



Department of Internal Medicine and Neurology

Annual Report

July 1, 2021 – June 30, 2022

Glen D. Solomon, MD, MACP
Professor and Chair

1

Statement from the Chair/Associate Dean

For the Department of Internal Medicine and Neurology, 2021-22 was another strong year. We have continued to excel at our three key missions – teaching, patient care, and scholarly activity.

Academically, the Department continues to be successful. Twenty-four BSOM students applied for residencies in Internal Medicine, more than any other specialty. This reflects the quality of our faculty and residents. Our IM and Neurology residencies had solid board pass rate and strong In-Training Examination scores.

Patient care remained busy and high quality. Three members of the Department were named Dayton's Best Doctors – Drs. Bennett, Burdette, and Solomon. The incredible efforts put forward by our Infectious Diseases physicians, with the support of our residency program, allowed for excellence in patient care during the COVID-19 waves.

We had continued funded research activity within the Department through statewide cardiovascular disease and diabetes best practices collaboratives (MEDTAPP). We will have funding for this project through June 2023.

The scholarly productivity of the Department has continued to grow, with over 200 resident presentations and publications this year. Several members of the Department published papers in peer-reviewed journals.

We hope to grow the Department in 2022-23 with additional faculty members. We expect additional scholarly activity from our MEDTAPP participation and on-going educational research.

Department of Medicine Awards:

Dr. Akruiti Prabhakar & Dr. Theo Chung – The Good Heart Award in honor of Dr. Mukul Chandra

Dr. Yonathan Dollin – The Dr. Rajnish Dhingra Annual Scholarship See Fund Award

Dr. Perry Nystrom – Faculty Teaching Excellence at the VA Medical Center

Dr. Andrew Berglund – Faculty Teaching Excellence at the WPAFB Medical Center

Dr. Muhammad Soofi – Faculty Teaching Excellence at Miami Valley Hospital

Dr. Andrew Berglund – Critical Care Faculty Teaching Excellence Award

Dr. Brian Elliott – Outstanding Teaching Resident in the 3rd year class

Dr. Marc Gutierrez & Dr. Nicholas Eisenberg – Outstanding Teaching Resident in the 2nd year class

Dr. Tony Mrozek – Intern of the Year

Dr. Emma Dunn – The Winning Attitude Award-Chief selection

Dr. Ammar Ahmad & Dr. Brian Elliott – Charles E. Payne, Jr., MD Award for Scholarly Activity

Dr. Muhammad Soofi – Ambulatory Teaching Award for Excellence

Dr. Gabby Krstevski – FRHC Making a Difference Award-From the staff at FRHC

Dr. Michael Tang – Wright Patterson Outpatient MVP Award

Dr. David DeMasters – Award for Military Excellence

Dr. Michael Tang – The Mighty Raider Award

Dr. Gabby Krstevski – The Dr. H. Barrett Bolton Award for Humanism

Dr. Michael Tang – The Resident’s Award for Excellence

Mary Pietrzak, Kayla Fayerweather & Lisa Boydston – The Program Director’s Award for Excellence

Dr. Kerianne Springer & Dr. Kelsey Wilson – The Chairman’s Award for Excellence

2 Programs/Divisions

Name of Division or Program	Director	Dates
3rd Year Internal Medicine Clerkship, 4th Year Medical Students Electives	Luke McCoy, MD	Jan. 1, 2019-
3rd Year Neurology Clerkship, 4th Year Neurology Med Student Electives	Cassandra Milling, MD	2008-

Name of Division or Program	Director	Dates
Internal Medicine Residency Program	James Lamb, MD	Sept. 1, 2020-
Neurology Residency Program	Bradley Jacobs, MD	July 1, 2014-
Gastroenterology Fellowship Program	Sangeeta Agrawal, MD	June 1, 2012-
Hematology/Oncology Fellowship Program	Howard Gross, MD	October 1, 2011-
Infectious Diseases Fellowship	Katelyn Booher, DO	Aug. 1, 2020-
Division of Cardiology	Vaskar Mukerji, MD	Aug. 2013-
Division of Endocrinology	Thomas Koroscil, MD	July 2004-
Division of Gastroenterology	Sangeeta Agrawal, MD	June 2010-
Division of General Internal Medicine	Kerianne Springer, MD	October 2020-
The Division of Hematology/Oncology		
Division of Infectious Diseases	Steve Burdette, MD	Jan. 2020-
Division of Nephrology		
Division of Nuclear Medicine		
Division of Pulmonary/Critical Care Medicine		
Division of Rheumatology	Joshua Scott, MD	July 1, 2019-

3

Fully Affiliated Faculty (may be the same as #2 above for some depts)

Name and Academic Position	Clinical Interests	Research Interests
Ajay Agarwal, MD Professor Associate Clerkship Director	Clinical and interventional cardiology	Coronary artery disease and risk factors Valvular heart disease Antiplatelet agents

Name and Academic Position	Clinical Interests	Research Interests
Alok Agrawal, MD Clinical Assistant Professor	Chronic Kidney Disease (CKD) Hypertension Electrolytes Acid-base disorders	
Sangeeta Agarwal, MD Professor Division Director – Gastroenterology Director – Gastroenterology Fellowship VAMC Chief, Gastroenterology Section	Esophageal motility disorders Barrett's esophagus and esophageal cancer Obesity related GI disorders GI Bleeding Hospital readmissions	Biomarkers of Barrett's and esophageal cancer Gut Microbiota GI diseases Colorectal cancer
Tiba Alwardi, MD Assistant Professor		
Mamle Anim, MD Associate Professor Vice Chair, Ambulatory Education Chief Medical Officer Five Rivers Health Center	Chronic disease health outcomes Sickle Cell Disease	Resident Education Sickle Cell Disease Patient Centered Medical Home
Rey Arcenas, MD Assistant Professor	Management of heart failure Pulmonary hypertension	Project improvement research
Karen Arkin, MD Assistant Professor	General Neurology	Clinical general neurology topics, esp. dementia and movement disorder, borderland of neurology and psychiatry
Steven Arkin, MD Assistant Professor	Vascular Neurology	Vascular Neurology
Catherine Bacheller, MD Assistant Professor		
Loveleen Bains, MD Assistant Professor	Ethics	Ethical decision making
Chris Barde, MD Clinical Professor		
Genevieve Bates, MD Assistant Professor		
Ronald Beaulieu, MD Assistant Professor	Preventative Medicine	Clinical informatics
Gregory Beck, MD Clinical Associate Professor		
Valerie Bedsole, MD Assistant Professor		
Sonia Bennett, MD	General Adult Endocrinology	

Name and Academic Position	Clinical Interests	Research Interests
<hr/>		
Assistant Professor		
<hr/>		
Catherine Blasser, DO		
<hr/>		
Assistant Professor		
<hr/>		
Michael Bonnet, PhD	Sleep Medicine	Sleep and sleep disorders
<hr/>		
Professor - Neurology	Orthopedic Infections	Interested in starting QI project at FRHC HIV clinic, topic of improving follow-up/show rates and/or patient satisfaction.
<hr/>		
Katelyn Booher, DO	HIV Management	Working on QI project to improve duration of antibiotic use for gram negative bacteremia, along w/ Dr. Tobias F2.
<hr/>		
Assistant Professor		
<hr/>		
Mark Boutros, MD		
<hr/>		
Assistant Professor		
<hr/>		
Dean Bricker, MD	Graduate medical education teaching and administration	Clinical research in internal medicine
<hr/>		
Associate Professor	Medical student teaching/mentoring	Medical App development
<hr/>		
Executive Vice-Chair	Curriculum development	Applications of Motivational interviewing
<hr/>		
Associate Program Director – Internal Medicine Residency	Faculty development	Global Medicine
<hr/>		
Leadership		Medical Missions
<hr/>		
Jordan Brooks, MD		
<hr/>		
Assistant Professor		
<hr/>		
Gregory Buchek, MD	Infectious Disease	MDRO
<hr/>		
Assistant Professor	Military Medicine	COVID-19
<hr/>		
Chief of Infectious Disease WPAFB		Infection Control
<hr/>		
Steven D. Burdette, MD	Orthopedic infections, infection in the ICU	Antimicrobial stewardship
<hr/>		
Professor		
<hr/>		
Chief of Infectious Diseases		
<hr/>		
Medical Director of ID for GMH and SOIN MC		
<hr/>		
Director of Antibiotic Stewardship MVH and Premier Health		
<hr/>		
Director of Infection Prevention MVH		
<hr/>		
Director of Infection Prevention OVSC		
<hr/>		
Brian Burke, MD		
<hr/>		
Assistant Professor		
<hr/>		
VAMC Chief, Diabetes Section		
<hr/>		
Lead Physician, Heart Failure Clinic VAMC		
<hr/>		
Kathryn Burtson, MD		
<hr/>		
Associate Professor		
<hr/>		
Associate Program Director		
<hr/>		
WPAFB Internal Medicine Residency Program		
<hr/>		
Director		

Name and Academic Position	Clinical Interests	Research Interests
Amandeep Chalal, MBBS Assistant Professor VAMC Acting Chief, Hospitalists		
Yanfang Chen, MD Associate Professor		
Esteban Cheng Ching, MD Assistant Professor Director of Vascular Neurology Fellowship Director of Stroke Program, outpatient div. Director of Telestroke program	Stroke Care Endovascular Interventions in Stroke Cerebrovascular Diseases Intracranial Aneurysms	Stroke Care Endovascular Interventions in Stroke Cerebrovascular Diseases Intracranial Aneurysms
Roberto Colón, MD Associate Professor	High Value Care Hospital Medicine	Academic support systems Electronic integration in medical care High Value Care Academic Medicine
Chad Connor, MD Assistant Professor WPAFB Chief of Cardiology	Pediatric and adult congenital arrhythmia management	Pediatric and adult arrhythmia management
Daniel Cybulski, MD Assistant Professor		
Eddie Davenport, MD Clinical Assistant Professor Chief of Cardiology and Flight Surgeon USAF Surgeon General Chief Consultant for Aerospace Cardiology	Occupational Cardiology in military aircrew	Cardiovascular risk prediction for astronaut selection and monitoring during prolonged spaceflight. Specific risk prediction needs of the astronaut population. ACLS program Director for USAF School Aerospace Medicine USAF Chief of Telecardiology
Richard Davis, MD Assistant Professor		
Freesia Dhingra MBBS Assistant Professor		
Sarah Dietz, MD Instructor		

Name and Academic Position	Clinical Interests	Research Interests
Doug Einstein, MD Clinical Associate Professor KMC Medical Director and Chairman of Radiation Oncology	Intensity Modulated Radiation therapy Gamma Knife Radiosurgery Stereotactic body Radiosurgery	Novel applications of intracranial and extracranial radiosurgery Neuro-Oncology Radiotherapeutics Functional imaging optimization in radiotherapy.
Jason Faber, MD Assistant Professor		
Ahmed Fathy, MBChB		
Adam Fershko, MD Assistant Professor		
Aven Ford, MD Assistant Professor WPMC Chief of Neurology Element	Neurology Headache medicine Procedural medicine Movement disorder	Non-pharmacologic treatments of headache
Caelan Ford, MD Assistant Professor Medical Director, WP Sleep Lab	Sleep Medicine Neurology	Shift work Circadian rhythm disruption Sleep deprivation (acute and chronic) and performance
Mark Friedman, DO Assistant Professor	Clinical Neuroendocrinology	Medical Education Research studies
Gordon Gataric, MD Assistant Professor		
David Geottman, MD Assistant Professor	General Internal Medicine Hospitalist Medicine	
Howard Gross, MD Clinical Professor Program Director Hematology/Oncology Fellowship	Cancer prevention and treatment	Phase II and III treatment trials for all types of solid tumors and hematological malignancies Prevention and cancer control trials
Ankur Gupta, MD Associate Professor Associate Clerkship Director & Associate Program Director Internal Medicine Residency Program VA Chief of Endocrinology VA Medical Director Simulation Center	Thyroid Adrenal Pituitary Bone Hormone	Thyroid Hormones Bone Diabetes

Name and Academic Position	Clinical Interests	Research Interests
VA Co-Director Advance Simulation Interprofessional Fellowship Program, VISN 10		
Gregory Haack, MD Assistant Professor	Allergy Atrial Fibrillation Mental retardation associated with Down Syndrome	Cost associated with specialty care-are the costs saved by having med-level providers in the primary care setting offset by the costs associated with increased specialty referrals.
Charles Hall, MD Assistant Professor		
Shailaja Hari, MBBS Assistant Professor		
Timothy Hauser, MD Assistant Professor WPAFB Chief of Pulmonary Medicine		
Robert Hawkins, MD Associate Professor		
H. Bradford Hawley Professor Emeritus	Adult infectious diseases Clinical microbiology Infection control	Antimicrobial susceptibility Epidemiology of infectious diseases
Thomas Herchline, MD Professor Public Health – Dayton & Montgomery County Tuberculosis Clinic	General Infectious Diseases Tuberculosis STD's HIV COVID-19	Public Health Global Health Immigrant and Refugee Health Epidemiology COVID-19
Leonard Horwitz, MD Assistant Professor	General Hematology Malignant Hematology Solid tumor oncology	ALCHEMIST trials Surgically resected early stage non-small cell lung cancer
Borislav Hristov, MD Assistant Professor WPAFB Radiation Oncology Chief	Oncology Radiation Oncology	Head and Neck cancer Radiobiology Radiation physics
John Hughes, MD Assistant Professor Director of Medical Education for Five Rivers Health Center		Medical Professionalism Quality of Telemedicine vs in-person visits
Yoichi Imamura, MD Assistant Professor		
Bradley Jacobs, MD Professor	Acute Stroke Management Stroke Prevention	Acute Stroke Management

Name and Academic Position	Clinical Interests	Research Interests
Professor -School of Graduate Studies Neurology Residency Program Director	Hypercoagulability	Stroke Prevention Stroke Biomarkers Nutrition
Martin Jacobs, MD Clinical Associate Professor	Thyroid Diseases Osteoporosis Oncologic, cardiac, and neurologic nuclear medicine	Novel PET tracers for tumor imaging
Sudha Jaganathan, MBBS Assistant Professor		
Timothy Janz, MD		
Damanjeet Kahlon, MBBS Assistant Professor		
Devin Kelly, DO Assistant Professor	MDRO Bone and joint infections	Infection Control Antimicrobial Stewardship
Richard Kim, MD Assistant Professor		
Matthew Koroscil, MD		
Thomas A. Koroscil, MD		
Thomas M. Koroscil, MD Associate Professor Division Director-Endocrinology	General adult endocrinology	Clinical projects related to my patient care
Padmini Krishnamurthy, MD Assistant Professor	Hepatology	Hepatocellular cancer Hepatitis C Cirrhosis Portal Hypertension
Geetika Kumar, MD Associate Professor VA Section Chief Hematology/Oncology H/Onc Fellowship Associate Prog. Director	Improve quality of care	Improve overall quality of cancer care
James Lamb, MD Associate Professor Associate Professor – Geriatrics Residency Program Directo	Graduate Medical Education Physical Examination Diagnostic Reasoning Doctor-Patient relationship Keeping up with medical literature Clinical decision making in the older patient	Graduate Medical Education Physical Examination Diagnostic reasoning Doctor-patient relationship Clinical decision making in the older patient
Bradley Lloyd, MD Professor		
Shachi Lovekar, MBBS Assistant Professor		
Brian Ludwig, MD Assistant Professor		

Name and Academic Position	Clinical Interests	Research Interests
Jerry Majers, DO Assistant Professor		
Albert Malcom, MD Assistant Professor		
Ronald Markert, PhD Professor Vice Chair for Research		Provide guidance with research designs and methods, statistical analysis, and abstract/manuscript preparation
Syed Masood, MBBS Assistant Professor		
Prem Mathai, MD Assistant Professor		
Luke McCoy, MD Assistant Professor Internal Medicine Clerkship Director	General Internal Medicine Hospital Medicine Cystic Fibrosis Care Endocrinology Global Health	Medical Education Cystic Fibrosis
Alyssa McManaman, MD Associate Professor		
Jennifer Mejilla, MD Instructor		
Luke Menner, MD Assistant Professor		
Kennon Miller, MD Assistant Professor		
Cassandra Milling, MD Assistant Professor Neurology Clerkship Director	Epilepsy, Sleep Medicine, General Neurology	Epilepsy (non-epileptic seizures, non-convulsive status, nocturnal seizures, the use of the sleep EEG in the pre-surgical evaluation of epilepsy).
Basanti Mukerji, MD Professor VAMC Chief of Rheumatology	Diagnosis and treatment of Rheumatologic diseases including Rheumatoid Arthritis, the HLA B 27 group of arthritis, Systemic Lupus Erythematosus, Sjogren's Syndrome, the Vasculitis Spectrum, Arthritis with viral and other infectious organisms, Osteoporosis	Association and prevalence of cardiovascular disease in patients with Rheumatoid Arthritis vs patients with Osteoarthritis
Vaskar Mukerji, MD Professor Division Director – Cardiology		

Name and Academic Position	Clinical Interests	Research Interests
Thomas Murphy, MD Assistant Professor		
Glen Nagasawa, MD Assistant Professor		
Selim Newaz, MD Assistant Professor		
Perry Nystrom, MD Associate Professor		
Thad Ocampo, MD Assistant Professor WPAFB Chief of Allergy-Immunology		
Amith Parekh, MBBS Assistant Professor		
Anal Parikh, MD Assistant Professor		
Chirag Patel, MD Clinical Assistant Professor WSU Hospice & Palliative Care Site Director		
Andrew Paulus, MD Assistant Professor WPAFB Director, Diabetes Care	General endocrinology Thyroid cancer Diabetes	Inpatient Diabetes
Daniel Pearson, MD Assistant Professor		
Barbara Phillips, MD Assistant Professor Director of EEG/Epilepsy at TCNI Medical Director of the Comprehensive Epilepsy Center of Dayton at Premier	Epilepsy and Neurodiagnostics- clinical	Epilepsy Intractable epilepsy Surgical treatment of epilepsy Women and epilepsy Electrophysiology
Hari Polenakovic, MD Professor MVH Medical Director for Epidemiology	Infection control and prevention/hospital acquired infections Device related infections Cystic fibrosis Pneumonia / Influenza	Hospital acquired infections Device related infections Cystic fibrosis Pneumonia Influenza
Ania Pollack, MD Associate Professor		
Kiran Poudel, MD Assistant Professor		
Rajan Prakash, MBBS Instructor		
Rebecca Ramirez, MD		

Name and Academic Position	Clinical Interests	Research Interests
<hr/>		
Assistant Professor		
Marc Raslich, MD Associate Professor Medical Director of the WrightCare acute medical clinic Medical Director, WSU Student Health	Primary care of both adults and children Acute care for adults and children	Incorporation of evidence-based medicine into clinical decision making – Diagnosis, Prognosis Clarification of sensible statistical methods for practicing physicians – interpretation of common statistical methods in medical literature
<hr/>		
Dara Regn, MD Assistant Professor WPMC Chief of Sleep Medicine Clinic WPMC Associate Director of Cardiopulmonary Technician Program		
<hr/>		
Marc Rich, MD Professor		
<hr/>		
Maritza Rivera, MD Clinical Assistant Professor		
<hr/>		
Martin Satter, PhD Associate Professor		
<hr/>		
Amy Schimke, MD Assistant Professor		
<hr/>		
Meike Schipper, MD Associate Professor		
<hr/>		
Lyndetta Schwartz, MD Clinical Associate Professor Associate Chair of Medicine		
<hr/>		
Joshua Scott, DO Assistant Professor WPMC Chief of Rheumatology	Rheumatoid arthritis Vasculitis Connective tissue associated lung disease	Rheumatologic associated pulmonary rehabilitation Comparative efficacy of DMARD therapy
<hr/>		
Pankaj Sharma, MD Assistant Professor		
<hr/>		
Bingzhi Shi, MD		
<hr/>		
Roger Shih, MD		
<hr/>		
John Shrader, MD Clinical Professor Director of Medical Education, KMC Associate Clerkship Director IM, WSUBSOM	Geriatrics (Board-certified)	
<hr/>		
Ryan Simon, MD Assistant Professor	Pediatric infectious diseases Adult cystic fibrosis General ID	
<hr/>		

Name and Academic Position	Clinical Interests	Research Interests
Disha Singla, MBBS Assistant Professor		
Michael Smith, MD Assistant Professor		
Robert T. Smith, MD Clinical Professor KMC Vice President Medical Affairs DIO of Kettering Health Network Chief Medical Officer for KMCS Vice President for CME for KHN	Wellbeing-have initiated wellbeing rounds. This is interdisciplinary with nursing, chaplains and medical staff. Focused on personal and clinical wellbeing of staff including physician, resident/fellows and students Bioethics	Wellness / well-being
Cynthia S. Solomon, BS Pharm, R Ph Clinical Associate Professor	Incorporating COVID-19 issues in tobacco control efforts. Establishing modified CV risk Cannabidiol (CBD) Diabetes-Cardiovascular best practice	Air pollution and smoking Diabetes and Smoking Smoking and COVID-19 Smoking and LONG COVID
Glen Solomon, MD Professor and Chair – IM and Neurology	Headache medicine	Medical professionalism Medical cannabis Headache medicine Tobacco cessation
Timothy Sorg, MD Associate Professor	Infectious Disease	Hospital regulatory and accreditation standards
Kerianne Springer, MD Assistant Professor Director of Ambulatory Medicine Director of Resident Wellness	Improving resident knowledge of outpatient topics & clinical skills Preparing residents for practice after residency Improving screening practices in the community through patient & resident education Transitioning special needs patients from pediatric to adult medicine	
Sangeeta Srivastava, MD Assistant Professor Assistant Chief, VA Medical Services		
Elizabeth Stewart, MD Assistant Professor		
Fadi Tayim, PhD Assistant Professor Director, CNSI Brain Mapping Center	Brain Mapping Neurology-Oncology Epilepsy Parkinson's	
John Terry, MD Associate Professor		

Name and Academic Position	Clinical Interests	Research Interests
Anju Venkatesh, MBBS Assistant Professor		
Abdul Wase, MD Clinical Professor		
Jon Williams, DO Assistant Professor	Autoimmune neurology Multiple Sclerosis Paraneoplastic disorders General neurology	Central inflammatory disorders, disease modules Central inflammatory disorders, epidemiological/clinical studies Neural stem cell biology Neuromyelitis Optica spectrum Neurosarcoid Neuro-oncology
Kelsey Wilson, DO Assistant Professor Core Faculty – CCC Chair Military Ambulatory Clinic Director WPAFB Staff Internal Medicine Physician WPAFB		
Paige Wood, MD Assistant Professor		
Roger Wood, MD Assistant Professor WPAFB Director, Cancer Care Center		
Burhan Yanes, MD Clinical Assistant Professor WSU Hematology/Oncology Site Director		
Jason Yap, MD Assistant Professor		

4 Teaching

Ajay Agarwal, MD

Medical Students:

- Third year Clerkship
- Subspecialty attending-Cardiology
- Bedside teaching
- Teaching in ambulatory settings
- Advisor for 3 students
- Teaching in small groups

Residents/Fellows

- Regularly taught residents and fellows during their rotations, involving them in research activities

Sangeeta Agrawal, MD

Graduate Student Education:

- Faculty member of graduate school and Biomedical Sciences Ph.D. Program
- Supervised thesis of a Ph.D. student Reilly Clark (thesis is now complete)

Medical Students:

- Subspecialty attending for Third year Clerkship
- Faculty sponsor for two medical student research posters

Residents/Fellows:

- Colon Polyps: NICE and Paris Classification, July 2021, GI Fellows' Conference
- Radiology - UGI, August 2021, GI Fellows' Conference
- Gastroparesis: Causes and treatment options, September 2021, GI Fellows' Conference
- Safety and Biologics, November 2021, GI Fellows; Conference

Karen Arkin, MD

Medical Students:

- 4th year medical students during morning report

Residents/Fellows:

- Consulting or attending general neurology-teaching interns in IM, psychiatry and neurology
- Attending neurology residents years 2-4

Steven Arkin, MD

Medical Students:

- Year 4 elective – Stroke service

Residents/Fellows:

- Morning report for Psychiatry residents, IM residents, and Neurology residents
- Teaching rounds on Neurology stroke service
- Resident Neurology noon conference on stroke service

Catherine Bacheller, MD

Residents/Fellows:

- Core faculty for Internal Medicine residency program

Sonia Bennett, MD, MPH

Medical Students

- Advisor for 2 Students

Residents/Fellows:

- Resident Endocrinology rotation (24 WSU IM, 9 KMC IM, 4 WSU FM, 1 GMC IM)
- Daily morning didactics
- Type 1 diabetes and CMG technologies (Noon conference)
- Hyperprolactinemia (Noon conference)
- Hypercortisolism (Noon conference)
- Hypothyroidism (Noon conference)
- Lipids and lipid lowering medications (Noon conference)

Katelyn Booher, MD

Medical Students:

- Year 4 ID elective faculty
- Year 3 ID Clerkship
- FRHC HIV outpatient clinic
- PI STIs (10/12/21)
- PI 25 GI infections (10/25/21)
- PI 27 LRTIs (5/11/21)
- Advisor for 2 students
- Faculty Panel for Boonshoft Student Interest Group, Internal Medicine (11/1/21)

Residents/Fellows:

- ID fellowship program director (1 – R4 & 1 – R5 ID Fellow)
- Surgical Critical Care fellow 4 week rotation (Samantha Lahey)

CME

- Led seminar for Compunet microbiology lab, review of 3 educational cases

Dean Bricker, MD

Medical Students:

- Ward attending/teaching – 3rd and 4th year medical students

Residents/Fellows:

- Ward attending/bedside teaching of IM residents
- Morning conference
- Attend/teach Noon Conferences, daily
- Facilitate small groups/team-based learning at resident forum weekly

Gregory Buchek, MD

Residents/Fellows:

- Supervised residents (IM wards attending and ID consultant rotation)

Steven Burdette, MD

Medical Students:

- 7/20/21 MSI BBP Orientation
- 12/4/21 MS III Clinical Medicine: Antibiotics Stewardship
- 1/25/22 MS 1 Host and Defense – Antibiotics 1
- 1/18/22 MS II Neuro Course – CNS Infections

Residents/Fellows:

- Fundamental Critical Care Support Sepsis Lecture 7/21/21, 8/21/21, 6/22
- Public Health Undergraduate course – COVID-19 and Public Health
- 10/25 UD PA Students: C diff, BBP, COVID, antibiotic overview
- 10/27 ED PA Lecture: UTI, Bacteremia, PNA
- 11/3 Surgical Grand Rounds: Infections in the Surgical World: 2021.
- Workers Compensation Law Update: Cincinnati Bar Association
- COVID-19 in the workplace: what you need to know
- December 3, 2021
- “UTI in Long Term Care and the use of beta lactams with Penicillin allergies.” The Ohio Society for Post-Acute and Long-Term Care Medicine. June, 2022.
- “Diagnosis and management of Clostridium difficile in long term care.” The Ohio Society for Post-Acute and Long-Term Care Medicine. February, 2022.

Webinars:

- ODH COVID Vaccination Press Conference
- COVID Update for August 2021” The Ohio Society for Post-Acute and Long-Term Care Medicine (OMDA). August 12, 2021.

Kathryn Burtson, MD

Medical Students:

- WSU Research Coordinator
- Matched medical students to local research projects
- Preceptor, Medical Services Unit
- Preceptor, Internal Medicine Clinic

Residents/Fellows:

- Graduate student education including thesis supervision
- Preceptor, Interservice PA Program
- Preceptor, UC Family Nurse Practitioner Program
- Curriculum development POCUS for Internal Medicine
- Flipped classroom in IM residency to train 170 IM residents 104 ABIM topics

- Chief Curriculum-created 12 monthly faculty development sessions for annual Chief Residents, APD's, PD, and Department Chair.

Esteban Cheng-Ching, MD

Residents/Fellows:

- Training Vascular Neurology Fellows

Evan Fisher, MD

Medical Students:

- Course on blood pressure, acid-base, electrolyte, and renal physiology

Residents/Fellows:

- Residency director of education in nephrology
- Nephrology clinical educator – Wright Patterson rotations
- Multiple lectures related to advanced blood pressure management adrenal physiology

Caelan Ford, MD

Medical Students:

- Preceptor for MS3 students on Neurology rotations at WPMC

Residents/Fellows:

- Preceptor for resident rotations in Sleep Medicine (USAF and WSU) at WPMC

Ankur Gupta, MD

Medical Students:

- Endocrine Course lecturer
- Associate Clerkship Director
- Endocrine rotation for medical students at VAMC and WSP endocrine clinic
- Advisor for medical students

Residents/Fellows:

- Noon conference lectures at VAMC
- Procedure workshop, Simulation Center at Dayton VAMC
- Advance Simulation Interprofessional Fellowship Program, VISN 10

Harrison Hawley, MD

- Infectious Disease Journal club monthly – fellows and faculty
- Infectious Disease Case Conference monthly-students, residents, fellows, and faculty

Thomas Herchline, MD

Medical Students:

- Foundations – Global Health Foundations Co-Director
- Foundations – Antibiotics 2 (Peer Instruction)
- Foundations – RBC Infections (Peer Instruction)
- Foundations – HIV (Peer Instruction)
- Foundations – Upper Respiratory Infections (Peer Instruction)
- Interprofessional Experience – Outbreak Experience Facilitator
- Faculty Mentor for Student Research
 - Ruth St Fort, Mobile Health interventions for improving HIV prevention among youth communities in Zimbabwe
 - Dawn Szeltner, Outcomes and risk factors for bradycardia in patients with COVID-19

Residents/Fellows:

- Attending for Fellow in Infectious Diseases Outpatient Clinic
- HIV Diagnosis and Treatment (Noon Conference)
- MDR Tuberculosis (ID Fellows Board Review)

John Hughes, MD

Medical Students:

- Supervise third year medical students during their time in clinic

Residents/Fellows:

- Supervise the residents in clinic
- Helped develop a research project, ongoing supervision
- Formed a weekly research team in which produced an abstract that was submitted to JAMA
- Supervise noon lectures at the clinic

Bradley Jacobs, MD

Medical Students:

- Neuroscience Clerkship (NRL-891) attending physician and preceptor for 3rd and 4th year medical students
- Weekly Neurology case conference
- Supervise Neurology noon conference
- Supervise Journal Club
- Supervise and organize Morning Report
- Supervise monthly Morbidity and Mortality conference
- Attending Physician for inpatient Stroke service at MVH, teaching 3rd year medical students
- Attending Physician for inpatient General Neurology admit service at MVH, teaching 3rd year medical students
- Attending Physician for Neurology Resident Continuity Clinic and Stroke Clinic, teaching 3rd and 4th year medical students

Residents/Fellows:

- Neurology Residency Program Director
- Weekly Neurology case conference
- Supervise Neurology noon conferences
- Supervise Journal Club
- Supervise monthly Morbidity and Mortality conference
- Supervise and organize Morning Report
- Coordination of internal medicine and psychiatry residents, and geriatric fellow Neurology rotations
- Attending Physician for inpatient Stroke services at MVH, teaching Neurology, Internal Medicine, and Psychiatry residents
- Attending Physician for inpatient General Neurology admit service at MVH, teaching Neurology residents
- Attending Physician supervising Neurology residents in Continuity Clinic and Stroke Clinic

Devin Kelly, DO

Residents/Fellows:

- Clinical supervision of 26 residents per year
- Infectious Disease lectures several times weekly

Geetika Kumar, MD

Medical Students:

- Students on Hematology/Oncology rotation

Residents/Fellows

- Residents on Hematology/Oncology rotation
- Fellows in Hematology/Oncology Fellowship
- Topic reviews for residents and fellows

James Lamb, MD

Medical Students:

- Preceptor on MVH Inpatient Services
- Preceptor in the Ambulatory Clinic
- Third Year Elective Rotation in Telemedicine
- Team-based learning Facilitator for 3rd year medical students
- Pilot program – “Chairman’s Rounds”

Residents/Fellows:

- Residency Program Director
- Preceptor on Inpatient Service
- Preceptor in the Ambulatory Clinic

Shachi Lovekar, MBBS

Residents/Fellows/Students:

- Resident lecture block at Dayton VAMC
 - 10/28/21 – hyponatremia
 - 11/10/21 – Secondary hypertension
- Preceptor on nephrology clinical rotations for residents and students

Ronald Markert, Ph.D.

Medical Students:

- Matching medical students with research mentors (faculty, fellows, residents)

Residents/Fellows:

- One-on-one planning meetings with IM and Neurology residents on scholarly activity and research studies
- Journal club for IM residents and fellows: assistance with critical appraisal
- Internal Medicine Chief Resident Forum – Academic Promotion: February 17, 2022
- Internal Medicine Resident Research Forum – Getting Started with Your Research: April 5, 2022

Luke McCoy, MD

Medical Students:

- Guest Faculty for Beginning to End Endocrine sessions
- Facilitator for Staying Alive, Beginning to End, and Balance Control and Repair Wright Q Sessions
- Coordination with Internal Medicine Interest Group
- Clerkship Director, Inpatient Attending
- Sub-internship Director, Inpatient Attending
- Director of 8499 Academic Medicine Internal Medicine
- Doctoring year Medicine electives Director, Ambulatory attending
- Faculty Sponsor for Maria Rehtin: Histoplasmosis Case Poster presentation at BSOM Medical Student Research Forum
- Fireside Chats in Internal Medicine – Residency application Dinner Series

Residents/Fellows:

- Core Faculty WSU IM residency
- Inpatient Attending on teaching teams
- Ambulatory Attending at resident clinic
- Noon conference – residents as teachers for Kettering IM residency

Cassandra Milling, MD

Medical Students:

- Didactics during Neurology Clerkship
- Precepting in Neurology clinic

Residents/Fellows:

- Precepting in Neurology clinic

Basanti Mukerji, MD

Optometry Students:

- Clinic rotation to see shared diseases and our treatment regimens

Residents/Fellows:

- Second and third year resident Rheumatology rotations
- Inpatient Rheumatology teaching
- Resident Board Review in Rheumatology
- Outpatient Rheumatology clinic
- Special injection clinics where residents learn to do joint injections
- Musculoskeletal Ultrasound

Vaskar Mukerji, MD

Medical Students:

- Foundations course for medical students – Cardiovascular segment
- Clinical rounds in cardiology with senior medical students
- Faculty sponsor for student research: Olivia Smith – Sedation and Anesthesia for cardiology procedures. Published.

Residents/Fellows:

- Clinical rounds in cardiology with internal medicine residents

Amith Parekh, MBBS

Residents/Fellows:

- Ward attending for Internal Medicine rotation

Barbara Phillips, MD

Medical Students:

- Helped teach the neuro exam
- Inpatient and Outpatient clinic – neurology and subspecialty epilepsy attending

Residents/Fellows:

- Inpatient – General Neurology attending
- Inpatient Epilepsy monitoring Unit attending – Clinical and EEG teaching

Nursing EEG Technologists:

- Teaching rounds through the year regarding epilepsy, inpatient care
- Review of EMU patients, follow up
- Review of technical issues, updates

John Shrader, MD

Medical Students:

- Outpatient teaching of MS 3 and MS 4 medical students
- Associate Clerkship Director for MS 3 medical students at KMC – includes 3-4 teaching sessions per month

Residents/Fellows:

- Program Director for the Transitional Year Residency Program and the Director of Medical Education at KMC
- Outpatient teaching of both TY and IM residents

Robert T. Smith, MD

Residents/Fellows:

- DIO / Kettering Health Network

Cynthia Solomon, BSP Pharm, RPh, FASCP, CTTS, NCTTP

Medical Students

- COVID-19 Education task force—7/01/2021 through 6/30/2022
- Facilitator, leader, mentor of task force, which includes some 10-12 med students (M1 through M4)—involved and supported med student participation
- Published covid-19 article in peer reviewed journal, overseeing writing by those students covering numerous covid-19 related topics
- Oversaw and facilitated two separate, distinct topical 3-hour active learning sessions with MS3 medical students (January 28, 2022 and May 13, 2022) utilizing different ms-3 members to teach topical covid—19 information, plus coordinated entire task force team for those sessions covering numerous covid-19 topics; I presented focused info on how one identifies and seeks accurate, credible source info on covid-19, and discussed specific drug related and FDA specific info on the subject.
- Sought and coordinated community outreach for the task force, including med student participants as we did outdoor events at 2nd street market, at festivals, and at skating rinks, to meet the public and answer questions of the community and medical people.

- Oversaw and coordinated the toolkit development for ongoing reference use for covid-19 task force and involved med student coordination in this effort: “Tools for Identifying Resources and Facts”
- Oversaw and coordinated med student presentations in covid-19 effort in order that accurate and factual information was to be disseminated, reviewed presentations with students prior to their presentations, including post-presentation evaluations
- Developed cases for motivational interviewing in covid-19 presentation (May 2022)
- Med student programming—two 3-hour sessions of active doctoring on COVID-19: developed programming with med students—January and May 2022

Residents/Fellows:

- Resident Education—COVID-19 program with Resident House Staff Organization at Miami Valley Hospital (Zoom)
- Harnessing the Enthusiasm of Learners—a Symposium of COVID19 vaccines, 9-30-2021
- Evidence Based Tobacco Treatment – two separate topical discussions regarding tobacco cessation and treatment for noon lectures at Miami Valley Hospital with IM residents and medical students on rotation, with faculty
- Ongoing tobacco prevention and treatment work—with goal of faculty development programming for proficiency in tobacco treatment for all department clinicians
- Medical Marijuana and Cancer—Noon conference with residents

Glen Solomon, MD

Residents/Fellows:

- Precept residents in outpatient headache clinic
- Precept residents at Five Rivers FQHC resident clinic
- COVID-19 Journal Club

Continuing Medical Education

Grand Rounds / Symposiums / CME / Webinars

Sangeeta Agrawal, MD

- Grand Rounds - “AI in GI”, Jan. 2021, Dayton VA Medical Center

Katelyn Booher, DO

- Led seminar for Compunet microbiology lab, review of three educational cases.

Steven Burdette, MD

- Lectures-Medical Students
 - 7/20/21 MSI BBP Orientation

- 12/4/21 MS III Clinical Medicine: Antibiotics Stewardship
- 1/25/22 MS 1 Host and Defense – Antibiotics 1
- 1/18/22 MS II Neuro Course – CNS Infections
- Lectures-Residents/Fellows
- Lectures-
 - - Fundamental Critical Care Support Sepsis Lecture 7/21/21, 8/21/21, 6/22
 - - Public Health Undergraduate course – COVID-19 and Public Health
 - - 10/25 UD PA Students: C diff, BBP, COVID, antibiotic overview
 - - 10/27 ED PA Lecture: UTI, Bacteremia, PNA
 - - 11/3 Surgical Grand Rounds: Infections in the Surgical World: 2021.
 - - Workers Compensation Law Update: Cincinnati Bar Association
 - - COVID-19 in the workplace: what you need to know
 - - December 3, 2021
 - - “UTI in Long Term Care and the use of beta lactams with Penicillin allergies.” The Ohio Society for Post-Acute and Long-Term Care Medicine. June, 2022.
 - - “Diagnosis and management of Clostridium difficile in long term care.” The Ohio Society for Post-Acute and Long-Term Care Medicine. February, 2022.
- Webinars:
 - - ODH COVID Vaccination Press Conference
 - - “COVID Update for August 2021” The Ohio Society for Post-Acute and Long-Term Care Medicine (OMDA). August 12, 2021.

Harrison Hawley, MD

- Infectious Disease Case Conference monthly – students, residents, fellows, and faculty

Bradley Jacobs, MD

- CME – Physician Course Chair for Neurology Grand Rounds
- CME – Physician Course Chair for Neurology Case conference

Shachi Lovekar, MBBS

- Grand Rounds – AKI in COVID-19-emerging paradigms , Dec. 17, 2021

Luke McCoy, MD

- Writing equitable narrative comments – delivered at MVH-open to hospitalists and resident faculty, as well as residents
- Telemedicine-updates in 2022-delivered at MVH-open to all IM faculty

Basanti Mukerji, MD

- Presented Grand Rounds-Update on Rheumatoid Arthritis

Cynthia Solomon, BSPHarm, RPh, FASCP, CTTS, NCTTP

- Resident Education—COVID-19 program with Resident House Staff Organization at Miami Valley Hospital (Zoom)
- Harnessing the Enthusiasm of Learners—a Symposium of COVID19 vaccines, 9-30-2021
- Evidence Based Tobacco Treatment – two separate topical discussions regarding tobacco cessation and treatment for noon lectures at Miami Valley Hospital with IM residents and medical students on rotation, with faculty
- Ongoing tobacco prevention and treatment work—with goal of faculty development programming for proficiency in tobacco treatment for all department clinicians

- Medical Marijuana and Cancer—Noon conference with residents

5 Scholarly Activity

Funded grants

Dean Bricker, MD

- Co-Principal Investigator, Ohio Department of Higher Education, Ohio Third Frontier, \$442,741 “PRESTO (Promoting Engagement for Safe Tapering of Opioids) FY 2019-22
- Co-investigator, Ohio MEDTAPP “Diabetes Consortium” FY 2021-2022

Thomas Herchline, MD

- A Master Protocol Assessing the Safety, Tolerability and Efficacy of Anti-spike (S) SARS-COV-2 Monoclonal Antibodies for the Treatment of Hospitalized Patients with COVID-19, 2020-2021
- A Master Protocol Assessing the Safety, Tolerability and Efficacy of Anti-spike (S) SARS-COV-2 Monoclonal Antibodies for the Treatment of Ambulatory Patients COVID-19, 2020-2022
- A Phase 2 Study to Assess the Virologic Efficacy of REGN10933+REGN10987 Across Different Dose Regimens in Outpatients with SARS-CoV-2 Infection, 2020-2021
- A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study to Evaluate the Safety, Tolerability, Virologic and Clinical Efficacy of REGN14256+Imdevimab for the Treatment of COVID-19 Patients Without Risk Factors for Progression to Severe Disease, 2021-2022
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Anti-Spike SARS-COV-2 Monoclonal Antibodies as Prophylaxis to Prevent COVID-19 in Immunocompromised Participants, 2021-2022.

Ronald Markert, PhD

- Ohio Cardiovascular Health Collaborative (CARDIO-OH): member of Data and Evaluation Team
- Ohio Diabetes Consortium: member of Data and Evaluation Team

Luke McCoy, MD

- Program for Adult Care Excellence – funded grant through CF Foundation

Robert T. Smith, MD

- HRSA funded grant

Cynthia Solomon, BSPHarm, RPh, FASCP, CTTS, NCTTP

- MedTAPP Diabetes-Cardiovascular Best Practices funded by Ohio Dept Health
- Serving as tobacco consultant/Registered Pharmacist consultant—
- Developing significant educational programming for primary care clinicians in IM (trainees, faculty, staff to proficiently provide evidence-based tobacco treatment services in an ambulatory clinic –FQHC)
- Wrote, revised and rehearsed for recording, the official CARDIOH tobacco podcast for the state of Ohio and seven medical schools, offering individual schools our expertise in tobacco treatment
- Developed tobacco treatment resource list and toolkit for referencing podcast and linking clinicians to data
- Designed educational packet on tobacco billing for proficiency sessions
- Developing Modified CV Risk Committee within the department, including med students, to do community outreach –including BP checks, BS checks, and education on BMI issues, cholesterol issues, and diabetes prevention
- Diabetes and Smoking
- Dietary Supplements and Diabetes – consultant to adherence committee report CARDIOH
- Smoking and COVID-19

Glen Solomon, MD

- MEDTAPP Cardiovascular Disease Cardiovascular Best Practices Network Collaborative. Site Co-PI. 2017-22. Funded by the Ohio Department of Health.

Publications

Journals

Periprocedural antiplatelet management in cardiac patients undergoing dental extraction: A case report and review of literature. *Advances in oral and maxillofacial surgery*. 5 (Jan 2022)100245.

Hussain W, Aurand W, Onuorah N, Krstevski G, Markert R, Springer K, Agrawal S. Improving Fecal Immunochemical Testing Rates for Colon Cancer Screening in the Outpatient Setting. *Southern Medical Journal* Feb 2021; Volume 114, Number 2:77-80. PMID: 33537787

Reddy N, Odish F, Agrawal S. Macro-Aspartate Aminotransferase: A benign cause of Abnormal Laboratory Findings. *Cureus* 14(4): e23841.DOI 10.7759/cureus.23841

Ekanayake L, Ahmad A, Weyer N, Agrawal S. An Unusual presentation of Crohn's' Disease and Primary Sclerosing Cholangitis. *Cureus* 14(3): e22797. doi:10.7759/cureus.22797

Ailawadi S, Cheema B, Salahuddin S, Agrawal S. A Rare Case of Gastrointestinal Amyloidosis Presenting as Dysphagia. *Cureus* 14(2): e22085. DOI 10.7759/cureus.22085

Arif M, Agrawal S. Air-Fluid Level in the Right Hemithorax: A Case Hard to Stomach. *Gastroenterology* (2021), doi: <https://doi.org/10.1053/j.gastro.2021.11.027>.

Bickford B W, Bennett S, Markert R J (March 14, 2022) Not Your Typical Bisphosphonate Intolerance: A Case of Unusual Bone Pain With Low Alkaline Phosphatase. *Cureus* 14(3): e23163. doi:10.7759/cureus.23163

Kleppel H, Herman D, Booher K. "Mycobacterium bovis Reactivation: A Bladder Backfire." Manuscript number: IDCP-22-148.

Hershberger PJ, Pei Y, Bricker DA, Crawford TN, Shivakumar A, Vasoya M, Medaramitta R, Rehtin M, Bositty A, and Wilson JF. Advancing motivational interviewing training with artificial intelligence: ReadMI. *Advances in Medical Education and Practice* 2021; 12: 613-618.

Castle A, Rehtin M, Shivakumar A, Pei Y, Conway K, Bricker D, Hershberger P. Using Artificial Intelligence to Assist in Motivational Interviewing Training. Virtual poster presented at the 2022 Society of Teachers of Family Medicine Conference on Medical Student Education, virtual, January 2022.

Anderson M, Bricker D, Crawford T, Castle A, & Hershberger P. Examining Opioid Prescribing Differences Among Male and Female Clinicians Pre and Post PRESTO Training. Annual BSOM Research Symposium, Dayton, OH, April 2022.

Bullock JD, Warwar RE, Hawley HB. Recurrent fevers and neuro-ophthalmic disorders in a mathematical genius. *Neuro-Ophthalmology* 45(2):131-138, 2021.

Chang JC, Hawley HB. Vaccine-associated thrombocytopenia and thrombosis: venous endotheliopathy leading to venous combined micro-macrothrombosis. *Medicina* 57:1163(1-16), 2021.

Wei A, Markert RJ, Connelly C, Polenakovic H. Reduction of central line-associated bloodstream infections in a large acute care hospital in Midwest United States following implementation of a comprehensive central line insertion and maintenance bundle. *Journal of Infection Prevention* 22: 186-193, 2021.

VanDerVeer S, Markert RJ, Bickford B, Yuhas J, Pikman P, Wall T, Burtson K. Increasing exercise adherence among elderly patients with chronic disease in primary care: a prospective cohort study. *BMC Geriatrics* 21:616, 2021.

Lantz R, Young S, Lubov J, Ahmed A, Markert RJ, Sadhu S. Self- vs provider-referral differences for coronary artery calcium testing. *American Heart Journal Plus: Cardiology Research and Practice* 13: January 2022; doi.org/10.1016/j.ahjo.2022.100088.

Kim H, Markert RJ, Burtson K. Battlefield acupuncture appears to be an effective therapy for pain management. *Acupuncture in Medicine* 40: 43-49, 2022.

Elliott BP, Tang M, Madden J, Markert RJ, Burdette S, Pleiman C, Speelman EC. A retrospective cohort study assessing acute kidney injury and renal recovery among septic patients empirically treated with vancomycin piperacillin-tazobactam versus vancomycin cefepime. *Internal and Emergency Medicine* 17: 91-99, 2022.

Massoud M, Markert RJ, Dizmang J, Scott J, Burtson K. Examining the initial prescription leading to long-term opioid use at a military medical treatment facility. *Journal of Opioid Management* 18: 27-31, 2022.

Bickford B, Bennett S, Markert RJ. Not your typical bisphosphonate intolerance: a case of unusual bone pain with low alkaline phosphatase. *Cureus* 2022; 14(3): e23163. doi:10.7759/cureus.23163

Platko S, Bensabeur F, Rotsching N, Wagner J, Markert RJ, Terry J, Cheng-Ching E. Intravenous thrombolysis prior to mechanical thrombectomy does not affect clinical or procedural outcomes in patients with large vessel occlusion acute ischemic stroke. *Journal of Clinical Neuroscience* 100: 120-123, 2022.

Walusimbi M, Dossa A, Faryar K, Markert RJ, McCarthy M. Upper extremity deep venous thrombosis risk factors, associated morbidity and mortality in trauma patients. *World Journal of Surgery* 46: 561-567, 2022.

Karr E, Chung T, Burtson K, Markert RJ, Kelly D. Bamlanivimab use in a military treatment facility. *Military Medicine* May 16 2021 doi: 10.1093/milmed/usab188. online ahead of print.

Theis S, Li P, Kelly D, Ocampo T, Berglund A, Morgan D, Markert RJ, Fisher E, Burtson K. Perceptions and concerns regarding COVID-19 vaccination in a military base population. *Military Medicine* June 12 2021 doi: 10.1093/milmed/usab230. online ahead of print.

Dollin Y, Elliott B, Markert RJ, Koroscil M. Outcomes of heated high flow nasal cannula in patients with severe or life-threatening COVID-19 at a military treatment facility – a retrospective cohort study. *Military Medicine* September 04 2021 doi: 10.1093/milmed/usab378. online ahead of print.

Li P, Theis S, Kelly D, Ocampo T, Berglund A, Morgan D, Markert RJ, Fisher E, Burtson K. Impact of an education intervention on COVID-19 vaccine hesitancy in a military base population. *Military Medicine* 2021 September 24; doi: 10.1093/milmed/usab363. online ahead of print.

Bahar C, Markert RJ, Triplett D, Krishnamurthy P. Direct-acting antiviral agents improve fibrosis in US veterans with chronic hepatitis C. *Cureus* 2022; e doi:10.7759/cureus.

Dollin Y, Elliott B, Markert RJ, Morman A, Koroscil M. Intensivist-driven ventilator management shortens duration of mechanical ventilation in coronary artery bypass graft surgery patients. *Journal of Intensive Care Medicine* doi.org/10.1177/08850666221109181; published June 16, 2022.

Glendening J, Bickford B, Markert RJ, Yuhas J, Berglund A, Kelly D, Scott J, Burtson K. Addressing persistent vaccine hesitancy in a military community through a physician-led intervention. *Military Medicine* 2022 June 28 2022; usac176. doi: 10.1093/milmed/usac176. online ahead of print.

Bickford B, Berglund A, Markert RJ, Polenakovic H. Whistling scrotum: an unusual presentation of pneumomediastinum in the setting of an open scrotal wound. *American Journal of Case Reports* 2022; 23: e936441. doi: 10.12659/AJCR.936441.

Zingas N, Tollefson J, Mukerji B, Mukerji V: Hot tub syncope – Uncommon but not always harmless. *Annals of Cardiology and Vascular Medicine*. 2020; 3(1): 1025.

Cha D, Wang F, Mukerji B, Mukerji V: Statin induced necrotizing autoimmune myositis – Diagnosis and management. *Cureus*. 2021; 12(3) e13787. DOI 10.7759/cureus.13787.

Soofi M, Alpert MA, Barbadora J, Mukerji B, Mukerji V: Human laterality disorders: Pathogenesis, clinical manifestations, diagnosis and management. *American Journal of Medical Sciences*. 2021.

Valencia D, Smith O, Amen M, High E. Mukerji V: Sedation and Anesthesia for Cardiology Procedures. *Ann Anesth Pain Med*. 2021; 4(2): 1024.

Solomon CS, Solomon GD. CGRP Antagonists: What is their role in headache therapy? PRIMARY CARE REPORTS, 2022; 28 (3);25-35.

Solomon CS, SOLOMON GD, WSU-BSOM COVID 19 Task Force. Answering Patient Questions about COVID-19, PRIMARY CARE REPORTS—(on June 30, 2022—in press).

Fact Sheet: covid-19 and vaccines October 2021

Covid-19 Boosters in Adults and Primary Vaccinations in Kids 5-17

Our Mission Work- Helping to Rid the Country and World of COVID-19

The Flu: Achoo and WHEW!

Expanding the use of Medical Marijuana in Ohio- Letter to Editor Columbus Dispatch 11-14-21

Martin VT, Feoktistov A, Solomon GD: A rational approach to migraine diagnosis and management in primary care. Annals of Medicine, 53:1, 1979-1990. October 2021. DOI: <https://doi.org/10.1080/07853890.2021.1995626>

Books, chapters, reviews

Steven Burdette, MD

- Journal Reviewer for CID, IDCP, JAMA

H. Bradford Hawley, MD

-Reviewer for Annals of Internal Medicine manuscripts (2)

Thomas Herchline, MD

-Herchline T. Bacterial Vaginosis Empiric Therapy. Medscape Drugs & Diseases. Updated August 18, 2021. Available at <http://emedicine.medscape.com/article/1966944-overview>.

-Herchline T. Cervicitis Therapy. Medscape Drugs & Diseases. Updated February 22, 2022. Available at: <http://emedicine.medscape.com/article/1978003-overview>.

-Herchline TE. Staphylococcal infections. Medscape Drugs & Diseases. Updated March 9, 2022. Available at: <http://emedicine.medscape.com/article/228816-overview>.

-Herchline T, Brenner BE, Curtis DL, et al. Cellulitis. Medscape Drugs & Diseases. Updated April 26, 2022. Available at: <http://emedicine.medscape.com/article/214222-overview>.

Ronald Markert, PhD

Reviewer for Academic Journals and Professional Associations

- JAMA
- Academic Medicine
- Journal of Graduate Medical Education
- American Educational Research Association
- Association of American Medical Colleges
- Ohio American College of Physicians

Basanti Mukerji, MD

Reviewer

- Southern Medical Journal
- American Journal of Medical Genetics
- Cleveland Clinic Journal of Medicine
- Annals of Internal Medicine
- Cureus

Cynthia Solomon, BSPHarm, RPh, FASCP, CTTS, NCTTP

Peer Reviewed articles:

-Solomon CS, Solomon GD. CGRP Antagonists: What is their role in headache therapy? PRIMARY CARE REPORTS, 2022; 28 (3);25-35.

-Solomon CS, SOLOMON GD, WSU-BSOM COVID 19 Task Force. Answering Patient Questions about COVID-19, PRIMARY CARE REPORTS—(on June 30, 2022—in press).

Glen D. Solomon, MD

Reviewer for:

- Open Access Journal of Clinical Trials (Dove Press)
- BioMed Research International
- Journal of Family Medicine and Disease Prevention
- Neurology and Neurosurgery (Medpress)

Published abstracts

Patel A, Agarwal A. Right bundle branch block with severe right precordial ST segment depression: STEMI or NSTEMI. J Am Coll Cardiol 2022, 79(9), Suppl A, 2989. Presented at the ACC 71st Annual Scientific Session, April 2-4, 2022, Washington, D.C.

Soofi M, Garg S, Markert R, Agarwal A. ASCVD Score may not predict coronary artery disease risk in US Veterans. J Am Coll Cardiol 2022, 79(9), Suppl A, 1651. Presented at the ACC 71st Annual Scientific Session, April 2-4, 2022, Washington, D.C.

Patel A, Valencia D, Agarwal A. Trading one extreme for another: Iatrogenic severe mitral stenosis after Mitra clip. *J Am Coll Cardiol* 2022, 79(9), Suppl A, 3261. Presented at the ACC 71st Annual Scientific Session, April 2-4, 2022, Washington, D.C.

Lantz R, Agarwal A. A review of amiodarone side effects in a cohort of patients: A quality improvement project. *Chest* Vol 160(4), suppl Oct 2021, A 1414. Presented at the annual CHEST meeting Oct 17-20, 2021, <https://doi.org/10.1016/j.chest.2021.07.1293>

Patel A, Agarwal A. Intermittent Wolff-Parkinson-White syndrome: A case report with literature review. *Chest* vol 160(4), suppl Oct 2021, A 126. Presented at the annual CHEST meeting Oct 17-20, 2021.

Odish F, Reddy N, Agrawal S. Acute Gastroparesis and Colonic Dysmotility in the Setting of COVID-19. *ACG* October 2021.

Ahmad A, Markert M, Agrawal S. Severity of Gastrointestinal Bleeding in Obese vs. Non-obese veterans taking Direct Oral Anticoagulants. *ACG* October 2021

Vu L, Reddy N, Agrawal S. Nontender legal tender: Domestic Coins as Foreign Bodies. *ACG* October 2021

Ahmad A, Casaccio C, Peck A, Markert R, Agrawal S. Incidence of Major Gastrointestinal Bleeding in Obese VS. Non obese Veterans Taking Apixaban. *DDW*, San Diego May 2022.

Pak K, Bryant Le, Krishnamurthy P, Agrawal S. Large Retrospective Study of Abdominal CT Imaging in the Emergency Department- Indications and Outcomes. *AMA* October 2021

National: Castle A, Rehtin M, Shivakumar A, Pei Y, Conway K, Bricker D, Hershberger P. Using Artificial Intelligence to Assist in Motivational Interviewing Training. Virtual poster presented at the 2022 Society of Teachers of Family Medicine Conference on Medical Student Education, virtual, January 2022.

Local: Anderson M, Bricker D, Crawford T, Castle A, & Hershberger P. Examining Opioid Prescribing Differences Among Male and Female Clinicians Pre and Post PRESTO Training. Annual BSOM Research Symposium, Dayton, OH, April 2022.

Use of Cefotetan for prevention of orthopedic open fractures. Mid-American Orthopedic Association. Garrhett V, Brueggeman D, Murray A, Froehle A, Burdette S, Prayson M.

A retrospective cohort study assessing acute kidney injury and renal recovery among septic patients empirically treated with vancomycin piperacillin-tazobactam versus vancomycin cefepime. Elliott BP, Tang MM, Madden JA, Markert RJ, Burdette SD, Pleiman CM, Speelman EC. *Intern Emerg Med*. 2022 Jan;17(1):91-99. PMID: 34089468

Markert RJ, Agrawal S. Severity of gastrointestinal bleeding in obese vs. non-obese veterans taking direct oral anticoagulants. *American Journal of Gastroenterology*. 2021; 116 (October Supplement): S310.

Markert RJ, Agrawal S. Improving Hepatitis C screening at resident clinic – a quality improvement project. *American Journal of Gastroenterology*. 2021; 116 (October Supplement): S1394.

Garg S, Soofi M, **Markert RJ**, Agarwal A. Relationship between coronary artery disease and atrial fibrillation in US veterans. *American College of Cardiology*. Atlanta, GA, May 2021. *Journal of the American College of Cardiology* 2021; 77 (Supplement 1): 196.

Soofi M, Garg S, **Markert RJ**, Agarwal A. US veterans require more aggressive LDL reduction than the general population for secondary prevention of atherosclerotic disease. American College of Cardiology. Atlanta, GA, May 2021. Journal of the American College of Cardiology 2021; 77 (Supplement 1): 1620.

Garg S, Soofi M, Stewart C, **Markert RJ**, Agarwal A. Red blood cell distribution width remains an independent predictor for mortality in high-risk US veterans. American College of Cardiology. Atlanta, GA, May 2021. Journal of the American College of Cardiology 77 2021; (Supplement 1): 1625.

Soofi M, Garg S, **Markert RJ**, Agarwal A. US veterans require more aggressive LDL goals for primary prevention of atherosclerotic disease than the general population. American College of Cardiology. Atlanta, GA, May 2021. Journal of the American College of Cardiology 2021; 77 (Supplement 1): 1660.

Lantz R, **Markert RJ**, Agarwal A. A review of amiodarone side effects in a cohort of patients: a quality improvement project. American College of Chest Physicians. Orlando, FL, October 2021. CHEST 2021; 160 (4).

Lantz R, Young S, Lubov J, Ahmed A, **Markert RJ**, Sadhu S. Risk factors and differences between provider-referred and self-initiated groups during a coronary artery calcium community initiative. American College of Chest Physicians. Orlando, FL, October 2021. American Heart Association, Boston, November 2021. CHEST 2021; 160 (4).

Ahmad A, **Markert RJ**, Agrawal S. Severity of gastrointestinal bleeding in obese vs. non-obese veterans taking direct oral anticoagulants. American College of Gastroenterology. Las Vegas, October 2021. Journal of Gastroenterology 2021; 116: s310.

Ahmad A, **Markert RJ**, Mossad D, Krishnamurthy P. Predictors of in-hospital mortality in acute colonic diverticulitis. American College of Gastroenterology. Las Vegas, October 2021. American Journal of Gastroenterology 2021; 116: s569.

Papers submitted/near submitted for publication

Cook S, Gin L, Taylor A, **Markert RJ**, Hughes J. Point-of-care hemoglobin A1c margin of error alters resident management of type 2 diabetes when near glycemic target. Journal of Primary Care Diabetes (submitted April 5, 2022)

Gutierrez M, Wilson K, Bickford B, Yuhas J, **Markert RJ**, Burtson K. Novel in-training evaluation report in an internal medicine residency program: improving the quality of the narrative assessment. Journal of Medical Education and Curricular Development (submitted May 9, 2022)

Dollin Y, Elliott B, **Markert RJ**, Morman A, Koroscil M. Intensivist-driven ventilator management shortens duration of mechanical ventilation in coronary artery bypass graft surgery patients. Journal of Intensive Care Medicine (revisions resubmitted June 03, 2022)

Blackmore J, Walk C, **Markert RJ**, Rodriguez J. Effect of endoscopic radial artery harvest on grip and pinch strength. Annals of Thoracic Surgery (submitted June 13, 2022)

Elliott B, Berglund A, **Markert RJ**, Burtson K. implementation and evaluation of a longitudinal flipped-classroom point-of-care ultrasound curriculum at an Internal Medicine residency program. Journal of Medical Education and Curricular Development (submitted July 19, 2022)

Venkatesh S, Hughes J, **Markert RJ**. Adherence to cancer screening with use of telemedicine in the COVID-19 era: a retrospective chart review. (near submission)

McCoy L, **Markert RJ**, Thoms E, Noall O, Anderson J, Burtson K. In-training and certifying examination scores for the flipped classroom in an internal medicine residency. Journal of Graduate Medical Education (near submission)

Cushman P, Scheuller S, Cushman J, **Markert RJ**. Improving performance on night shift: a study of sleep transition strategies. Sleep Medicine (near submission)

Bickford B, Yuhas J, **Markert RJ**, Burtson K. Perceptions of Rolling Pearls. (near submission)

Bickford B, Yuhas J, **Markert RJ**, Burtson K. Impact of Rolling Pearls. (near submission)

Wang F, Mukerji B, Markert R, Mukerji V: Cardiovascular disease among patients with rheumatoid arthritis compared with those with osteoarthritis. *Annals of Rheumatic Diseases*. 2020, 79 (Suppl 1) 925-926; DOI:10.1136/annrheumdis-2020eular.473

Mukerji B, Wang F, Markert R, Mukerji V: Unusually high prevalence of atrial fibrillation in patients with rheumatoid arthritis. *Annals of Rheumatic Diseases*. 2021; 80 (Supp 1): 486. DOI 10.1136/annrheumdis-2021-eular.243.

Significant presentations

Odish F, Reddy N, Agrawal S. Acute Gastroparesis and Colonic Dysmotility in the Setting of COVID-19. ACG October 2021.

Ahmad A, Markert M, Agrawal S. Severity of Gastrointestinal Bleeding in Obese vs. Non-obese veterans taking Direct Oral Anticoagulants. ACG October 2021

Vu L, Reddy N, Agrawal S. Nontender legal tender: Domestic Coins as Foreign Bodies. ACG October 2021

Ahmad A, Krstevski G, Gin L, Markert R, Burdette S, Agrawal S. Liver function tests on admission in hospitalized COVID-19 patients and their prognostic value. Ohio GI Society (OGS) Annual Meeting, Columbus, Sept 2021.

Ahmad A, Casaccio C, Peck A, Markert R, Agrawal S. Incidence of Major Gastrointestinal Bleeding in Obese VS. Non obese Veterans Taking Apixaban. DDW, San Diego May 2022.

Pak K, Bryant Le, Krishnamurthy P, Agrawal S. Large Retrospective Study of Abdominal CT Imaging in the Emergency Department- Indications and Outcomes. AMA October 2021.

Pak K, Bryant Le, Krishnamurthy P, Agrawal S. Large Retrospective Study of Abdominal CT Imaging in the Emergency Department- Indications and Outcomes. 13th Annual BSOM Medical Student Research Symposium. April 26, 2021. Oral Presentation

Buerschen E, Booher, K. Ohio's first documented case of suspected Hantavirus pulmonary syndrome. Accepted for poster presentation at ACP Ohio / Air Force Chapter Meeting (Oct 2022), Emily Buerschen to present.

Cushman P, Scheuller S, **Markert RJ**. Improving performance on night shift: a study of sleep transition strategies. US Army/US Air Force/US Navy Tri-Service Meeting/American College of Physicians, September 2021. *First Place Winner for Clinical Research*. American College of Physicians. Chicago, April 2022. *National ACP Poster First Place Winner*.

Ahmad A, Pak K, Le B, **Markert RJ**, Krishnamurthy P, Agrawal S. Abnormal vital signs and lab values significantly increase the incidence of acute findings on abdominal CT scans and may help reduce the use of abdominal CT scans in the emergency department. American College of Physicians. Chicago, April 2022. *National ACP Podium Presentation First Place Winner*.

Gutierrez M, Wilson K, Bickford B, Yuhas J, **Markert RJ**, Burtson K. Novel in-training evaluation report in an internal medicine residency program: improving the quality of the narrative assessment. US Army/US Air Force/US Navy Tri-service Meeting/American College of Physicians, September 2021. *First Place Winner for Quality Improvement*. Association of Military Surgeons of the United States. National Harbor, MD, February 2022. American College of Physicians. Chicago, April 2022.

Li P, Theis S, Kelly D, Ocampo T, Berglund A, Morgan D, **Markert RJ**, Fisher E, Burtson K. Impact of an education intervention on COVID-19 vaccine hesitancy in a military base population. Virginia Wood Resident Research Forum. Military Health System Research Symposium, Kissimmee, FL, August 2021.

Karr E, Chung T, Burtson K, **Markert RJ**, Kelly D. Bamlanivimab use in a military treatment facility. Military Health System Research Symposium, Kissimmee, FL, August 2021.

Elliott B, Berglund A, **Markert RJ**, Burtson K. Implementation of an internal medicine point-of-care ultrasound curriculum is associated with improved resident confidence and changes in clinical management. US Army/US Air Force/US Navy Tri-Service Meeting/American College of Physicians, September 2021 (virtual).

Ahmad A, Krstevski G, Gin L, **Markert RJ**, Burdette S, Agrawal S. Liver function tests in patients admitted for COVID-19. Ohio Gastroenterology Society. Columbus, Ohio, September 2021.

Krstevski G, Ahmad A, Gin L, **Markert RJ**, Burdette S. BMI and outcomes in COVID-19. Ohio American College of Physicians, Columbus, Ohio October 2021.

Young H, Elliott B, **Markert RJ**, Speelmon E. A retrospective cohort study assessing respiratory outcomes in patients with sepsis secondary to pneumonia that achieved 30 cc/kg fluid goals. Hospital Medicine Symposium. Ohio State University, Columbus, Ohio, October 2021.

Cook S, Gin L, Taylor A, **Markert RJ**, Hughes J. The effect of point-of-care A1c margin of error on type 2 diabetes management decisions in resident clinics. American Medical Association Research Challenge (virtual), October 2021.

Yuhus J, Gutierrez M, Wilson K, Bickford B, **Markert RJ**, Burtson K. Novel in-training evaluation report: improving the quality of narrative assessments. Association of Military Surgeons of the United States. National Harbor, MD, February 2022.

Soofi M, Garg S, **Markert RJ**, Agarwal A. ASCVD score may not predict coronary artery disease risk in US veterans. American College of Cardiology. Washington, DC, April 2022.

Platko S, Bensabeur F, Ugur U, **Markert RJ**, Peters D, Terry J, Cheng-Ching E. Initial experience with tenecteplase as the intravenous thrombolytic of choice before mechanical thrombectomy for large vessel occlusion acute ischemic stroke. American Academy of Neurology. Seattle, April 2022.

Hudson E, Mazurkivich S, **Markert RJ**, Wilson K. Fall reduction in an outpatient internal medicine clinic. Society of General Internal Medicine. Orlando FL, April 2022.

Dollin Y, Elliott B, **Markert RJ**, Koroscil M. Intensivist-driven ventilator management shortens duration of mechanical ventilation in coronary artery bypass graft surgery patients. Dayton Area Graduate Medical Education Community Virginia C. Wood Resident Research Forum. Dayton, April 2022.

Elliott B, Berglund A, **Markert RJ**, Burtson K. Implementation and evaluation of a longitudinal flipped-classroom point-of-care ultrasound curriculum at an internal medicine residency program. Society of General Internal Medicine. Orlando, FL, April 2022.

Ahmad A, **Markert RJ**, et al. Incidence of major gastrointestinal bleeding in obese vs. non-obese veterans taking apixaban. Digestive Disease Week. San Diego, CA, May 2022.

Elliott B, Elliott L, Dupre A, **Markert RJ**, Burtson K. Confidence and utilization are poorly associated with point-of-care ultrasound competency among Air Force internal medicine trainees. Military Health System Research Symposium. September 2022.

Ekanayake L, Ailawadi S, Cheema B, **Markert RJ**, Krishnamurthy P. Identifying barriers to COVID-19 vaccination in US veterans who have inflammatory bowel disease. American College of Gastroenterology. Charlotte, NC, October 2022.

1.

Cardiovascular Disease among patients with Rheumatoid Arthritis Compared with Those with Osteoarthritis. Fan Wang, Basanti Mukerji, Ronald Markert, Vaskar Mukerji. Presented at European League of Association in Rheumatism at Frankfort by Dr Basanti Mukerji June 5, 2020.

Unusually high prevalence of atrial fibrillation in patients with rheumatoid arthritis. Mukerji B, Wang F, Markert R, Mukerji V: Presented by B. Mukerji at the Annual Meeting of the European Alliance of Associations for Rheumatology in Paris on June 5, 2021.

Relapsing Granulomatosis with Polyangiitis Associated with Chronic Fungal Sinusitis. Samuel Cook DO, Fan Wang APRN, Basanti Mukerji MD which won the first prize at the conference.

Progressive Systemic Sclerosis with Severe Gastrointestinal Manifestations. Poster presentation. Huda J Khanzada MD, Fan Wang APRN, Basanti Mukerji MD.

Arevalo E, Perry S, Beleny D, Valencia D, Mukerji V: Double QRS complex or something else? Presented at DAGMEC 2022

Bioethics Consortium – resource allocation during pandemic, May 2022, Robert T. Smith, MD

Research Submitted for Presentation:

Elliott B, Dollin Y, Young H, **Markert RJ**, Koroscil M. A retrospective safety analysis of intubations patients with COVID-19 by resident versus attending physicians. CHEST. Nashville, TN, October 2022.

Casaccio C, Ahmad A, Peck A, **Markert RJ**, Krishnamurthy P. Relationship of decrease in hemoglobin on initial monitoring to the incidence of major gastrointestinal bleeding. American College of Gastroenterology. Charlotte, NC, October 2022.

Casaccio C, Ahmad A, Peck A, **Markert RJ**, Krishnamurthy P. Incidence of major gastrointestinal bleeding for early versus late hemoglobin monitoring in veterans taking apixaban. American College of Gastroenterology. Charlotte, NC, October 2022.

Ahmad A, **Markert RJ**, et al. Eliquis vs. Xarelto: gastrointestinal bleeding. American College of Gastroenterology. Charlotte, NC, October 2022.

Ahmad A, Casaccio C, et al. 5th abstract. American College of Gastroenterology. Charlotte, NC, October 2022.

Blackmore J, Walk C, **Markert RJ**, Rodriguez J. Effect of endoscopic radial artery harvest on grip and pinch strength. Southern Thoracic Surgical Association. Fort Lauderdale, FL, November 2022. Society of Thoracic Surgery. San Diego, January 2023.

McCoy L, Thoms E, Noall O, **Markert RJ**, Burtson K. Curriculum changes in an internal medicine residency program. Meeting to be determined.

Casaccio C, Ahmad A, Peck A, **Markert RJ**, Krishnamurthy P. Retrospective study to evaluate hospitalization rates due to gastrointestinal bleeding with respect to early vs. late monitoring of hemoglobin after starting NOACs. Meeting to be determined.

Consultantships

Steven Burdette, MD

- Life Connections of Ohio
- Roche Diagnostics
- UD COVID Response Medical Panel

Ronald Markert, PhD

- Review and professional editing of personal statements and curricula vitae: faculty seeking academic promotion and residents seeking fellowships
- Writing letters of support: faculty seeking academic promotion and residents seeking fellowships
- Mentoring selected faculty on academic careers
- Dayton Area Graduate Medical Education Community Committee for Resident/Fellow Research Grants

Research Consultations

- Soofi, Garg, Lantz, Agarwal: continued studies from VAMC CAD database

- Platko, Cheng-Ching, Bensabeur: acute ischemic stroke secondary to LVO: outcome assessment in patients with acute ischemic stroke treated with IV tPA, TNK, and/or mechanical thrombectomy
- Cook, Hughes: Does margin of error of a point-of-contact HbA1c test affect a resident's decision making?
- Gin, Triplett: endoscopy review of food impaction and eosinophilic esophagitis
- Burtson, Fisher: novel individualized learning plan approach utilizing SMART goals can improve residency-wide standardized scores
- Burdette, Krstevski, Herchline, Colon, Steele, Korosciil Matt, Fisher: CoVID-19 Premier 5000 patients
- Lantz, Young, Lubov (MS), Ahmed, Sadhu, Chandra: identifying risk factors for coronary artery disease in a coronary artery calcium patient- and self-referral groups
- Venkatesh, Hughes: quality of face-to-face encounters with telemedicine encounters at Five Rivers Health Clinic
- Krstevski, Gin, Ahmad, Burdette: Are age, gender, race, Charlson Comorbidity Index, and BMI risk factors for mortality, level of oxygenation required and hospital length of stay in COVID-19 patients?
- Wang: influenza vaccination rates at Five Rivers Health Center
- Dollin, Elliott: nasal cannula/ventilator study in COVID-19 patients
- Hitchcock (MS4), Gupta: thyroid nodule study
- Li, Kelly: perioperative antimicrobial timing and choice
- Young, Patel, Ahmad, Otchere, Adekoya, Hahn: development of cardiac risk prediction model in patients with HER 2+ breast cancer on trastuzumab therapy
- Bickford: QI at WPAFB on shorter course of penicillin
- Bickford: disease-modifying anti-rheumatic drugs in patients with active infection
- Bickford: converting attendings' qualitative comments on residents to a quantitative scale
- Burtson, Gutierrez, Wilson, Bickford, Yuhas: Novel in-training evaluation report in an internal medicine residency program: improving the quality of the narrative assessment
- Cushman, Schueller: improving performance on night shift: a study of sleep transition strategies
- Elliott, Young (MS): subgroup analysis of vancomycin and cefepime versus vancomycin and piperacillin-tazobactam study
- Hughes: professionalism among Internal Medicine residents
- Chung: Redivus - clinical decision support during ACLS
- Ahmad Ammar: liver function and mortality in COVID-19 patients
- Dinh, Ahmad, Mossad: predictors of dysphasia and eosinophilic esophagitis (food bolus impaction)
- LaFond, Mott, Wong, Tchorz, Trick, Gupta, Lee, Siripavaket, Darden: recorded simulation vs. direct participation: outcomes in interprofessional training on chest tube management for non-surgical staff
- Glendening, Burtson: study of COVID-19 vaccination resistant population at WPAFB
- Soofi and Garg: ASCVD as a predictor of coronary artery disease in veterans
- VanDerVeer: 5 cases of new-onset rheumatologic disease following vaccination for COVID-19 - letter-to-the editor and case series
- Ammar Ahmad: quality improvement study for Hepatitis C screening
- Ekanayake, Triplett, Ahmad, Agrawal: prevalence of liver related outcomes in patients with non-alcoholic steatohepatitis (NASH) who underwent bariatric surgery
- Ekanayake, Cheema, Krishnamurthy: COVID-19 vaccination rates in veterans who have underlying ulcerative colitis or Crohn's disease
- Elliott, Berglund, Burtson: implementation of an Internal Medicine point-of-care ultrasound curriculum is associated with improved resident confidence and changes in patient management
- McCoy, Burtson, Thoms, Noall: curriculum changes in an internal medicine residency program

- Shadmand: neurogenic orthostatic hypotension frequency as fall etiology in Dayton VA Community Living Center
- Shadmand, Papaly, Mehdirad: long-term likelihood of patients with stress cardiomyopathy to develop CHF, arrhythmia, HTN, syncope, and CAD in comparison to general population
- Ahmad: gastrointestinal bleeding and obesity
- Hudson, Mazurkivich, Wilson, Burgess: quality improvement project – falls
- Ahmad: LV score and CT result
- Yuhas: efficacy of knowledge retention of “morning pearls
- Ekanayake, Ailawadi, Triplett, Ahmad, Agrawal, Krishnamurthy: prevalence of liver-related outcomes: bariatric surgery vs. NASH patients with no bariatric surgery
- Casaccio, Ahmad, Krishnamurthy: retrospective study to evaluate hospitalization rates due to gastrointestinal bleeding with respect to early vs. late monitoring of hemoglobin after starting NOACs
- Mullen, Burtson, Burke, Paulus, Kluesner, Wall: glycemic profiles of twice daily and split dose use of insulin glargine U-100 in Type 2 diabetics
- Smith: survey of mental health characteristics among Wright State University internal medicine residents
- Dollin, Elliott, Koroscil M: Do CABG patients who have critical care doctors manage the ventilator immediately after surgery have better outcomes?
- Dollin, Koroscil, Elliott, Berglundaj, Nobile, Kobzik, Chambers, Lindner, Buerschen: Vasopressor utilization to support mean arterial pressure during rapid sequence intubation: a clinical trial
- Elliott, Dollin: endotracheal intubation success rates and patient outcomes for patients with COVID-19 who were intubated by internal medicine resident physicians versus attending physicians
- Hussain, Arif, Herstine, Ahmad, Manzanillo, Krishnamurthy: Identifying quality improvement targets to facilitate COVID-19 vaccination in patients with cirrhosis

Other recognition

Ajay Agarwal, MD

- Elected to WSUBSOM AOA Honor Medical Society (April 2022)

Sangeeta Agrawal, MD

- **Editorial board of “Journal of Gastric Disorders and Therapy”**
- **Reviewer for “World Journal of Gastroenterology” and “Consultant”**

Steven Burdette, MD

Editorial Activity

- Hamessing the Power of Health Systems and Networks for Antimicrobial Stewardship

Advisory Boards

- Shionogi

Thomas Herchline, MD

Editorial Activity

- Reviewer for Infection Control and Hospital Epidemiology
- Reviewer for Antimicrobial Stewardship and Healthcare Epidemiology
- Reviewer for Infectious Diseases in Clinical Practice
- Reviewer for American Journal of Infectious Diseases and Microbiology
- Chief Editor for 66 articles, Medscape Drugs & Diseases

- Contributing Editor for 9 articles, Medscape Drugs & Diseases
- Managing Editor for Bacterial Sepsis, Medscape Drugs & Diseases

Ronald Markert, PhD

Case Reports, posters, review articles

Brubaker, Casaccio, Brazeau: recurrence of autoimmune hepatitis after coronavirus 2019 (COVID-19) vaccination

Arif, Agrawal: air fluid level in the right hemithorax: a case hard to stomach

Arif: portal vein obstruction due to tumor invasion is a rare manifestation of ascites

VanDerVeer, Maier, Hill: Rheum-CoV-2 vaccination case series

Ekanayake, Kumar, Vanderburg, Hussain, Agrawal: signet cell esophageal adenocarcinoma in the proximal segment with metastasis presenting as skip lesions

Ekanayake, Pickett, Meyer, Chatterjee: atrial fibrillation and pulmonary embolism – a case report of saddle embolus in a hemodynamically stable patient

Ekanayake, Ahmad, Weyer, Agrawal: Crohn's Disease and primary sclerosing cholangitis: a unique presentation in a healthy female

Ekanayake, Hussain, Agrawal: not your average cancer: skip lesions associated with signet ring cell esophageal adenocarcinoma representative of poor outcomes

Buerschen, Zingas, Nardy: a rare complication of IVC filter retrieval precipitating cardiac arrest

Buerschen: myxedema coma requiring intubation

Buerschen: sarcoidosis flare compressing phrenic nerve leading to respiratory failure

Buerschen: chronic pancreatitis leading to acute onset DKA

6 Summary of Service Activities

Student advising

Sangeeta Agrawal, MD

Mamle Anim, MD

Sonia Bennett, MD

Dean Bricker, MD

Steven Burdette, MD

Roberto Colon, MD

Douglas Einstein, MD

Ankur Gupta, MD

Thomas Herchline, MD

John Hughes, MD

Bradley Jacobs, MD

James Lamb, MD

Cassandra Milling, MD

Irina Overman, MD

Hari Polenakovik, MD
Marc Raslich, MD
Ryan Simon, MD
Cynthia Solomon, BSPHarm, RPh
Glen Solomon, MD

Resident Advising

Mamle Anim, MD
Katelyn Booher, MD
Dean Bricker, MD
Steven Burdette, MD
David Geottman, MD
Ankur Gupta, MD
Evan Fisher, MD
Borislav Hristov, MD
John Hughes, MD
Bradley Jacobs, MD
Devin Kelly, DO
James Lamb, MD
David Lindholm, MD
Luke McCoy, MD
Irina Overman, MD
Barbara Phillips, MD
Hari Polenakovik, MD
Marc Raslich, MD
Mohammad Saklayan, MD

Committee membership/officer

Wright State University Boonshoft School of Medicine

Sangeeta Agrawal, MD

- Graduate Medical Education Committee
- Department of Medicine Medical Executive Committee
- Faculty Promotions and Advancement Committee

Dean Bricker, MD

- Department of Medicine, Medical Executive Committee
- WSUBSOM CME Committee

- WSU BSOM By Laws Committee
- WSU BSOM Designated Institution Official Search Committee

H. Bradford Hawley, MD

- WSUDIM COVID-19 Task Force

Thomas Herchline, MD

- Honor Code Council
- Global Health Education Advisory Board
- Institutional Review Board (Chair)

Bradley Jacobs, MD

- Neurology Medical Student Clerkship Steering Committee
- Wright State University and Premier Health Neuroscience Institute Research Committee
- Neurology Residency Clinical Competency Committee
- Neurology Residency Program Evaluation Committee (Chair)
- Wright State University Graduate Medical Education Committee
- Wright State University Student Promotions Committee

Luke McCoy, MD

- Chair of BSOM Student Promotions Committee
- Member of BSOM Doctoring Committee
- WSU IM residency Clinical Competence Committee
- WSU IM residency Program Leadership Committee
- Medical Executive Committee

Robert T. Smith, MD

- WSUBSOM Executive Committee

Cynthia Solomon, RPh

- Medical Marijuana Task Force – Chair

Glen Solomon, MD

- Executive Committee
- Chairperson, Department of Surgery Chair Search Committee

Wright State University

Sangeeta Agrawal, MD

- Department of Medicine Medical Executive Committee
- Faculty Promotions and Advancement Committee

Katelyn Booher, MD

- Chair ID Fellow CCC / PEC Committee

Gregory Buchek, MD

- Clinical Competency Committee (WSU IM Residency)

Ankur Gupta, MD

- IM Clerkship Committee
- IM Residency Clinical Competency Committee

- IM Residency Program Evaluation Committee

Thomas Herchline, MD

- Admissions Committee

James Lamb, MD

- Clinical Competency Committee
- Program Evaluation Committee

Ronald Markert, MD

- Faculty Advancement and Promotion Committee (Chair)
- Clerkship Steering Committee
- Medical Executive Committee

Wright State Physicians

Glen Solomon, MD

- Board of Directors

Bradley Jacobs, MD

- Finance Committee

Hospital or affiliated institution

Ajay Agarwal

- Radiation Safety Committee

Sangeeta Agrawal, MD

- Dayton VA Medical Center Research and Development Committee

Catherine Bacheller, MD

- Kettering Health Network/Kettering Medical Center
 - IPC Committee at KMC, Sycamore, Troy Hospital – Chair
 - GVH, SVH, Infection Prevention and Control Committee – Chair
 - KHN Antimicrobial Stewardship Program Committee
 - KHN Quality Improvement Committee
 - COVID-19 Planning Committee

Katelyn Booher, MD

- Member, Premier Health Antibiotic Subcommittee

Dean Bricker, MD

- Miami Valley Hospital Directors of Education

Steven Burdette, MD

- Ohio Valley Surgical Center
 - Medical Director of ID
- Miami Valley Hospital
 - IC
 - ASP

- PHP
 - MMT
 - Antibiotic Subcommittee
- County
 - Medical Director Greene County Tuberculosis Clinic, Greene County Combined Health District

Caelan Ford, MD

- Wright Patterson Medical Center
 - Chair, Ethics Function

Thomas Herchline, MD

- University of Dayton
 - COVID-19 Medical Advisory Committee

John Hughes, MD

- Five Rivers Health Center
 - Credentials Committee, ongoing appointment

Bradley Jacobs, MD

- Premier Health
 - Stroke Team
- Miami Valley Hospital
 - Medical Education Program Directors

John Shrader, MD

- Kettering Medical Center/Kettering Health Network
 - KMC and KHN GMEC
 - Transitional Year Program Evaluation Committee (Chair)
 - KMC Clinical Competence Committee
 - KMC CME Advisory Committee
 - KMC Library Committee

Robert T. Smith, MD

- Kettering Medical Center/Kettering Health Network
 - GMEC

Cynthia Solomon, RPh

Establishing modified CV Risk Committee within Dept. of IM/Neurology State

Ajay Agarwal, MD

- VISN 10 Anticoagulation community of practice

Sangeeta Agrawal, MD

- Ohio Gastroenterology Society (OGS) Vice President

Katelyn Booher, MD

- IDSO membership

Dean Bricker, MD

- Ohio ACP Governor's Advisory Council
- Member Ohio Chapter ACP

H. Bradford Hawley, MD

- American College of Physicians (Ohio Chapter) Awards Committee

John Hughes, MD

- HTN QI Project/Diabetes QI Project State Committee

Glen Solomon, MD

- Ohio ACP
- Governor's Advisory Committee

National / International

Sangeeta Agrawal, MD

- ACG Women in Gastroenterology Committee
- AGA (American Gastroenterological Association) Political Action Committee Board of Advisors
- ACG (American College of Gastroenterology) Minority Affairs and Cultural Diversity Committee

Dean Bricker, MD

- Volunteer medical missions trip to Ghana, Africa February 2022

Steven Burdette, MD

- Infectious Diseases Society of America Centers of Excellence Committee (Chair)
- Lead for CDC/IDSA RTI Pathway development

Bradley Jacobs, MD

- American Academy of Neurology Stroke and Vascular Neurology Section

Other

Dean Bricker, MD

- Deacon Patterson Park Church, Beavercreek

Kathryn Burtson, MD

- Department of Medicine Education Committee, Chair, 2016-present
- Wright State University Director of Curriculum, 2016-present
- Clinical Competency Committee, 2016-present
- Program Evaluation Committee, 2016-present
- ACLS Program Director Wright Patterson AFB, 2016-present

Caelan Ford, MD

- Member, American Academy of Neurology Topic Working group for General Neurology programming at annual meeting

Ankur Gupta, MD

- Endocrine Society (member)
- American Association of Clinical Endocrinologist (AACE) member
- Board of Directors: Board of Director on Ohio River Region Society of Endocrinology (ORRSE)

Ronald Markert, PhD

- Consultant to Dayton Area Graduate Medical Education Community Committee for Resident/Fellow Research Grants

Cynthia Solomon, RPh

- ASSOCIATE EDITOR, Association for Professionalism in Health Care, Professional Formation Newsletter, through 2-2022
- HPIO (Health Policy Institute of Ohio) 2023 Health Value Dashboard Advisory Board Member, appointed June 2022
- WSU-BSOM COVID-19 Educational Task Force, Community Leadership
- WSU-BSOM Medical Marijuana Task FORCE-Chair and facilitator

Kelsey Wilson, DO

- Clinical Competency Committee Chair, 2020-present
- Ambulatory Clinic Director, 2020-present
- USU Medical Student Preceptor, 2020 -present
- USU Medical Student Internal Medicine Coordinator, 2020-present
- PA Student Internal Medicine Coordinator, 2021-present
- Program Evaluation Committee, 2020-present

7

Patient Care Summary

Karen Arkin, MD

- General Neurology for inpatients and call duties

Steven Arkin, MD

- Stroke neurology for inpatient and outpatients
- On-call duties
- Telestroke medicine

Catherine Bacheller, MD

- Daily Infectious Disease care
- Weekly outpatient care

Sonia Bennett, MD

- Wright State Physicians Endocrine Clinic, 5678 Far Hills Ave, Dayton, OH
- General Adult Endocrinology

Dean Bricker, MD

- Wright State Physicians, Internal Medicine Clinic at 5678 Far Hills Ave., Kettering
- Added new clinic site: Wright State Physicians, IM at 725 University Blvd., Fairborn OH 45324
- Ward Attending Miami Valley Hospital: Aug 2021, Dec 2021, Jan 2022, Mar 2022, Jun 2022

- Clinic preceptor for residents, Five Rivers Health Center: 2 half days per week, July 2021-June 2022

Caelan Ford, MD

- Full time FTE seeing Sleep Medicine and Neurology inpatients and outpatients at Wright Patterson Medical Center

David Geottman, MD

- Outpatient IM clinic at WPMC
- Resident preceptor IM clinic at WPMC
- Inpatient IM ward attending at WPMC
- Contract employee, Premier Health, Hospitalist

Ankur Gupta, MD

- Endocrine clinic at Dayton VAMC and Wright State Physicians

Thomas Herchline, MD

- HIV Primary Care Clinic, Five Rivers Health Center

Bradley Jacobs, MD

- Attending Inpatient Vascular Neurology
- Attending Inpatient General Neurology Admit Service
- Attending Outpatient General Neurology and Vascular Neurology
- Attending Neurology Resident Continuity Clinic

Devin Kelly, DO

- Inpatient and outpatient infectious disease consultation
- Continuity care for HIV, HCV, HBV, and other chronic infections
- Manages LTBI and bloodborne pathogen exposures
- Inpatient consultation for bone and joint infections, bloodstream infections, multi-drug resistant organisms, fever of unknown origin, and other infections
- MVH inpatient infectious diseases consultant with WSP

James Lamb, MD

- Miami Valley Hospital Inpatient Staff Attending
- Wright State Physicians Internal Medicine Clinic
- Five Rivers Ambulatory Health Center Preceptor
- Wright State Physicians Geriatrics Clinic

David Lindholm, MD

- Infectious Disease Consultant, WPMC
- Infectious Disease Clinic, WPMC, Staff Physician
- Internal Medicine Clinic, WPMC, preceptor
- Internal Medicine Wards, WPMC, attending

Luke McCoy, MD

- Inpatient Medicine – 12 weeks per year
- Ambulatory Attending – 5 half days per month
- WSU IM faculty practice – 7 half days per month
- FRHC private clinic – 2 half days per month
- Adult Cystic Fibrosis Clinic – 4 half days per month

Cassandra Milling

- Inpatient Admit Service Attending Physician Miami Valley Hospital

- EEG/EMU Service Attending Physician Miami Valley Hospital
- Clinical Neuroscience Institute outpatient care

John Shrader, MD

- Outpatient Internal Medicine precepting at the Sycamore Primary Care Center until Spring (due to COVID-19); restarted precepting summer of 2022

Robert T. Smith, MD

- Preceptor SPCG
- Preceptor KHN residents
- Preceptor WSU residents
- Medical students

Glen Solomon, MD

- Headache Clinic at Wright State Physicians

Kerianne Springer, MD

- Private clinic patients at Wright State Physicians
- Preceptor at Five Rivers IM Resident Clinic

8

Honors and awards

Ajay Agarwal, MD

- Elected to the Ohio Chapter of the American College of Cardiology – ACC Board of Trustees for a two-year term
- Selected as member of the Board of Directors in the Ohio Association of Rheumatology

Glen Solomon, MD

- Dayton Magazine Best Doctors

9

Hosted events

Faculty Development Workshops: presented various times throughout the year

- The goal is to enhance faculty knowledge and skills to further the clinical, professional, and scholarly development of learners at all levels of medical education.

ID Case Conference: presented monthly

- The goal is to improve clinical knowledge and skills for evaluation and management of Infectious Disease problems or Infectious Disease mimickers at all levels of medical education.

Neurology Grand Rounds

- Monthly presentation of neurological topics of educational and clinical importance to faculty and residents. Presenters include current residents, faculty, and topic experts from around the region.

10

Other information

Steven Burdette, MD

- TV Interview WFTS-TV Tampa-St. Petersburg (Sarasota) ABC Florida
Columbus Radio Group's "Perspective" Columbus News & Public Affairs – 4 affiliates
Ohio

Thomas Herchline, MD

- Interviewer for WSU BSOM Medical School Applicants