Listed below stratified by subspecialty are just some of the projects our residents have worked on, presented, submitted, or published during the 2016-2017 academic year. Congratulations to everyone on a productive research experience, and thank you to all our faculty for their continued commitment to education and resident research.

**Allergy**

Aarti Pandya  
*Eczema herpeticum: treatment with high dose acyclovir*

Provider barrier to EpiPen prescription in patients with anaphylaxis

**Cardiology**

Sarika Chandiramani  
*Adherence to appropriate use criteria for cardiac stress testing at Hines VA medical center*

Justin Coyle  
*Mechanical heart valve bridging anticoagulation*

Kristina Quinn Degesys  
*Using cardiac MRI prior to VAD implant as a predictor of right heart failure post-VAD implant*

*Clinical and hemostatic characteristics of patients with left ventricular assist device thrombosis*

Rick Gaines, Thomas O'Connell  
*Difference in nighttime versus daytime outcomes for STEMI in an institution with a 24/7 in-house intervention team*

Scott Janus  
*The relationship of epicardial adipose tissue to cardiac disease.*

Rania Kaoukis  

Matt Laubham  
*Benefits of cardiac resynchronization therapy in LVAD patients*

Val Maharaj  
*Comparison of 2D echocardiography tissue Doppler indices to multi-gated radionuclide angiography parameters for determining diastolic dysfunction*

Val Maharaj, Lilyana Nezirova  
*Calsequestrin 2 and catecholaminergic polymorphic ventricular tachycardia: case report with novel gene mutation*
Joshua Newman
Comparison of the negative prognostic value of coronary computerized tomography angiography, stress echocardiography, and myocardial perfusion imaging.

Adverse renal events predict negative clinical outcomes in patients undergoing transcatheter aortic valve implantation.

Guillain-Barre syndrome associated with cytomegalovirus and myocardial infarction following heart transplantation: case report and review of the literature

A QI project to reduce pneumonia and heart failure hospital readmissions at the Hines VA

Do CT guided measurements of aortic valve area correlate better with invasive hemodynamic findings than those obtained by echocardiography?

Josh Newman, Matt Laubham
Comparison of accuracy of clinical versus ultrasound assessment of jugular venous pressure in patients with heart failure presenting for right heart catheterization

Joshua Newman, Alexander Turin

A study of cardiac MRI and left ventricular non-compaction

Thomas O’Connell, Rick Gaines
Impact of emergency medical services cardiac catheterization lab activation on door-to-balloon time and total ischemic time for ST-segment elevation myocardial infarction

Saud Rana

Sachin Shah
Retrograde aortic flow: normal physiological variant or pathophysiological source for cryptogenic stroke

Marcus Sublette
Comparison of CT-FFR and OCT in coronary artery disease

Alexander Turin
Optical coherence tomography for lesion assessment

Association between vitamin D deficiency, atrial fibrillation, and the renin-angiotensin-aldosterone system.
Acute euvolemic hyponatremia in a patient with hemorrhagic infarct after ST-segment elevation myocardial infarction.

Book chapter: Critical limb ischemia and the angiosome model. In: Critical limb ischemia.

Gastroenterology/Hepatology

**Allyce Caines, Jennifer Ray**
*IBD, PSC, liver transplantation and muscle mass: predicting surgical outcomes*

Prognostic utility of urinary biomarkers in diagnosing acute kidney injury in patients with cirrhosis

**Vikram Goyal**
*Outpatient primary care physician utilization before and after index hospitalization in patients with decompensated liver cirrhosis enrolled in a large national health insurance administrative database*

Early hospital readmissions and mortality in patients with decompensated cirrhosis in a large national health insurance administrative database

Opioid use is associated with all-cause and sepsis-related death among patients with cirrhosis

Ascites and hepatic encephalopathy and outcomes in hepatocellular carcinoma

**Matt Laubham**
*K-centra in non-bleeding cirrhotic patient: case report*

**Jennifer Ray**
*GI amyloidosis: a case report*

Case report on acute myelogenous leukemia with isolated CNS relapse

Sarcopenia predicting post-surgical outcomes in patients with Crohns disease.

**Alexander Turin**
*Hematuria and diarrhea: a case report*

General Medicine

**Perry Formanek, Andrew Tully**
*Abnormal esophageal air in patients with chronic cough*

**Matt Herrmann**
*What aspects of comfort care do families want to know about?*

**Scott Janus**
*Dramatic hemodynamic variability from radiation induced baroreceptor failure*
Tony Kurian, Roseanne Raphael, Brian Kauh, Perry Formanek  
_Nurse-Physician perceptions of collaboration with implementation of geographic localization_

Erika Maestas  
_Retrospective review of the Loyola University Medical Center LDCT program_

Val Maharaj  
_Drug induced liver injury in the setting of glycogenic hepatopathy: a case report and review_

Lilyana Nezirova, Jamie Chin-Theodorou, Stephen Junic  
_Vasculitis presenting as chest pain and dyspnea on exertion_

Aarti Pandya, Rania Kaoukis  
_Primary care physician role in advanced directive registration_

Andrew Tully  
_Opiate creep: Loyola Burn Center discharge narcotics_

**Hematology/Oncology**

Saud Rana, William Pearse  
_The effect of equine antithymocyte globulin on the outcomes of allogeneic hematopoietic stem cell transplantation: a single institution experience_

**Infectious Diseases**

Farah Nasraty, Parisa Zarreii  
_Dancing eyes, dancing feet: an uncommon primary presentation of HIV seroconversion_

Saghar Saber  
_Evaluation of patient outcomes and cost of care when using FilmArray respiratory panel for diagnosis of acute respiratory infection_

**Nephrology**

Rie Hirai  
_Identifying urinary and peritoneal dialysate fluid microbiome in patients receiving peritoneal dialysis_

Rania Kaoukis  
_Hypertension and vitamin D_

Saud Rana  
_Serum free kappa/lambda ratio in primary amyloidosis: can it be abnormally normal?_
Maria Theodorou
Succinylcholine induced hyperkalemia in pregnancy: a unique clinical presentation

Pulmonology/Critical Care

Elizabeth Collins, Ragini Bhadula
Sleep quality pre- and post-lung transplantation

Matt Laubham
Lactate in cirrhotics with sepsis

Andrew Tully
Idiopathic phrenic nerve impairment: a deceptive cause of dyspnea

Phil Yang, Perry Formanek
Validation of automated electronic acute respiratory distress syndrome (ARDS) screening tool in cirrhotic patients, and characterization of morbidity and mortality in ARDS in cirrhotic patients

Katie Young
Sleep hygiene: implications of ICU delirium, a quality improvement study

Polycompartment syndrome: a case of 4 extremity compartment syndrome following substance abuse

Metastatic angiosarcoma with lung involvement: a case report

Rheumatology

Sarah Fantus, Andy Heisler
Is anti-cyclic citrullinated peptide antibody positivity associated with increased cardiovascular risk in both rheumatoid arthritis and non-rheumatoid arthritis populations?