



Department of Internal Medicine and Neurology
Annual Report
July 1, 2020 – June 30, 2021

Glen D. Solomon, MD, MACP
Professor and Chair

1

Statement from the Chair/Associate Dean

For the Department of Internal Medicine and Neurology, 2020-21 was a challenging and exceptional year. Despite the COVID-19 pandemic and its effect on all aspects of life, we have continued to excel at our three key missions – teaching, patient care, and scholarly activity.

To deal with ongoing fiscal issues in our outpatient practices, we have downsized our General Internal Medicine faculty practice into a smaller space shared with Endocrinology. To replace a faculty member who left the Department, we hired an additional Chief Resident to provide inpatient care and resident precepting. We hired an additional full-time Endocrinologist (Dr Bennett) in July 2020 to expand our practice.

The Department has undergone a significant transition in administrative personnel. Donna Carpenter has retired after 25+ years as Administrative Assistant to the Chair. Her duties have been taken over by Kelly Reo. Melissa McCartan, the clerkship coordinator for both Internal Medicine and Neurology clerkship programs left in mid-March 2021. Her replacement, Taunia Robinson, joined us in April 2021.

Academically, the Department continues to be successful. A somewhat smaller cohort of Boonshoft School of Medicine students applied for residencies in Internal Medicine and Neurology in 2020. Our students' scores on their Step 2 examinations reflect the strong teaching in the clerkships. Our IM and Neurology residencies had high board pass rates and strong In-Training Examination scores. The residency match went well for both residencies.

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. Recognition of the faculty grew with

presentations at major regional, national, and international meetings. Several residents had submissions at chapter meetings of the American College of Physicians and other specialty societies, with several residents earning awards for their work.

Dr. Bricker, Paul Hershberger, and their research team were awarded an NIH R21 award for their research project on motivational interviewing.

We had increased funded research activity within the Department through statewide cardiovascular disease and diabetes best practices collaboratives (MEDTAPP).

Coronavirus pandemic: The impact of the coronavirus pandemic on the Department of Medicine has been mixed. Hospital census was low throughout 2020, impacting our inpatient revenue.

The shift from face-to-face patient visits to telehealth has hurt outpatient revenue. Income from Infectious Diseases consultations has been significantly higher.

Drs. Evan Fisher and Matthew Koroscil developed a COVID-19 convalescent plasma protocol for the Dayton community that received national recognition. Our faculty members, Drs. Burdette, Colon, and Solomon are routinely quoted in the local newspapers and television news for their expertise in COVID-19.

The Department established a COVID-19 Vaccine Task Force which developed a very successful virtual symposium in January 2021. Speakers included the Governor of Ohio, Mayor of Dayton, Dean of BSOM, and clinical experts. The task force has developed a web presence on the BSOM webpage with regular updates on the COVID vaccines.

2021 marks my fourteenth year as Chair of the Department of Internal Medicine. I have been blessed to lead a group of superb clinician-educators. Together we have accomplished a great deal, but we still have much to do to improve the health and quality of life of our patients and our community.

Department of Medicine Awards:

James Lamb, MD – Teaching Excellence at Miami Valley Hospital

Glen Solomon, MD – The Program Director’s Award for Excellence

Glen Solomon, MD – Awarded Fellowship in the Royal College of Physicians (London)

–A. Robert Davies Award presented to continuing IM medical student – Joshua Perrin

– Malcolm A. Block Award presented to incoming IM medical student – Hillary Kleppel

Chairman’s Award for Excellence: Chief Residents 2020-21: Drs. Sara Yacyshyn, Cody Weaver, Nina Mathew, Swapnil Garg, Jessica John, and Damien Morgan

The Charles E. Payne, Jr., MD Award – Muhammad Soofi, MD

The Dr. Barrett Bolton Award for Humanism – Muhammad Soofi MD

The Good Heart Award (In Memory of Dr. Mukul Chandra) – Muhammad Soofi, MD

Best Teaching Resident – Dan Dekoski, MD

2020-2021 Teaching Excellence at the WPAFB Medical Center – Kathryn Burtson, MD

2020-2021 Ambulatory Award for Teaching Excellence – John Hughes, MD

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--- |
| Internal Medicine Residency Program | James Lamb, MD | September 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 | 8/1/2020 |
| Division of Cardiology | Vaskar Mukerji, MD | August 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 | Evan Fisher, MD | July 1, 2019--- |
| Division of Nuclear Medicine | | |

| Name of Division or Program | Director | Dates |
|-----------------------------------------------------|------------------|--------------|
| 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 |
| 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 |

| Name and Academic Position | Clinical Interests | Research Interests |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 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 | | |
| Kate Berenson, MD Assistant Professor | | |
| Catherine Blasser, DO Assistant Professor | | |
| Michael Bonnet, PhD Professor - Neurology | Sleep Medicine | Sleep and Sleep Disorders |
| Katelyn Booher, DO Assistant Professor | General ID, medical education of fellows | Working on manuscripts regarding bovine TB from BCG and rat bite fever in pregnancy |
| Mark Boutros, MD Assistant Professor | | |
| Dean Bricker, MD Associate Professor Executive Vice-Chair Associate Program Director – Internal Medicine Residency | Graduate medical education teaching and administration Medical student teaching/mentoring Curriculum development Faculty development Leadership | Clinical research in internal medicine Medical App development Applications of Motivational interviewing Global Medicine |
| Jordan Brooks, MD Assistant Professor | | |
| Gregory Buchek, MD Assistant Professor Chief of Infectious Disease WPAFB | Infectious Disease Military Medicine | MDRO COVID-19 Infection Control |
| Steven D. Burdette, MD Professor Chief of Infectious Diseases Medical Director of ID for GMH and SOIN | COVID-19 Orthopedic infections Antibiotic stewardship Infection prevention | Antimicrobial stewardship COVID-19 |

| Name and Academic Position | Clinical Interests | Research Interests |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>MC Director of Antibiotic Stewardship MVH and Premier Health Director of Infection Prevention MVH Director of Infection Prevention OVSC</p> | | |
| <p>Brian Burke, MD Assistant Professor VAMC Chief, Diabetes Section Lead Physician, Heart Failure Clinic VAMC</p> | | |
| <p>Kathryn Burtson, MD Assistant Professor Associate Program Director WPAFB Internal Medicine Residency Program Director</p> | <p>Diabetes technology Type I Diabetes</p> | <p>Faculty Development Curriculum development</p> |
| <p>Amandeep Chahal, MBBS Assistant Professor VAMC Acting Chief, Hospitalists</p> | | |
| <p>Yanfang Chen, MD Associate Professor</p> | | |
| <p>Esteban Cheng Ching, MD Assistant Professor Director of Vascular Neurology Fellowship Director of Stroke Program, outpatient div. Director of Telestroke program</p> | <p>Stroke Care Endovascular Interventions in Stroke Cerebrovascular Diseases Intracranial Aneurysms</p> | <p>Stroke Care Endovascular Interventions in Stroke Cerebrovascular Diseases Intracranial Aneurysms</p> |
| <p>Roberto Colón, MD Associate Professor</p> | <p>High Value Care Hospital Medicine</p> | <p>Academic support systems Electronic integration in medical care High Value Care Academic Medicine</p> |
| <p>Chad Connor, MD Assistant Professor WPAFB Chief of Cardiology</p> | <p>Pediatric and adult congenital arrhythmia management</p> | <p>Pediatric and adult arrhythmia management</p> |
| <p>Daniel Cybulski, MD Assistant Professor</p> | | |
| <p>Eddie Davenport, MD Clinical Assistant Professor Chief of Cardiology and Flight Surgeon USAF Surgeon General Chief Consultant for Aerospace Cardiology</p> | <p>Occupational Cardiology in military aircrew</p> | <p>Cardiovascular risk prediction for astronaut selection and monitoring during prolonged spaceflight. Specific risk prediction needs of the astronaut population.</p> |

| Name and Academic Position | Clinical Interests | Research Interests |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | | |
| 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 | | |
| Evan Fisher, MD Assistant Professor Division Director – Nephrology WP Chief of Clinical Nephrology Practice WP Internal Medicine Clerkship Site Director | Dialysis Plasma based therapy Electrolyte management | Plasma-based therapies |
| 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 | |

| Name and Academic Position | Clinical Interests | Research Interests |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| William Germann, MD Assistant Professor | | |
| 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 VA Co-Director Advance Simulation Interprofessional Fellowship Program, VISN 10 | Thyroid Adrenal Pituitary Bone Hormone | Thyroid Hormones Bone Diabetes |
| 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 Immigrant and refugee care | 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 |

| Name and Academic Position | Clinical Interests | Research Interests |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| | | Ibrutinib vs FCR in untreated CLL |
| 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 Professor -School of Graduate Studies Neurology Residency Program Director | Acute Stroke Management Stroke Prevention Hypercoagulability | Acute Stroke Management 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 | Graduate Medical Education Physical Examination | Graduate Medical Education |

| Name and Academic Position | Clinical Interests | Research Interests |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Associate Professor – Geriatrics Residency Program Director | Diagnostic Reasoning Doctor-Patient relationship Keeping up with medical literature Clinical decision making in the older patient | Physical Examination Diagnostic reasoning Doctor-patient relationship Clinical decision making in the older patient |
| Bradley Lloyd, MD Professor WPAFB Director of Graduate Medical Education | | |
| Shachi Lovekar, MBBS Assistant Professor | | |
| Brian Ludwig, MD Assistant Professor | | |
| 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 Medicine Cystic Fibrosis Type 1 Diabetes Mellitus Type 2 Diabetes Mellitus Sickle Cell Disease Prevention Clinical Diagnosis | Medical Education General Internal Medicine |
| 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 |

| Name and Academic Position | Clinical Interests | Research Interests |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, | sleep EEG in the pre-surgical evaluation of epilepsy). Association and prevalence of cardiovascular disease in patients with Rheumatoid Arthritis vs patients with Osteoarthritis |
| Vaskar Mukerji, MD Professor VA Division Director – Cardiology | | |
| 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 | | |
| Irina Overman, MD Assistant Professor Internal Medicine Assistant Professor Geriatrics Director of Clinical Foundations | Inpatient care and geriatric care | Novel teaching strategies Resident and student education Professional development |
| 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 | Epilepsy and Neurodiagnostics-clinical | Epilepsy Intractable epilepsy Surgical treatment of epilepsy |

| Name and Academic Position | Clinical Interests | Research Interests |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medical Director of the Comprehensive Epilepsy Center of Dayton at Premier | | Women and epilepsy Electrophysiology |
| Hari Polenakovik, 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 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 |
| Dara Regn, MD Assistant Professor WPMC Chief of Sleep Medicine Clinic WPMC Associate Director of Cardiopulmonary Technician Program | | |
| Marc Rich, MD Professor | | |
| Maritza Rivera, MD Clinical Assistant Professor | | |
| Martin Satter, PhD Associate Professor | | |
| Amy Schimke, MD Assistant Professor | | |
| Meike Schipper, MD Associate Professor | | |
| Lyndetta Schwartz, MD Clinical Associate Professor Associate Chair of Medicine | | |

| Name and Academic Position | Clinical Interests | Research Interests |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Pankaj Sharma, MD Assistant Professor | | |
| Bingzhi Shi, MD | | |
| Roger Shih, MD | | |
| John Shrader, MD Clinical Professor Director of Medical Education, KMC Associate Clerkship Director IM, WSUBSOM | Geriatrics | |
| Ryan Simon, MD Assistant Professor | Pediatric infectious diseases Adult cystic fibrosis General ID | |
| 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 | Wellness |
| Cynthia S. Solomon, BS Pharm, R Ph Clinical Associate Professor | Interdisciplinary team approaches, medication therapy management, intensive treatment of tobacco use disorder and the education of health care professionals about smoking cessation and tobacco use disorder – the viability of clinical services provided by pharmacists to increase the overall quality of care of the health team. Incorporating COVID-19 issues in tobacco control efforts. | To show evidence basis for educating medical students, primary care residents and faculty on effective methods of providing smoking cessation services using a multidisciplinary approach, including a pharmacist, and / or tobacco treatment specialist. Also to evaluate abstinence data once evidence based clinical services are put into place. The importance of placing tobacco use disorder in the context of general medical education cannot be underestimated, as we do not yet have that as a general education topic in medical education in most medical schools. |

| Name and Academic Position | Clinical Interests | Research Interests |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Diseases | 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 | | |
| 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 Ambulatory Clinic Director WPAFB Staff Internal Medicine Physician WPAFB | | |

| Name and Academic Position | Clinical Interests | Research Interests |
|-------------------------------------------------------------------------------------------|--------------------|--------------------|
| 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 | Glomerulonephritis | Hypertension |

4 Teaching

Ajay Agarwal, MD

Medical Students:

- Third year Clerkship inpatient team
- TBL Participant
- Ambulatory/Subspecialty attending, including bed side teaching
- Regularly taught fourth year med students including bed side teaching
- Faculty sponsor for student research/poster
- Advisor for 3 students
- Participant in Healer's Art Interest Group Workshops for students
- Faculty sponsor for student research/poster

Residents/Fellows

- Regularly taught residents and fellows during their rotations

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:

- Cellular growth and neoplasia, July 2020, GI Fellows' Conference
- Esophagus Potpourri, August 2020, GI Fellows' Conference
- Complications of Endoscopy, September 2020, GI Fellows' Conference
- High Resolution Esophageal Manometry, October 2020, GI Fellows' Conference
- CRC Screening Guidelines, November 2020 GI fellows Conference
- FAP, FAP Variants, MUTYH Polyposis, November 2020, GI fellows' Conference
- H. Pylori -ACG Treatment Guidelines, February 2021, GI Fellows' Conference
- Constipation- ACG Guidelines, February 2021, GI Fellows' Conference
- Journal Club, March 2021, GI fellows' Conference
- Functional Esophageal disorders, May 2021, GI fellows' Conference
- Approach to CT abdomen, May 2021, GI Fellows conference
- Interesting Radiology cases, May 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

Katelyn Booher, MD

Medical Students:

- Year 4 ID elective
- Year 3 Clerkship subspecialty attending
- Support medical student research

Residents/Fellows:

- Faculty for ID Fellowship

- IM Resident ID rotation

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 11 residents (IM wards attending and ID consultant rotation)

Steven Burdette, MD

Medical Students:

- Host and Defense PI. Beta lactam antibiotics
- BCR PI: CNS infections and demyelination
- Bootcamp: BBP
- Staying alive: Pericardial Disease, Endocarditis and Myocarditis

Residents/Fellows:

- COVID for Residents noon conference
- Clostridium difficile noon conference
- LRTI noon conference
- ICU Lecture: COVID-19 treatment
- Neurology resident presentation: CA-UTI and COVID-19
- Fellows Chapter Review: HHV6 and BK virus
- ICU lecture – COVID
- Fellows Chapter Review: Anthrax and Sporothrix
- Fellows Chapter Review: Chlamydia
- Surgical residents: colon infections
- Fellows Chapter Review: Vascular and orthopedic infections

Kathryn Burtson, MD

Medical Students:

- WSU Research Coordinator
- Matched 9 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

Thomas Herchline, MD

Medical Students:

- Foundations – Global Health Foundations Co-Director
- Foundations – RBC Infections
- Foundations – HIV
- Foundations – Upper Respiratory Infections
- Foundations – Standard Precautions and Occupational Exposures
- Faculty Mentor for Student Research
 - Jacqueline Jepsen, Use of natural remedies in rural Jamaica
 - Kajanna McKenzie, Prevalence of diabetes mellitus and hypertension in St. Mary, Jamaica
 - Kaitlan Vossen, Age-related distribution of BMI and correlation with type 2 diabetes in Eastern Jamaica

Residents/Fellows:

- Attending for Fellow in Infectious Diseases Outpatient Clinic
- Attending for General Internal Medicine Service
- HIV Diagnosis and Treatment (Noon Conference)
- STD Diagnosis and Treatment (Morning Conference)
- Pneumonia Diagnosis and Treatment (ID Fellows Board Review)
- Extra-Pulmonary Tuberculosis (ID Fellows Board Review)
- 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

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 requirement
- Journal club for IM residents and fellows: assistance with critical appraisal
- Academic appointment and promotion in a medical school: role of research for the clinical/teaching track – Internal Medicine Chief Residents: November 19, 2020
- New IM and Neurology resident orientation to scholarly activity: June 15, 2021

Luke McCoy, MD

Medical Students:

- Faculty Facilitator for select Endocrine portions of Beginning to End Course
- Facilitator for Wright Q for Staying Alive Course
- Internal Medicine Clerkship Director
- Facilitator for 3rd year clerkship bootcamp for finishing 2nd year students
- Faculty for Clinical Medicine Doctoring Course
- Inpatient Attending at MVH for 3rd year clerkship and 4th year sub-internship

Residents/Fellows:

- Inpatient Attending for MVH ward teams
- Participant in morning report sessions at MVH
- Preceptor at resident clinic
- Resident Advisor for 6 residents

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:

- 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

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
- Small-group preceptor for ICM1
- 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

Cynthia Solomon, RPh

Residents/Fellows:

- Developed Online Primer for Primary Care Clinicians and Residents as part of fundamentals course in Evidence based Tobacco 4-6 hours of online education as part of Rx for Change program for residents and faculty

Glen Solomon, MD

Medical Students:

- Advisor/meet with all students applying to IM residencies
- Faculty sponsor for student research

Residents/Fellows:

- Teach residents at Morning Report, Forum, and Noon Conference

Continuing Medical Education

Grand Rounds / Symposiums / CME / Webinars

Ajay Agarwal, MD

- Presented 1 Grand Rounds at the Dayton VA Medical Center

Sangeeta Agrawal, MD

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

Steven Burdette, MD

- CME lecture – "Myths and Fallacies around COVID-19 vaccination", March 12, 2021, Ohio Hospital Association COVID Vaccine Webinar
- Lecture – "COVID-19 and the impact on public health", Sept. 24, 2020, Wright State University Introduction to Public Health
- Lecture - "Antibiotic Stewardship", Oct. 15, 2020, MVH Hospitalists
- Lecture - FCCS – Antibiotics and sepsis
- Lecture - ASP and COVID for MHH Hospitalists, Feb. 3, 2021 and Feb. 10, 2021
- Lecture – "COVID-19 and the impact on public health", Sept. 25, 2021, Wright State University Introduction to Public Health
- Interprofessional Education Outbreak (IPE) Experience, April 12, 2021
 - Infectious Pandemic
 - Involved Pharmacy, WSUBSOM Med Students, MPH, PA and Psychology students

- IDSA Centers of Excellence Webinar moderator – Antimicrobial Stewardship in the Emergency Department: focus on collaborative antimicrobial stewardship with ED providers
- COVID-19 Vaccines Virtual Symposium. Presentation: “Clinical issues with COVID-19 vaccines. Wright State University BSOM, Jan. 19, 2021
- Applying antimicrobial stewardship to the pneumonia guidelines. Infectious Diseases Society of America Centers of Excellence Webinar. Moderator and Presenter, May,2021
- Ohio Hospital Association COVID Vaccine Webinar – Myths and Fallacies around COVID-19 vaccination. March 2021

Kathryn Burtson, MD

- CME – Faculty Development Outreach for the Uniformed Services. Presented workshops, “Debriefing Simulation” – Elgin AFB. “Teaching Procedures” and “Nighttime Curriculum” at the USU workshop, 2021 – present
- CME – Chief Curriculum, presented “Introduction to Curriculum”, “Individualized Goal Setting”, “Mid-year Reflection” annually to 10 new faculty members across 3 hospitals. 2017- present

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

Cynthia Solomon, RPh

- CME – Mahoning Valley Medical Society – “Medical Marijuana and CBD: Health Effects and Clinical Considerations”. Canfield, OH, October 2021
- CME – NEOMED Update in Internal Medicine 2020. “Assisting Patients with an Evidence-Based Approach to Tobacco Use Disorder, including Vaping”. Rootstown, OH, December 10, 2020

Glen Solomon, MD

- CME – Mahoning Valley Medical Society – “Medical Marijuana and CBD: Health Effects and Clinical Considerations”. Canfield, OH, October 2021
- CME - NEOMED Update in Internal Medicine 2020. “Assisting Patients with an Evidence-Based Approach to Tobacco Use Disorder, including Vaping”. Rootstown, OH, December 10, 2020

5 Scholarly Activity

Funded grants

Dean Bricker, MD

- Co-Principal Investigator, Ohio Department of Higher Education, Ohio Third Frontier, “PRESTO (Promoting Engagement for Safe Tapering of Opioids) FY 2020-21
- Co-investigator, Ohio MEDTAPP “Diabetes Consortium” FY 2020-21
- Co-investigator, Agency for Healthcare Research and Quality (AHRQ R21) “Real-time Assessment of Dialogue in Motivational Interviewing (ReadMI)” FY 2020-21
- Co-investigator, HRSA Accelerating Primary Care Transformation at Wright State (ACT-Wright).

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, 2020-2021
- 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

Bradley Jacobs, MD

- PI, “Atrial cardiopathy and antithrombotic drugs in prevention after cryptogenic stroke (ARCADIA) Sponsor: NINDS

Ronald Markert, PhD

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

Glen Solomon, MD

- MEDTAPP Cardiovascular Disease Cardiovascular Best Practices Network Collaborative. Site Co-PI. 2017-21. Funded by the Ohio Department of Health.
- MEDTAPP Ohio Diabetes Consortium. Site Co-PI. 2019-21. Funded by the Ohio Department of Health.
- MEDTAPP Ohio Diabetes QIP. Site Co-PI. 2019-21. Funded by the Ohio Department of Health

Publications

Journals

Ahmad T, Linares J, Valencia D N, et al. (March 24, 2021) Severe Shivering as an Adverse Effect of Regadenoson Myocardial Perfusion Imaging. *Cureus* 13(3): e14091. doi:10.7759/cureus.14091

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

Krishnamurthy P, Agrawal S. Kayexalate-induced colitis and rectal stricture. *BMJ Case Reports* 2020;13: e234991. doi: 10.1136/bcr-2020-234991. PMID: 33318260

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

Hershberger PJ, Bricker DA, Conway K, Torcasio MH. Turning “lose-lose” into “win-win”: what is good for them is good for us! *Medical Science Educator*. 2021; 31: 1177-81.

Hershberger PJ, Martensen LS, Crawford TN, and Bricker DA. Promoting Motivational Interviewing in Primary Care: More than Intention. *PRIMER* 2021; 5:7

Bricker D. Does this patient have jugular venous distension? Vein finder-enhanced assessment of jugular venous pressure. *Clin Case Rep*. 2021; 00:1-3.

Conway K, Hershberger P, Bricker DA, and Castle A. Flipped Exam Room. *Journal of Medical Education and Curricular Development*, Dec 2020; 7:1-5.

Brian P Elliott, MD, USAF, MC, **Gregory M Buchek**, MD, USAF, MC, Matthew T Koroscil, MD, USAF, MC, Characteristics, Treatment, and Outcomes of Patients With Severe or Life-threatening COVID-19 at a Military Treatment Facility—A Descriptive Cohort Study, *Military Medicine*, 2021;, usab055, <https://doi.org/10.1093/milmed/usab055>

Gregory Buchek, MD, Katrin Mende, PhD, Kalyani Telu, MS, Susan Kaiser, BS, Jamie Fraser, MPH, Indrani Mitra, MS, Jason Stam, BS, Tahaniyat Lalani, MBBS, MHS, David Tribble, MD, DrPH, Heather C Yun, MD, Travel-associated multidrug-resistant organism acquisition and risk factors among US military personnel, *Journal of Travel Medicine*, Volume 28, Issue 3, April 2021, taab028, <https://doi.org/10.1093/jtm/taab028>

Thomas JM, Burtson KM. Scurvy: A Case Report and Literature Review. *Cureus*. 2021 Apr 5;13(4):e14312. doi: 10.7759/cureus.14312. PMID: 33968522; PMCID: PMC8099386.

Burtson KM, Bishop J. Prevasculitic Eosinophilic Granulomatosis With Polyangiitis. *Cureus*. 2021 Apr 23;13(4):e14649. doi: 10.7759/cureus.14649. PMID: 34055509; PMCID: PMC8144070.

Karr E, Chung T, Burtson K, Markert R, Kelly D. Bamlanivimab Use in a Military Treatment Facility. *Mil Med*. 2021 May 16:usab188. doi: 10.1093/milmed/usab188. Epub ahead of print. PMID: 33993281

Shahmohammadi A, Burtson KM. Acute Right Ventricular Dysfunction Secondary to Hereditary Angioedema Exacerbation. *Cureus*. 2021 May 30;13(5):e15336. doi: 10.7759/cureus.15336. PMID: 34235015; PMCID: PMC8241184.

Theis SR, Li PC, Kelly D, Ocampo T, Berglund A, Morgan D, Markert R, Fisher E, Burtson K. Perceptions and Concerns Regarding COVID-19 Vaccination in a Military Base Population. *Mil Med*. 2021 Jun 12:usab230. doi: 10.1093/milmed/usab230. PMID: 34117501.

Wright KB, Burtson KM. Ruptured Renal Abscess From *Streptococcus agalactiae* Invasion in a Postpartum Female. *Cureus*. 2021 Jun 16;13(6):e15701. doi: 10.7759/cureus.15701. PMID: 34290911; PMCID: PMC8288605.

Central Hypothyroidism Resolved with Bariatric Surgery: *Endocrine Practice* Volume 27, Issue 6, Supplement, June 2021, Page S177. Sophia Proschel, Ankur Gupta (Senior Author).

Hawley, HB. Sepsis produces micro thrombosis and not coagulation: implications for sepsis therapy. *Annals of Public Health Reports* 4:87-91, 202

Jang, T, Elliott, B, Herman, D, Booher, K. Odontogenic Brain Abscess with *Campylobacter gracilis* and *Fusobacterium nucleatum* Complicated by Rupture into the Ventricle. *Infectious Disease in Clinical Practice*. June 18, 2021.

Mwandia G, Simon RQ, Polenakovic H, Booher KJ. *Neisseria Gonorrhoeae* Spontaneous Bacterial Peritonitis. *Case Rep Infect Dis*. 2021;2021:8865339. 2021 Mar 12.

A retrospective cohort study assessing acute kidney injury and renal recovery among septic patients empirically treated with vancomycin piperacillin–tazobactam versus vancomycin cefepime. Brian Pacca Elliott, Michael M Tang, Joshua Alexander Madden, Ronald James Markert, Steven Dale Burdette, Craig Matthew Pleiman, Emily Claire Speelman *Intern Emerg Med*. 2021 Jun 5 : 1–9. doi: 10.1007/s11739-021-02772-2 [Epub ahead of print]

Treatment of Community-Acquired Pneumonia in Immunocompromised Adults: A Consensus Statement Regarding Initial Strategies. Ramirez JA, Musher DM, Evans SE, Dela Cruz C, Crothers KA, Hage CA, Aliberti S, Anzueto A, Arancibia F, Arnold F, Azoulay E, Blasi F, Bordon J, Burdette S, Cao B, Cavallazzi R, Chalmers J, Charles P, Chastre J, Claessens YE, Dean N, Duval X, Fartoukh M, Feldman C, File T, Froes F, Furmanek S, Gnoni M, Lopardo G, Luna C, Maruyama T, Menendez R, Metersky M, Mildvan D, Mortensen E, Niederman MS, Pletz M, Rello J, Restrepo MI, Shindo Y, Torres A, Waterer G, Webb B, Welte T, Witznath M, Wunderink R. *Chest*. 2020 Nov;158(5):1896-1911. doi: 10.1016/j.chest.2020.05.598. Epub 2020 Jun 16. PMID: 32561442

Jennifer C. Hughes, JoAnna Evans, Garrett Goodman, Alexandria Oliver, Tanvi Banerjee, John G. Hughes, Larry Lawhorn (2021) A Usability Analysis on the Development of Caregiver Assessment Using Serious Gaming Technology (CAST) Version 2.0: A Research Update, *Journal of Technology in Human Services*, 39:1, 68-91, DOI: 10.1080/15228835.2020.1861576

Development of a Daily Use Caregiver Sleep Survey (DUCSS): A Mixed-Method Design GeroPsych
The Journal of Gerontopsychology and Geriatric Psychiatry
GEROPSYCH-D-19-00054R2
Accepted for publication 5/24/2020
Hughes, Jennifer Christine; Romine, William; Banerjee, Tanvi; Goodman, Garrett Gwyn; Hughes, John G.; Lawhorn, Larry Wayne; Edwards, Abby

Predicting Sleep Quality in Osteoporosis Patients Using Electronic Health Records and Heart Rate Variability. Sadeghi, Reza; Banerjee, Tanvi; Hughes, John G.
2020 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) in conjunction with the 43rd Annual Conference of the Canadian Medical and Biological Engineering Society (EMBC 2020) Montreal, Canada, on July 20-24, 2020
Accepted April 27, 2020

Jayani R, Markert RJ, Heard A, Kumar G. Distress evaluation in a Veteran Affairs oncology clinic. Supportive Care in Cancer 2021; 29: 1065-1071.

Hussain W, Aurand W, Onuorah N, Krstevski G, Markert RJ, Springer K, Agrawal S. Improving fecal immunochemical testing rates for colon cancer screening in the outpatient setting. Southern Medical Journal 2021; 114: 77-80.

Dinh B, Hussain W, Chan C, Markert RJ, Krishnamurthy P. Endoscopic yield in anemia of chronic disease: a single-center retrospective study of U.S veteran population. Clinical Research: Open Access 2021; 7(1): dx.doi.org/10.16966/2469-6714.164

Abdul Jabbar A, Maqam K, Mulamalla R, Markert RJ, Ahsan C. Exercise-induced B-natriuretic peptide elevation: a test of exercise-tolerance and fatigue. American Journal of Physiology: Heart and Circulatory Physiology (in press)

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 (in press)

Kim H, Markert RJ, Burtson K. Battlefield acupuncture appears to be an effective therapy for pain management. Acupuncture in Medicine (in press)

Elliott BP, Tang M, Madden J, Markert RJ, Burdette S, Pleiman C, Speelmon 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 (in press)

Karr E, Chung T, Kelly D, Markert RJ, Burtson K. Bamlanivimab use in a military treatment facility. Military Medicine (in press)

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 (in press)

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 (in press)

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* (in press).

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* 12(30e 13787.DOI 10.7759/cureus.13787

Solomon CS, Solomon GD: COVID-19 and face masks: Who is responsible for educating the wearer? *Professional Formation* 3(7): 5-7, June 2020

Solomon CS, Solomon GD: The ABC's of CBD: The fundamentals of cannabidiol. *Primary Care Reports* 26(8): 89-100, August 2020

Solomon CS, Solomon GD: Understanding cannabidiol (CBD). *Emergency Medicine Reports* 41(15): 1-19, August 2020

Solomon CS, Solomon GD: COVID-19 and face masks: Motorcycle rallies and social justice. *Professional Formation* 3(9): August 2020

Solomon CS, Solomon GD: Is it possible to separate science from politics in the age of COVID-19. *Professional Formation* 3(10): September 2020

Solomon CS, Solomon GD: College Athletes Risking Their Careers and Their Lives in the time of COVID-19. *Professional Formation* 4(1): December 2020

Solomon CS, Solomon GD: Vaccines: The pivot from communal to individual values. *Professional Formation* 4(2): January 2021

Solomon CS, Solomon GD: A positive perspective on the pandemic. *Professional Formation* 4(3): February 2021

Books, chapters, reviews

Hawley, HB. COVID-19 Disease. In Hawley HB (ed): Salem Health: Infectious Diseases & Conditions, ed 2. Ipswich, Mass., Salem Press, Inc., 2020 (on-line edition).

Published abstracts

S. Garg, M. Soofi, R. Markert, A. Agarwal. "Relationship Between Coronary Artery Disease and Atrial Fibrillation in US Veterans." *J Am Coll Cardiol* 2021, 77(18 Supplement 1) 196.

S. Garg, M. Soofi, R. Markert, A. Agarwal. "Red Blood Cell Distribution Width Remains an Independent Predictor for Mortality in High-Risk U.S. Veterans." *J Am Coll Cardiol* 2021, 77(18 Supplement 1) 1625.

M. Soofi, S. Garg, R. Markert, A. Agarwal. "US Veterans Require More Aggressive LDL Reduction Than the General Population for Secondary Prevention of Atherosclerotic Disease." *J Am Coll Cardiol* 2021, 77(18 Supplement 1) 1620.

M. Soofi, S. Garg, R. Markert, A. Agarwal. "US Veterans Require More Aggressive LDL Goals for Primary Prevention of Atherosclerotic Disease Than the General Population." J Am Coll Cardiol 2021, 77(18 Supplement 1) 1660

N. Zingas, A. Hussain, S. Garg, A. Agarwal. "Low-Density Lipoprotein Cholesterol Level of 5mg/dL with Alirocumab Therapy – How Low is Too Low?" J Am Coll Cardiol 2021, 77(18 Supplement 1) 2785.

Ailawadi S, Asarpota D, Agarwal A. Very long sinus pause is not always an indication for permanent pacemaker. J Am Coll Cardiol 2021, 77(18 Supplement 1) 2777.

Garg S, Soofi M, Markert R, Agarwal A. Hemoglobin A1c carries independent mortality risk In US Veterans with vascular risk factors. Circulation Nov 17, 2020;142(3)suppl:A14644

Relationship of Body Mass Index to Mortality After Colorectal Cancer Diagnosis. Hussain w, Kollipara S, Agrawal S. The American Journal Of Gastroenterology. October 2020-Volume 115-Issue-p S595

Trio of Multiple Primary Neoplasms. Gin L, Dinh B, Agrawal S. The American Journal Of Gastroenterology. October 2020-Volume 115-Issue-p S103

Adrenal Insufficiency Following Intraarticular Steroid Injections. Poster presentation at Annual Medical Student Research Symposium April 29, 2021, Wright State University, Boonshoft School of Medicine, Dayton, Ohio. Julia Hitchcock, Ankur Gupta. (Senior Author)

Central hypothyroidism Resolved with Bariatric Surgery. Virtual Poster Presentation at AACE Annual Meeting May 2021. Sophia Proschel, Ankur Gupta (Senior Author)

Bullock JD, Hawley HB. Warwar RE: Leonhard Euler's mysterious blindness and fever. 72nd Annual Scientific Meeting of the American Academy of Forensic Sciences, February 2020

Kirby E, Markert RJ, Marinella M. Prognostic value of initial blood cell counts in acute myeloid leukemia. Blood 2020; 136: Supplement 1.

Garg S, Soofi M, Markert RJ, Agarwal A. Hemoglobin A1c carries independent mortality risk in US veterans with vascular risk factors. Circulation 2020; 142: A14644.

Yacyshyn S, Chen P, Wang J, Theis S, Markert RJ, Krishnamurthy P. Surveillance colonoscopy for patients with high-risk adenomas: a single-center retrospective study of US veterans. American Journal of Gastroenterology. Volume 116 Supplement; in press for October 2021.

Bahar C, Kim H, Triplett D, Markert RJ, Krishnamurthy P. Impact of hepatitis C treatment with direct-acting antiviral agents on liver stiffness using vibration-controlled transient elastography and Fibrosis-4 scores: a prospective study in the US veteran population. American Journal of Gastroenterology. Volume 116 Supplement; in press for October 2021.

Mossad D, Markert RJ, Krisnamurthy P. Changing demographics in colorectal cancer: a nationwide study. American Journal of Gastroenterology. Volume 116 Supplement; in press for October 2021.

Hussain W, Kollipara S, Markert RJ, Agrawal S. Relationship of body mass index to mortality after colorectal cancer diagnosis. American Journal of Gastroenterology. Volume 116 Supplement; in press for October 2021.

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 (in press)

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 (in press)

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 (in press)

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 (in press)

Headache and foot ulcers: Robert Fay, Fan Wang, Basanti Mukerji. Presented by Robert Fay at the Ohio association of Rheumatology Meeting, August 28, 2020

Mukerji B, Wang F, Markert R, Mukerji V: Unusually high prevalence of arterial fibrillation in patients with rheumatoid arthritis. Annals of Rheumatic diseases.2021;80(Suppl 1): 486. DOI 10.1136/annualrheumadis-2021-eular.243

Solomon GD, Solomon CS. Curriculum for medical students and residents on medical marijuana. AMERSA (Association for Multidisciplinary Education and Research in Substance use and Addiction) 43rd annual meeting: highlights, abstracts and awards, and an appreciation to our peer reviewers. Subst Abus. 2020 (in press)

Solomon CS, Solomon GD. Assuring hookah tobacco use is included in comprehensive tobacco control efforts. AMERSA (Association for Multidisciplinary Education and Research in Substance use and Addiction) 43rd annual meeting: highlights, abstracts and awards, and an appreciation to our peer reviewers. Subst Abus. 2020 (in press)

Khoury S ; Wright JT ; Perzynski AT ; Caron A ; Rao G ; Koroukian S ; Solomon GD ; Holliday MB ; Gardner-Buckshaw SL ; Dworken L ; Beverly E ; Wexler R ; Nevar A ; Nance M; Albanese S; Wharton DP; Applegate MS; Konstan M ; Bolen S. Ohio Cardiovascular Health Collaborative (CARDI-OH) needs assessment results. J Gen Intern Med 2020;35(Suppl 1): S210-211. DOI: 10.1007/s11606-020-05890-3

Significant presentations

Improving Fecal Immunochemical Testing Rates for Colon Cancer Screening in the Outpatient Setting. OGS Annual conference -one of the top 2 posters selected for oral presentation. Hussain W, Aurand W, Onuorah N, Krstevski G, Markert R, Springer K, Agrawal S.

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.

Pak K, Mossad D, Agrawal S. A Look into Colonic Volvulus Management and Outcomes. SGNA 47th Annual Course Oct 31, 2020.

Pak K, Mossad D, Agrawal S. Evaluating Diagnostic Criteria for Acute Pancreatitis. SGNA 47th Annual Course Oct 31, 2020.

Pak K, Mossad D, Agrawal S. Outcomes in Colonic Volvulus: Analysis of the National Hospital Discharge Survey. SGNA 47th Annual Course Oct 31, 2020.

Hussain W, Kollipara s, Markert R, Agrawal S. Relationship of Body Mass Index to Mortality After Colorectal Cancer Diagnosis. ACG October 2020. Presidential Poster Award.

Gin L, Dinh B, Mossad D, Agrawal S. Trio of Multiple Primary Neoplasms. ACG October 2020.

Hussain W, Kollipara s, Markert R, Agrawal S. Relationship of Body Mass Index to Mortality After Colorectal Cancer Diagnosis. Ohio ACP Chapter Scientific Meeting. October 2020

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. DDW 2020, ACP National Conference 2020.

Hussain W, Ahmad A, Agrawal S. Effects of Telemedicine on Patient Compliance with CRC Screening with FIT in the outpatient setting in comparison to face-to-face Clinic appointments pre-COVID era. Oral Presentation at OGS Annual Meeting October 2020.

Radtke A, Kim H, Chen P, Agrawal S. Small Bowel Intussusception, a Rare Presentation of a Neuroendocrine Tumor. ACP National Conference 2020

Duren, J.A. Bukhari, A. Bartholomew, G. Buchek. Expanding the Differential of Metastatic Disease in a Woman with Localized Breast Cancer. Poster presented at: Virginia C. Wood Research Forum; April 2021; Dayton, OH

Applying antimicrobial stewardship to the pneumonia guidelines. Infectious Diseases Society of America Centers of Excellence Webinar. Moderator and Presenter. May 2021

Ohio Hospital Association COVID Vaccine Webinar – Myths and Fallacies around COVID-19 vaccination. March 2021

“Debriefing Simulation.” Kathryn Burtson MD. Speaker at Eglin Air Force Base May 2021.

“COVID-19 Vaccine Educational Seminar.” Peter Li MD, Samuel Theis DO, Andrew Berglund MD, Thad Ocampo MD, Devin Kelly DO, Evan Fisher MD, and Kathryn Burtson MD. Led 9 sessions (Live audience, Microsoft Teams, and Facebook Town Hall) f/8K attendees across Team Wright-Patterson & beneficiaries.

A Speaker for Living Better Series on thyroid health for local community organized by Miami Valley Association of Physicians of Indian Origin (MVAPI), Dayton, Ohio Jan. 10, 2021

Planning committee member and faculty for Veterans Health Administration Women’s Musculoskeletal Health Training Program for Providers in VISN 10 and Dept. of Defense (DOD) April 27-29, 2021. The Musculoskeletal Training Program was 3 days a face-to-face program that enhanced providers knowledge, skills and confidence to manage common MSK problems

Yacyshyn S, Chen P, Wang J, Theis S, Markert RJ, Krishnamurthy P. Surveillance colonoscopy for patients with high-risk adenomas: a single-center retrospective study of US veterans. American College of Gastroenterology. Nashville, TN, October 2020.

Bahar C, Kim H, Triplett D, Markert RJ, Krishnamurthy P. Impact of hepatitis C treatment with direct-acting antiviral agents on liver stiffness using vibration-controlled transient elastography and Fibrosis-4 scores: a prospective study in the US veteran population. American College of Gastroenterology. Nashville, TN, October 2020.

Mossad D, Markert RJ, Krishnamurthy P. Changing demographics in colorectal cancer: a nationwide study. American College of Gastroenterology. Nashville, TN, October 2020.

Hussain W, Kollipara S, Markert RJ, Agrawal S. Relationship of body mass index to mortality after colorectal cancer diagnosis. American College of Gastroenterology. Nashville, TN, October 2020.

Garg S, Soofi M, Markert RJ, Agarwal A. Hemoglobin A1c carries independent mortality risk in US veterans with vascular risk factors. American Heart Association. Dallas, TX, November 2020.

Kirby E, Markert RJ, Marinella M. Prognostic value of initial blood cell counts in acute myeloid leukemia. American Society of Hematology. San Diego, December 2020.

VanDerVeer S, Markert RJ, Burtson K, Bickford B, Pikman P, Wall T, Yuhas J. Walk your way to better health. Army/Air Force American College of Physicians. Lackland Air Force Base, TX, September 2020. American Medical Society for Sports Medicine. (virtual) April 2021. American College of Physicians. Orlando, FL, April 2021.

Dollin Y, Elliott B, Markert RJ, Speelman E. Improved renal outcomes and 72-hour SOFA score for patients achieving surviving sepsis guidelines fluid targets. Society of Hospital Medicine. (virtual) May 2021.

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.

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.

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.

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.

Mukerji B, Wang F, Markert RJ, Mukerji V. Unusually high prevalence of atrial fibrillation in patients with rheumatoid arthritis. European League Against Rheumatism. Paris, France, June 2021.

Platko S, Bensabeur F, Markert RJ, Terry J, Cheng-Ching E. Intravenous thrombolysis combined with mechanical thrombolysis offers no significant advantage compared to mechanical thrombolysis in large vessel occlusion acute ischemic strokes. Virginia Wood Resident Research Forum. Dayton Area Graduate Medical Education Community, Dayton, May 2021.

Lantz R, Young S, Ahmed A, Lubov J, Markert RJ, Sadhu S, Chandra M. Risk factors for coronary artery calcium in provider-referred and self-initiated groups. Virginia Wood Resident Research Forum. Dayton Area Graduate Medical Education Community, Dayton, April 2021. American Heart Association, Boston, November 2021.

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 within a military base population. Virginia Wood Resident Research Forum. Dayton Area Graduate Medical Education Community, Dayton, April 2021.

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. Dayton Area Graduate Medical Education Community, Dayton, April 2021. 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.

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

Clinicians' Advocacy Skills Training Can Restore Patient Confidence workshop. Solomon CS, Solomon GD. Academy for Professionalism in Health Care "Professionalism and Trust in Health Care During a Crisis" – February 19, 2021

Posters

Patel AG (PGY1): Pelvic congestion syndrome: an underdiagnosed vascular condition in women of reproductive age (August 2020)

Silverman M (PGY1), VanDerVeer S (PGY3), Donnelly T. Priapism in COVID-19: a thromboembolic complication (August 2020)

Ahmad, Krishnamurthy: Benign rectal strictures: a review article

Hussain W, Chen P, Krishnamurthy P. Veterans with Hepatitis B, who is being missed and why? Clinical Research: Open Access 6 (2): September 2020

Patel A, Agarwal A. Wolff-Parkinson-White syndrome with intermittent preexcitation - a case report and literature review

Patel A, Reid G, Hashmi A. Mysterious case of quadriplegia from a stagnant canal - a case of Pseudo-Froin's syndrome

Mullan N, Bukhari A, Koroscil M. Refractory chylothorax secondary to Waldenstrom macroglobulinemia

Bickford B, Polenakovik H. Pneumoscrotum after bilateral spontaneous pneumothoraces

Proschel S, Gupta A. Central hypothyroidism resolved with bariatric surgery: a case report. American Association of Clinical Endocrinology (virtual), May 2021

Bensabeur F, Asarpota D, Kentris M. Seizures, visual auras, and diffuse cortical enhancement

Ekanayake L, Triplett D, Usman N, Ashan Ali S. Gastric GIST presenting as melena in a hemodynamically unstable patient: a case report

Ekanayake L, Hussain W, Usman N, Ashan Ali S. Esophageal GIST presenting as achalasia: a case report

Bickford B, Bennett S: Not your typical bisphosphonate intolerance: a case of unusual bone pain with low alkaline phosphatase

Consultantships

Steven Burdette, MD

- Life Connections of Ohio
- Roche Diagnostics
- UD COVID Response Medical Panel
- CDC and IDSA development of lower respiratory tract infection clinical pathways. Project lead for IDSA

Thomas Herchline, MD

- US Citizen and Immigration Services (Civil Surgeon)

Ronald Markert, PhD

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

Editorial Activity

Thomas Herchline, MD

- Reviewer for Infection Control and Hospital Epidemiology
- Reviewer for Infectious Diseases in Clinical Practice
- Reviewer for American Journal of Tropical Medicine & Hygiene
- Chief editor for 64 articles, *Medscape Drugs & Diseases*
- Contributing editor for 10 articles, *Medscape Drugs & Diseases*
- Managing Editor for Bacterial Sepsis, *Medscape Drugs & Diseases*

Trials/Research Projects

Ajay Agarwal, MD

- Clinical and angiographic parameters as predictors of outcome in patients with coronary artery disease. Principal Investigator
- IMPROVE AKI Trial: A cluster-randomized trial of team-based coaching interventions to Improve acute kidney injury. Site Principal Investigator
- Pragmatic evaluation of events and benefits of lipid-lowering in older adults (PREVENTABLE): Co-investigator

Ankur Gupta, MD

- Research: (Preventable and Traverse study are large multi-center clinical trials)
- Pragmatic Evaluation of Events and Benefits of Lipid-Lowering in Older Adults (PREVENTABLE) Trial
- Testosterone Replacement therapy for Assessment of long-term Vascular Events and efficacy Response in hypogonadal men (TRAVERSE) Study

- A retrospective study: change in thyroid function in patients with thyroid nodule
- A Retrospective Study: Prevalence of abnormal Thyroid function tests in Veterans with Dementia
- A Retrospective Study: Prevalence of positive Rapid Plasma Reagin (RPR) test in the Veteran Population with Dementia
- Prevalence of hot nodules on thyroid uptake and scan in patients with thyroid nodules and normal thyroid hormones

Ronald Markert, PhD

Internal Medicine

- Chamrathy: use of CARG toxicity tool to predict chemotherapy toxicity in older veterans in order to facilitate better treatment
- Wei, Polenakovic: central line-associated blood stream infections
- Kim, Barnett, Burtson: battlefield acupuncture is an effective and safe adjunct therapy for pain management in primary care setting
- Kim, Triplett, Beck, Agrawal: current practice in pancreatic enzyme replacement therapy
- Kim, Beck, Agrawal: Vitamin K for acute bleeding for patients on coumadin: does INR therapeutic range return when coumadin restarted?
- Hussain (PGY1), Solomon: What Would You Do? Medical Edition
- Hussain, Aurand, Onuorah, Krstevski: Improving fecal immunochemical testing rates for colon cancer screening in the outpatient setting
- Hussain, Solomon: Resident Medical Mission in Jordan
- Hussain U, Riaz, Rehman, Garg, Soofi: benefits of transesophageal echocardiogram in ischemic stroke evaluation: a quality improvement study
- Hussain Krishnamurthy: endoscopic yield in anemia of chronic disease
- Hussain, Kollipara, Chen, Agrawal: effect of body mass index on patient morbidity after colorectal cancer diagnosis at Dayton Veterans Affairs Medical Center
- Hussain: in-clinic appointments vs. telemedicine appointments: FIT, Cologuard, colonoscopy
- Krishnamurthy, Hussain: improving follow up, treatment and hepatocellular carcinoma surveillance in patients with hepatitis B at Dayton Veterans Affairs Medical Center
- Krishnamurthy, Cheema, Kim: Impact of hepatitis C treatment with new direct acting antiviral agents on liver stiffness using transient elastography and its correlation with non-invasive scores: a prospective study in the U.S veteran population
- Krisnamurthy, Chen: improving follow up, treatment and HCC surveillance in patients with Hepatitis B at Dayton VAMC
- Burtson, Scott: physicians vs. mid-level providers - management of diabetic patients
- Wayde, Loesch, Hussain, Agrawal: gastrointestinal bleeding in veterans on oral anticoagulants
- Katein-Taylor: pre-exposure prophylaxis for HIV at WPAFB and USAF: are those who meet guidelines offered Truvada?
- Kirby (Oncology fellow): outcomes and prognostic factors in acute myeloid leukemia
- Kelly (WPAFB, ID Chief): MRSA rates in ICU/MSU before and after implementing a change in contact precautions
- Kelly, Jang: discontinuation of contact precautions for MRSA/VRE
- Wilson: QI study at WPAFB – patient satisfaction with a resident vs. staff clinic
- Gupta A: pre-test and post-test analysis for musculoskeletal course at the DVAMC
- DeMasters, Glendening: effects of screening outreach on internal medicine clinic patients during COVID-19 pandemic
- Yacyshyn, Chen, Theis, Krishnamurthy: surveillance colonoscopy for patients with high-risk adenomas: a single-center retrospective study of U.S veterans
- Goswami (MS4), Solomon: post-craniotomy persistent headache pain management
- Patel: continuation of medical school cardiology project

- Lantz, Young, Sharma: heart failure with reduced EF and optimization of medical therapy: a quality improvement study at Dayton VAMC
- Lantz, Agarwal: amiodarone tracking and its relay to primary providers
- Soofi, Garg, Lantz, Agarwal: continued studies from VAMC CAD database
- 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
- Mukerji B, Wang: differences in the prevalence of cardiovascular diseases among patients with rheumatoid arthritis and osteoarthritis in the veteran population
- Burtson, Fisher: novel individualized learning plan approach utilizing SMART goals can improve residency-wide standardized scores
- Burdette, Krstevski, Herchline, Colon, Steele, Koroscil Matt, Fisher: convalescent plasma for the treatment of CoVID-19 protocol
- Theis, Fisher, Burtson, Li: improving COVID-19 vaccination rates among military personnel
- Karr, Chung, Kelly: COVID-19 symptom improvement after treatment with Bamlanivimab - survey research with military personnel
- Lantz, Young, Lubov (MS), Ahmed, Sadhu, Chandra: identifying risk factors for coronary artery disease in a coronary artery calcium self-referral group
- Elliott, Tang, Speelmon, Dollin, Burdette: critical care outcomes in septic patients treated with vancomycin and cefepime versus vancomycin and piperacillin-tazobactam
- VanDerVeer, Burtson, Bickford, Pikman, Wall, Yuhas: graded exercise protocol with biweekly monitoring (ECDET)
- 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 independent 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
- Ahmad: predictors of acute cholangitis
- Ahmad: predictors of acute diverticulitis
- Ahmad, Agrawal: management of gastrointestinal bleeding in hospitalized patients
- Ahmad: Do patients with warfarin vs. direct oral anticoagulants have more severe gastrointestinal bleeding?
- Ahmad, Hussain W: quality improvement study for Hepatitis C screening
- Dinh, Ahmad, Mossad: dysphasia and eosinophilic esophagitis (food bolus impaction) based on time of year and region
- Ahmad: obesity and direct oral anticoagulants
- Li, Kelly: perioperative antimicrobial timing and choice
- Lantus, Burke: QD vs BID dosing of Lantus
- Young, Patel, Ahmad, Otchere, Adekoya, Hahn: development of cardiac risk prediction model in patients with HER 2+ breast cancer on trastuzumab therapy
- Elliott B, Burtson, Elliott L, Dupre: randomized controlled trial of self-directed learning with Twitter for ultrasound image interpretation
- 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
- McCoy, Burtson, Thoms, Noall: curriculum changes in an internal medicine residency program

- Cushman, Schueller: improving performance on night shift: a study of sleep transition strategies
- Elliott, Hollis ____ (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

Neurology

- Bramlage, Ludwig: recurrent epistaxis - does outpatient embolization through IR decrease ED and admission rates?
- Clouse: Efficacy of clorazepate as a chronic antiepileptic agent in situations other than adjunctive therapy for focal epilepsy
- Mustafa and three medical students: two epilepsy drugs compared in a retrospective study
- Platko, Cheng-Ching, Bensabeur: acute ischemic stroke secondary to large vessel occlusion: outcome assessment in patients with acute ischemic stroke treated with IV tPA and/or mechanical thrombectomy

Other recognition

Ajay Agarwal, MD

- Invited reviewer of the Journal of Cardiovascular Pharmacology

Sangeeta Agrawal, MD

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

Steven Burdette, MD

- Judge for DAGMEC research forum
- IDSA Abstract Review Panel for ID Week
- MVH and PH advisor for COVID-19
- IRB approved study for Convalescent plasma in the treatment of COVID-19
- PI for the Mayo Clinic Convalescent plasma in the treatment of COVID-19
- Sub-I for Regeneron COVID-19 treatment
- Numerous interviews on Channel 2, 7, 22 and 45, Dayton Daily News regarding COVID and legionella
- Promotions Letters: Dr. Lindholm (USHUS) and Dr. Shrestha (Lerner College of Medicine)
- Journal reviewer for CID, IDCP and JAMA

Katherine Burtson, MD

- Journal Reviewer for Clinical Case Reports, 2021-present , and The Cureus Journal of Medical Science, 2021-present
- Judge, Abstract Competition, Ohio ACP Annual Conference, 2017-2021

Harrison Hawley, MD

- Video – WSUDOM COVID-19 Vaccine Task Force
- Video - SARS-CoV2: Misconceptions and Unanswered Questions
- Video – The Variants of SARS-CoV-2

Thomas Herchline, MD

- Interviewer for WSU-BSOM Residency Program

- Interviewer for WSU-BSOM Medical School Applicants

John Hughes, MD

- Judge for posters at the Ohio Chapter of the American College of Physicians

Ronald Markert, PhD

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

Glen Solomon, MD

- Associate Journal Editor, Primary Care Reports (2013-Present)
- Ad Hoc Journal Reviewer for Annals of Internal Medicine
- Headache
- Journal of Pediatric Neurology
- The Medical Letter
- Journal of Family Medicine

6 Summary of Service Activities

Student advising

Sangeeta Agrawal, MD

Mamle Anim, MD

Dean Bricker, MD

Steven Burdette, MD

Mukul Chandra, 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 Saklayen, MD

Committee membership/officer

Wright State University Boonshoft School of Medicine

Sangeeta Agrawal, MD

- Graduate Medical Education Committee

Dean Bricker, MD

- Department of Medicine, Medical Executive Committee
- Chair, Internal Medicine Residency Clinical Competency Committee

Steven Burdette, MD

- Promotions Committee

Thomas Herchline, MD

- Honor Code Council

- Global Health Education Advisory Board
- Institutional Review Board (Vice 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

- Student Promotion Committee
- Doctoring 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

Dean Bricker, MD

- WSU BSOM CME 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

Harrison Hawley, MD

- WSUDOM COVID-19 Task Force 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

Luke McCoy

- Clinical Competency Committee
- Program Evaluation Committee

Glen Solomon, MD

- Clinical Competency Committee
- Program Evaluation Committee

Kerianne Springer, MD

- Clinical Competency Committee
- Program Evaluation Committee

Wright State Physicians

Glen Solomon, MD

- Board of Directors

Bradley Jacobs, MD

- Finance Committee

Hospital or affiliated institution

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

Dean Bricker, MD

- Miami Valley Hospital Directors of Education

Steven Burdette, MD

- Ohio Valley Surgical Center
 - Medical Director of ID
- Greene Memorial Hospital
 - Head of Infection Control
 - Medical Director of Infectious Disease
- Miami Valley Hospital
- PHP
 - MMT

- Antibiotic Subcommittee

Caelan Ford, MD

- Wright Patterson Medical Center
 - Chair, Ethics Function

Ankur Gupta, MD

- Dayton VA Medical Center Committee
 - Medical Grand Rounds
 - Morbidity and Mortality Conference
 - Research & Development
 - Procedure Review
 - Peer Review

Thomas Herchline, MD

- Community Health Centers of Greater Dayton
 - Board of Directors
 Vice Chair
- 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
 - CMO Committee
 - COS Committee
 - Board – Kettering College

- KMCS Board
- FHH Board
- MEC Committee
- QAPI Committee
- UR Committee
- PPC Committee

State

Sangeeta Agrawal, MD

- Ohio Gastroenterology Society (OGS) Treasurer

Steven Burdette, MD

- Ohio Hospital Association COVID-19 task force

Dean Bricker, MD

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

John Hughes, MD

- HTN QI Project/Diabetes QI Project State Committee

Glen Solomon, MD

- Ohio ACP
- Governor's Advisory Committee

National

Steven Burdette, MD

- Infectious Diseases Society of America Centers of Excellence Committee (Chair)

Bradley Jacobs, MD

- American Academy of Neurology Stroke and Vascular Neurology Section

Other

Ajay Agarwal, MD

- VISN 10 anticoagulation community of practice

Sangeeta Agrawal, MD

- ACG Women in Gastroenterology Committee
- AGA (American Gastroenterological Association) Political Action Committee Board of Advisors

Dean Bricker, MD

- Deacon Patterson Park Church, Beavercreek

Steven Burdette, MD

- Medical Director Greene County Tuberculosis Clinic, Greene County Combined Health District
- Advisor for communicable diseases, Greene County Combined Health District

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

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

Dean Bricker, MD

- Wright State Physicians, Internal Medicine Clinic at 5678 Far Hills Ave., Kettering
- Ward Attending: Aug 2020, Sep 2020, Oct 2020, Jan 2021, Feb 2021
- Clinic preceptor for residents, Five Rivers Health Center: 2 half days per week, July 2020-June 2021

Wright State ID

- Covered the COVID-19 unit for 362 days during the 2020-2021 academic year which many days having 2 or 3 physicians from our ID group covering COVID.

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

- Tuberculosis Clinic, Public Health – Dayton & Montgomery County
- Supervised the ID fellows during their continuity HIV clinic at the 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 at MVH
- Outpatient Medicine at Wright Health
- Resident Clinic Five Rivers Health Center

Cassandra Milling

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

Basanti Mukerji, MD

- Inpatient Rheumatology Consult
- Outpatient Clinic

Barbara Phillips, MD

- Inpatient service – general neurology
- Inpatient subspecialty epilepsy service attending – Epilepsy monitoring unit
- Outpatient subspecialty epilepsy clinic
- Resident clinic general neurology attending
- EEG rotation attending

John Shrader, MD

- Outpatient Internal Medicine precepting at the Sycamore Primary Care Center

Robert T. Smith, MD

- Preceptor SOGC
- Preceptor KHN residents
- Preceptor WSU residents

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



Honors and awards

Kathryn Burtson, MD

- Wright State University Teaching Excellence Award, 2021
- Wright Patterson AFB Ward Attending of the Year, 2021

Steven Burdette, MD

- Ohio Chapter of the American College of Physicians (ACP) inaugural COVID-19 Warrior Hospital Hero Award for 2020
- Dayton Magazine Infectious Diseases Physician of the Year – 2021

Ronald Markert, PhD

- Dept. of Internal Medicine Resident Scholarly Activity Award – May 2021

Luke McCoy, MD

- The Leonard Tow Humanism in Medicine Award – May 2021

Kelsey Wilson, DO

- Air Force Achievement Medal, 2020
- Wright Patterson AFB Internal Medicine Clinician of the Year, 2020
- Squadron/HCOS CGO of the Quarter, April – June 2021

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

Ajay Agarwal, MD

- Invited medical students, residents, and fellows to participate in research activities.
- Continuing Quality Initiative projects with medical students and residents

Ankur Gupta, MD

- Medical Director Simulation Center, Dayton VA Medical Center: Involved in simulation learning activities involving medical students and residents
- Planning committee member and faculty for Veterans Health Administration Women's Musculoskeletal Health Training Program for Providers in VISN 10 and Dept. of Defense

(DOD) April 27-29,2021. The Musculoskeletal Training Program was 3 days a face-to-face program that enhanced providers knowledge, skills and confidence to manage common MSK problems.

ID Faculty

- ID faculty was frequently interviewed on local TV (Channels 2, 7, 22, 45) and interviewed by the Dayton Daily News in terms of clinical issues surrounding COVID-19

Bradley Jacobs, MD

- Participation in Premier Health Stroke Program, including telemedicine treatment of acute ischemic stroke patients throughout the region

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