mode Conference Coach)  
Arjun Athreya - January 2019 (Bite-sized Teaching Mode Conference Coach)

## 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  
*Selected to represent Emory students in a meeting with the Dalai Lama in MacLeod Gange, India.* 2013 Medical Student Research Program in Diabetes, National Institute of Diabetes and Digestive and Kidney Diseases  
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.* 2019 NIH-TL1 Postdoctoral Scholar, Ruth L. Kirschtein National Research Service Award

## 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  
MATLAB - matrix-oriented mathematical programming language

### 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

2019 *Association of Psychosocial Factors with Heart Rate Variability: The Atherosclerosis Risk in Communities Study*  
**Anish Shah MD**, Alvaro Alonso MD PhD, Amit Shah MD MSCR  
Poster Presentation  
Emory University Department of Medicine 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

### Funding

2019-2020  
Postdoctoral Scholar, NIH-TL1 Training Grant  
Georgia Clinical and Translational Science Alliance  
*Disturbances of the Neurocardiac Axis: Using Heart Rate Variability to Measure Disease in the Brain and Heart*  
Grant: TL1TR002382, UL1TR002378

### Manuscripts

**Shah, AS**, Lampert R, Goldberg, J, Bremner, JD, Thames, MD, 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: the Atherosclerosis Risk In Communities study”. [pending]

**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” [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

Amit Shah, MD, MSCR  
Assistant Professor of Epidemiology Assistant Professor of Medicine (Cardiology)  
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### Clinical

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### Ultrasonography

Mikhail Akbashev, MD  
Course Director and Clinical Lead - Point-of-Care Ultrasound  
Assistant Professor  
Division of General Medicine and Geriatrics  
Emory University School of Medicine  
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Shirine Allam  
Assistant Professor of Medicine  
Associate Program Director - Pulmonary, Allergy, Critical Care Fellowship  
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