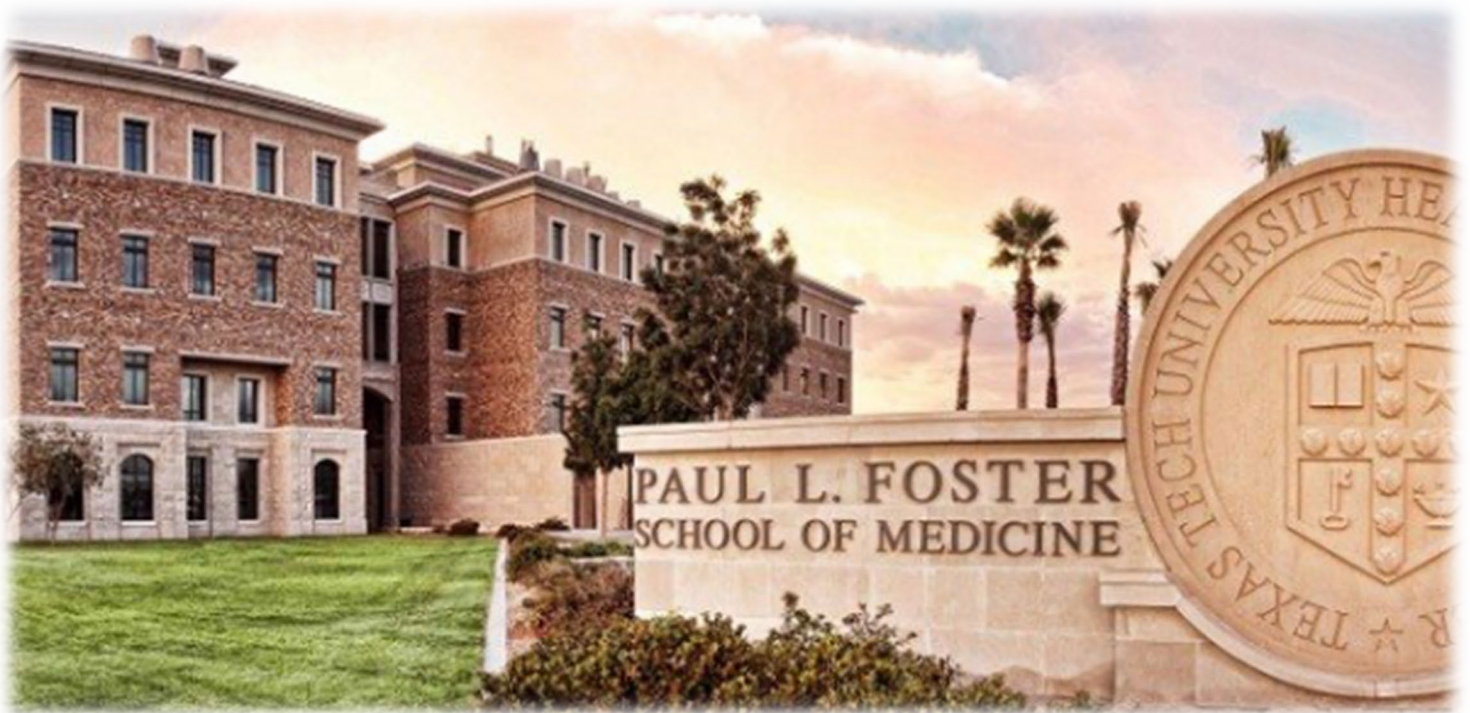


## Annual Research Productivity Report

# Texas Tech Health

**Internal Medicine** EL PASO



**Department of Internal Medicine**  
**2025 Academic Year**  
**1 July 2024 – 30 June 2025**



## Letter from the Internal Medicine Chair

Dear Friends—

I am very pleased to bring to you the **Department of Internal Medicine's Annual Research Productivity Report for 2025**.

First of all, let me take this opportunity to thank our faculty, residents and fellows for their hard work and clinical service during the past year. The Department had an extremely productive year with **114** peer-reviewed publications, one major textbook, **5** textbook chapters and a number of regional and national presentations. While the number of publications remains impressive and is an important metric, what impresses me is the quality of the articles and the high-impact journals they are published in. Let me take this opportunity to congratulate our faculty, residents and fellows, who despite an extremely busy clinical workload continue to excel in other academic endeavors, namely teaching and research. I would also like to thank Dr. Jerzy Sarosiek for his tireless efforts to promote research amongst our faculty, residents and medical students and being a resource to them.

I am happy to note that our house staff remain extremely productive and reflect their commitment, enthusiasm and also mentoring/guidance by our amazing program directors. Our faculty received research funding from both public and private sources, and the clinical research enterprise continues to grow under the stewardship of Ms. Christina Bracamontes.

I hope next year Internal Medicine will be even more productive, and each and every one of us will need to put in the effort to make this possible. Of note, a **QR** code on the front of this report will take you to the electronic version of this report.

I would also like you to join me in wishing Dr McCallum a speedy recovery and hoping he will be back soon to help lead TTUHSC El Paso in GI Motility research globally. Finally, I wish all of you a fun and productive fall season!



Debabrata Mukherjee, M.D., M.S., MSCAI

Chair, Department of Internal Medicine

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**IM Faculty Member**

\*Citation format – Uniform requirements for manuscripts submitted to biomedical journals:

International Committee of Medical Journal Editors

**PUBMED PEER REVIEW PUBLICATIONS**

**JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS**

1. Algheriani H, Cazares-Parson M, Brockman M, Zakhireh B, **Srinivas S, Mukherjee D**, Dwivedi AK, **Nickel NP**. Complex Interactions of Social Determinants of Health on Survival Outcomes in Hispanic Patients With Pulmonary Arterial Hypertension in a US-Mexican Border City. *Cardiol Res*. 2025 Jun;16(3):189-196. doi: 10.14740/cr1748. Epub 2025 Apr 22. PMID: 40370622; PMCID: PMC12074678.
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## BOOKS & BOOK CHAPTERS

### BOOKS

**Mukherjee D, Lange RA**, and Chatterjee S, (eds). 1400+ Questions: An interventional cardiology board review (fourth edition). Philadelphia, PA: Lippincott Raven, July 2024

### BOOK CHAPTERS

1. Desai R, Trivedi B, Makhija R and **Mukherjee D**. Cardiac Magnetic Resonance Imaging. In Mukherjee D and Mookherjee S (Eds). Cardiovascular Medicine Board Review and Self-Assessment: A Companion to Cardiovascular Medicine & Surgery. Philadelphia, PA: Lippincott Raven, November 2024, pp 133-139
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4. **Mukherjee D**. Approach to Interventional Boards and Test Taking Strategies. In Mukherjee D, Lange RA, and Chatterjee S (Eds). 1400+ Questions: An interventional cardiology board review. Philadelphia, PA: Lippincott Raven, July 2024, pp 563-574
5. Sarode R and **Mukherjee D**. Hybrid and multimodality imaging correlation. In Mukherjee D and Mookherjee S (Eds). Cardiovascular Medicine Board Review and Self-Assessment: A Companion to Cardiovascular Medicine & Surgery. Philadelphia, PA: Lippincott Raven, November 2024, pp 140-152

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## Resident & Fellow Research (PGY 1-6)

*Internal Medicine, Med/Psychiatry Residents  
Fellows Gastroenterology and Cardiology  
Residents/Fellows (PGY 1-6) – Faculty Mentor*

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## BOOK CHAPTERS

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## ABSTRACTS SUBMITTED AND ACCEPTED FOR PRESENTATION

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<https://shmabstracts.org/abstract/reduction-in-bmi-and-waist-circumference-after-use-of-glp-1-and-gip-agonists-in-patients-with-obstructive-sleep-apnea-a-meta-analysis/>.
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doi:10.1200/JCO.2025.43.5\_suppl.747
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74. **Togra A**, **Kalas MA**, Bashashati M, Sarosiek I, McCallum RW. S2337 Characteristics of Gastroparesis Clinical Studies Registered in Clinicaltrials. gov--A Cross-Sectional Analysis. Official journal of the American College of Gastroenterology| ACG. 2024 Oct 1;119(10S):S1674.
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76. **Togra A**, **Mahapatra S**, Robles A, Zuckerman M, Elhanafi SE. S1031 Characteristics of Upper Gastrointestinal Bleed Studies Registered in Clinicaltrials. gov--A Cross Sectional Analysis. Official journal of the American College of Gastroenterology| ACG. 2024 Oct 1;119(10S):S722.

#### INTERNATIONAL/ NATIONAL MEETINGS

1. Ayoobkhan FS, Ganiyani MA, **Pustake M**, Ahmad S, Podder V, Bellur SS, Howal P, Shah A, Goodman JR. Demographic disparities influencing survival of patients with glioblastoma. ASCO Annual Meeting; May 31-June 4, 2024; Chicago, IL. Care Delivery and Quality Care Track.
2. **Bies JJ**, **Botros M**, **Reddy S**, Stuart A, Dwivedi Alok K., **Edwards B**, **Hechanova L**, **Aimee**, **Deoker A**, **Mukherjee D**. GME Action Learning: Implementing a 3-week ChatGPT 3.5-Generated Case-Based Professionalism Curriculum for Internal Medicine Residents at Texas Tech University Health Sciences Center - El Paso Alberta Campus: A

Pilot Study. April 9-11, 2025: Washington, DC. Presented at 2025 GRA and ORR Joint Spring Meeting

3. **Bies, JJ**, Sanchez N, Stuart A, Alba R, Omidvarnia S, **Mendoza E**, **Htay T**, **Lane M**. A Case of Pulmonary Embolism Management Complicated by Unnecessary Chest Tube Insertion in a Pulmonary Hypertension Patient. Presented at Southern Regional Meeting as a poster presentation. February 13, 2025; New Orleans, Louisiana. The American Journal of the Medical Sciences; 369:S109. DOI: 10.1016/S0002-9629(25)00179-X
4. **Bies, JJ**, Sanchez N, Stuart A, Alba R, Omidvarnia S, **Mendoza E**, **Htay T**, **Lane M**. Severe Constipation in Post-Polio Syndrome Causing Acute Respiratory Failure with Hypoxia After Manual Disimpaction. Presented at Southern Regional Meeting as a poster presentation. February 13, 2025; New Orleans, Louisiana. The American Journal of the Medical Sciences; 369:S131. DOI: 10.1016/S0002-9629(25)00210-1
5. **Bies, JJ**, Sanchez N, Stuart A, Alba R, Omidvarnia S, **Mendoza E**, Corral J, Padilla O, **Htay T**, **Lane M**. Navigating Complex GIST Cases: Personalized Treatment Journeys in Gastrointestinal Stromal Tumors. Presented at Southern Regional Meeting as a poster presentation. February 13, 2025; New Orleans, Louisiana. The American Journal of the Medical Sciences; 369:S567-S568. DOI: 10.1016/S0002-9629(25)00848-1
6. **Botros M**, **Youssef M**, **Fadah K**, **Rajachandran MS**, **Roongsritong C**, **Srinivas SK**. Successful management of vascular access-related complications post-leadless pacemaker implantation. Journal of the American College of Cardiology. 2025 Apr 1;85(12\_Supplement):4475-.
7. **Doddamani R**, **Pustake M**, Ganiyani MA, Sarfraz Z, Aziz N, Mustafayev FNA, Mustafayev K, Spiegelman L, Jatwani K, Ahluwalia M, Garje R. Temporal patterns in renal cancer mortality: A 20-year analysis of US-Mexico border states 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Genitourinary Cancer—Kidney and Bladder Track.
8. **Duggal S**, **Jilani M**, **Sotelo JW**, **McCallum RW**. Evaluating Trends in Rumination Syndrome: A Retrospective Analysis of El Paso Population. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA
9. Elchouemi M, **Eysha M**, **Kasianchyk M**, Asad A, **Pustake M**, Eysha A, Zhang W, Long A, Yousif A. The effect of GLP-1 receptor agonists on outcomes in metastatic renal cell carcinoma patients undergoing immune checkpoint inhibitor therapy. Poster Presentation: 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Genitourinary Cancer—Kidney and Bladder Track. Poster Bd 359.
10. Ganiyani MA, Khosla A, **Pustake M**, **Doddamani R**, Aziz N, Sarfraz Z, Kaiser A, Fagundes M, Garje R. Survival outcomes of whole pelvic vs. bladder-only radiation in muscle-invasive bladder cancer. J Clin Oncol. 2025;43(suppl):abstr 4600. Poster Presentation: 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Genitourinary Cancer—Kidney and Bladder Track. Poster Bd 400.



11. Ganiyani, MA, **Pustake M**, Khosla, AA, & Garje, R. (2025, April 3–5). Impact of treatment approaches in patients with ductal and intraductal prostate cancer (DPC) [Poster presentation]. ACP Annual Meeting; New Orleans, LA, USA.  
<https://abstractsresults.acponline.org/Abstract?id=142125>
12. Garje R, Ganiyani MA, Khosla A, **Pustake M**, Doddamani R, Jatwani K, Manoharan M. Impact of trimodal therapy on survival outcomes in non-urothelial muscle-invasive bladder cancer. 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Genitourinary Cancer—Kidney and Bladder Track.
13. Harisingani A, Mishra R, Parekh D, Batra N, Khosla A, **Pustake M**, Sukaina M, Chitkara A, Singh R, Jatwani K. Pattern of granulocyte colony stimulating growth factors (G-CSGF) usage in patients treated with sacituzumab govitecan. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Breast Cancer—Metastatic Track.
14. **Kattaumuri L**, Vojjala N, **Pustake M**, Bhanushali C, Jayakumar J, Prabhu R, Nakarmi P, Valasapalli S, Chitkara A, Goyal K, Kotla NK, Shah R, Azar I, Patan S, Ahmed N. Cardiac adverse events with PARP inhibitors: Real-world pharmacovigilance study using FAERS database. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Symptom Science and Palliative Care Track.
15. Khosla AA, **Pustake M**, Chhabra S, Zhang Y, Roy M, Rubens M, Ramamoorthy V, Saxena A, Jaiyesimi IA. Assessing the impact of obesity on postoperative outcomes in RCC using machine learning. Poster presentation at: AACR Special Conference In Cancer Research: Tumor-Body Interactions: Conference; November 17, 2024; Boston, Massachusetts
16. Khosla A, Ganiyani MA, **Pustake M**, Ammakola Y, Batra N, Chitkara A, Singh R, Zhang Y, Revoredo G, Yadav S, Tripathi V, Saxena A, Jatwani K, Jaiyesimi I. Development and fairness assessment of machine learning models for predicting 30-day readmission after lung cancer surgery. Poster Presentation: 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Care
17. Khosla A, Ganiyani MA, **Pustake M**, Ammakola Y, Batra N, Jatwani K, Saxena A, Jaiyesimi I, Garje R, Subbiah I. Evaluating fairness and mitigating bias in models predicting financial toxicity among patients with genitourinary cancers. Poster Presentation: 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Care Delivery and Quality Care Track. Poster Bd 331.
18. Khosla A, Ganiyani MA, **Pustake M**, Batra N, Chitkara A, Ramamoorthy V, Rubens M, Saxena A, Garje R, Jaiyesimi I, Jatwani K. Application of ML models to predict postoperative outcomes in renal cell carcinoma. Poster Presentation: 2025 ASCO Genitourinary Cancers Symposium; February 13–15, 2025; San Francisco, CA. Poster Bd D31.
19. Khosla A, Singh A, Chitkara A, **Pustake M**, Jatwani K, Rubens M, Ramamoorthy V, Saxena A, Jaiyesimi I. Impact of insurance status on mortality following surgical

treatment of colorectal cancers. Poster Presentation: 2025 ASCO Gastrointestinal Cancers Symposium; January 16–18, 2025; San Francisco, CA. Poster Bd B3.

20. LaBelle E, Aziz N, Nabi W, Khan M, Bhat A, Zia M, Basharat A, Rath S, Mudassar M, **Pustake M**, Makhkamov S, Garje R, Ganiyani MA, Shahnawaz M, Aziz S, Aziz A, Cheema A, Rohita D, Ali U, Fromer N. Survival outcomes in early-stage cutaneous desmoplastic melanoma. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Melanoma/Skin Cancers Track.
21. Lee B, Galura G, Taclob J, **Mahapatra S, Togra A , Duggal S**, Singh V, **Sotelo JW, Botros M, Robles A**. A novel model for predicting the need of endoscopic intervention in patients with upper gastrointestinal bleeding. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA. Official journal of the American College of Gastroenterology| ACG. 2024 Oct 1;119(10S):S696-7.
22. Lee B, Galura G, Taclob J, **Mahapatra S, Togra A , Duggal S, Sotelo JW, Botros M, Robles A**, Singh V. Patient outcomes related to acuity and time to endoscopy for upper gastrointestinal bleeding: a retrospective cohort study. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA. Official journal of the American College of Gastroenterology| ACG. 2024 Oct 1;119(10S):S697-8.
23. Mustafayev K, Mustafayev FNA, Sarfraz Z, Spiegelman L, Hodgson L, Ganiyani MA, **Pustake M**, Maharaj A, McDermott M, Kotecha R, Odia Y, Ahluwalia M. Prognostic factors for brain metastasis in adolescent and young adult patients. 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Central Nervous System Tumors Track.
24. Mustafayev FNA, Mustafayev K, Ganiyani MA, Sarfraz Z, Spiegelman L, Amundson A, **Pustake M**, Maharaj A, McDermott M, Odia Y, Kotecha R, Ahluwalia M. Survival outcomes and patterns of care in ovarian carcinoma patients with brain metastases. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Central Nervous System Tumors Track.
25. Mustafayev K, Mustafayev FNA, Ganiyani MA, Sarfraz Z, Spiegelman L, Qidwai KA, Maharaj A, **Pustake M**, Mukherjee S, McDermott M, Kotecha R, Odia Y, Ahluwalia M. Treatment modalities and survival outcomes in patients with hepatocellular carcinoma with brain metastases (HCC-BM). ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Central Nervous System Tumors Track.
26. Nguyen PT, **Togra A , Sotelo JW, Duggal S**, Robles A, Vulisha A. Utilization of oral anticoagulants for acute splenic infarction in the setting of pancreatitis: A systematic review. Abstract presented at: ACG 2024 Annual Meeting; October 25 30, 2024; Philadelphia, PA
27. Patel A, **Pustake M**, Ganiyani MA, Khosla A, Aziz N, Gul A, Garje R. Aging and global cancer burden: A population-based comparative situation analysis. 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Care Delivery and Quality Care Track.

28. Podder V, Ganiyani MA, Ahmad S, Bellur SS, Khokhar MA, Ayoobkhan FS, **Pustake M**, Jayram DK, Ozair A, Ranjan T, Garje R, Ahluwalia MS. Treatment outcomes of brain metastasis from primary renal cell carcinoma in United States: A National Cancer Database analysis. Poster Presentation: 2024 ASCO Annual Meeting; May 31–June 4, 2024; Chicago, IL. Genitourinary Cancer—Kidney and Bladder Track. Poster Bd 256.
29. **Pustake M**, Ganiyani MA, Khosla A, Harisingani A, **Eysha M**. Trends and demographic disparities in the preferred place of death for bladder cancer patients in the United States (2000–2020) Poster Presentation: 2025 ASCO Genitourinary Cancers Symposium; February 13–15, 2025; San Francisco, CA. Poster Bd E9.
30. **Pustake M**, Ganiyani MA, Khosla A, Harisingani A, Aziz N, Syed S, **Eysha M**, Elchouemi M, Mustafayev FNA, Mustafayev K, Ahluwalia M, Garje R. Comparative safety profiles of lutetium-177 and enzalutamide. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Developmental Therapeutics Track.
31. **Pustake M**, Ganiyani MA, Khosla A, Syed S, Harisingani A, Mustafayev FNA, Mustafayev K, Sarfraz Z, Aziz N, Garje R. Disparities in cancer screening and preventive care access among LGBTQ+ populations [ASCO ANNUAL CONQUER CANCER MERIT AWARD RECIPIENT] Rapid Oral Presentation: 2025 ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Prevention, Risk Reduction, and Genetics Track.
32. **Pustake M**, Khosla AA, Syed S. Disparities in mortality associated with disseminated intravascular coagulation: A US nationwide population-based study using real world data. Poster Presentation: International Society on Thrombosis and Haemostasis 2025 Congress; June 21–25, 2025; Washington, DC.
33. **Pustake M**, Khosla AA, Syed S, Harisingani A. Disparities in PE mortality in US-Mexico border regions: A population-based study. Poster Presentation: International Society on Thrombosis and Haemostasis 2025 Congress; June 21–25, 2025; Washington, DC.
34. **Pustake M**, Patel A, Ganiyani MA, Khosla A, Aziz N, Gul A, Garje R. Aging and global cancer burden. 4th European Congress on Cancer and Oncology Research; November 17, 2024; Rome, Italy 16.
35. Ganiyani MA, Khosla AA, **Pustake M**, Jatwani K, Garje R. The Impact of Metastatectomy on survival rates in patients with Metastatic Clear Cell Renal Cell Carcinoma in the Era of Advanced Systemic Therapies: Insights from a Nationwide Registry Analysis. European Society for Medical Oncology Congress 2025. European Congress Abstract (Accepted but did not present)
36. Qidwai KA, Mustafayev K, Mustafayev FNA, Ganiyani MA, Sarfraz Z, Spiegelman L, Hodgson L, **Pustake M**, Maharaj A, McDermott M, Kalman N, Ochoa C, Kotecha R, Odia Y, Ahluwalia M. Survival and treatment outcomes in head and neck cancer patients with brain metastases (HNC-BM. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Central Nervous System Tumors Track.

37. **Sotelo JW, Togra A** , Shivangini D, McCallum RW. Overcoming Severe Weight Loss in Rumination Syndrome: The Role of J Tube Feeding - A Case Series. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA.
38. **Sotelo JW**, Joyce J, **Togra A** , Lee B, Tirumanisetty P. Gastrointestinal Complications of weight loss medications: Phentermine-Induced Ischemic Colitis. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA.
39. **Sotelo JW, Togra A** , Joyce J, Lee B, Tirumanisetty P. Acute Esophageal Necrosis: An uncommon culprit behind Upper GI Bleeding. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA.
40. Syed S, Khatri SP, Farooq O, Singh A, Rodriguez NG, Ahmed AA, Panjiyar B, Shettywarangale P, **Pustake M**, Navab R, Khan R, Arshad S, Patel K, Ganiyani MA. Efficacy of targeted therapy versus immunotherapy in metastatic colorectal cancer. ASCO Annual Meeting; May 30–June 3, 2025; Chicago, IL. Gastrointestinal Cancer—Colorectal and Anal Track.
41. Syed S, Patel RP, Kakarla M, Panjiyar BK, Mehta S, Kumar S, FNU Safa, Khan SM, Ortega J, Sunkara SM, Khan K, **Pustake M**. Rifaximin vs. Lactulose for Hepatic Encephalopathy: A Systematic Review. DDW ePoster 4156880; Abstract Tu1596. Digestive Disease Week; May 6, 2025; [San Diego, CA]. AASLD Track: Liver Diseases
42. **Togra A** , **Sotelo JW**, Sheth N, Nguyen PT, Lee B, **Mahapatra S**, **Badillo R**. Trends and Design Aspects of Ongoing ERCP Clinical Research – Analysis of Studies Registered in U.S. Clinical Trial Registry. Abstract presented at: ACG 2024 Annual Meeting; October 25-30, 2024; Philadelphia, PA.

#### ABSTRACTS PRESENTED AT LOCAL MEETINGS

1. Alba RA, Alfaori Q, Carlson T, Omidvarnia S, **Bies JJ**, **Htay T**. Complex Cardiovascular Morbidities in Prader-Willi Syndrome: A Multidisciplinary Approach. Presented at the 16th Annual Research Symposium as a poster presentation. April 5, 2024; El Paso, Texas.
2. Alba R, Omidvarnia S, **Bies JJ**. Breaking Barriers: Interdisciplinary Approach to Healthcare Delivery in Resource-Limited Areas. Presented at the 5th Annual Global Health Conference as a poster presentation. March 22, 2024; El Paso, Texas.
3. Alba R, Omidvarnia S, **Bies JJ**, **Htay T**. Cirrhotic Decompensation in Wilson Disease: A Comprehensive Approach to Management. Presented at the 16th Annual Research Symposium as a poster presentation. April 5, 2024; El Paso, Texas.
4. **Botros M**, **Mahapatra S**, Bracamontes C, **Htay T**. Improving Residents' Knowledge on Smoking Cessation Interventions in a US-Mexican Border City. Poster presented: 17th Annual Research Symposium. April 2025.

#### ABSTRACTS PRESENTED AT REGIONAL MEETINGS

1. Aboudawoud O, Assi H, Ali S, Vu CT, Chaudhry S, **Prakash S, Hassan M, Nadella S, Parson MC, Rondla M, Bies JJ, Porres-Aguilar M.** A rare case of autoimmune hemolytic anemia. Presented at Southern Regional Meeting as a poster presentation. Feb 22, 2024; New Orleans, LA. Am J Med Sci. 2024 Feb 1;367. DOI: 10.1016/S0002-9629(24)00329-X.
2. Aboudawoud O, Assi H, Murguia AR, **Hassan M, Nadella S, Prakash S, Deoker A.** Metastatic breast cancer and coinciding meningioma presenting as an acute stroke. Am J Med Sci. 2024 Feb 1;367
3. Ahmed F, **Kasianchyk M, Maharaj S.** "Stop The Bleed": A Rare Case of Acquired Hemophilia A Transformed by Emicizumab. 2023 Texas ACP Annual Meeting, South Padre Island. 1st place winner, Medical Student Podium Presentation.

## OPEN, ACTIVE, ONGOING RESEARCH

### Investigator Initiated Research Studies

#### GRANT FUNDED

1. **Saving Sight Vision Protection and Blindness Prevention in Diabetes** PI - **Tamis Bright, MD**. DKBmed/Regeneron - 07/01/2021 – 10/04/2025 **\$170,000**
2. **Pilot Program for Prevention of Chronic Kidney Disease Progression in El Paso Texas** PI – **Richard McCallum, MD** TTUHSC El Paso SEED grant 05/15/2022 – 05/31/2025 **\$19,988**
3. **A multicenter double blind randomized placebo controlled parallel study to assess the efficacy of 5 HT4 agonist prucalopride for the treatment of diabetic and idiopathic gastroparesis.** Co-PIs- **Richard McCallum, MD and Irene Sarosiek, MD** National Institutes of Health - National Institute of Diabetes and Digestive and Kidney Diseases (NIH/NIDDK) 07/01/2022 – 06/30/2027 **\$2,000,000**

FY 21	\$400,000
FY 22	\$400,000
FY 23	\$400,000
FY 24	\$400,000
FY 25	\$384,000
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	\$1,984,000

4. **Characterization and Clinical Course of Symptoms and Gastric Emptying in Pediatric Participants with Symptoms of Gastroparesis** Co-PIs- **Richard McCallum, MD and Irene Sarosiek, MD** National Institutes of Health – National Institute of Diabetes and Digestive Kidney Diseases (NIH/NIDDK) 08/15/2023 – 07/31/2025 **\$123,600**

FY24	\$61,800
FY25	\$61,800
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	\$123,600

5. **Evaluation of Safety and Thrombotic Effect of Ascending doses of TS23 in subjects with intermediate risk acute pulmonary embolism** PI- **Nils Nickel, MD** National Heart Lung and Blood Institute (NIH/DHHS) 01/01/2024-03/31/2025 **\$122,000**



## DEPARTMENT OF INTERNAL MEDICINE SMALL PROJECTS FUNDED

### Cycle 15

- Dr Shrilekha Sairam: **Neutrophil Lymphocyte Ratio and Neutrophil: Gobulin Ratio in Patients with Autoimmune Hepatitis vs Those with Elevated Transaminases from other causes**
- Dr Nils Nickel: **A clinic-community targeted social prescription to help pulmonary hypertension patients reach their goals**
- Dr Kazuo Okajima: **Safety and effectiveness outcome of dual anti platelet therapy (DAPT) in patients' post percutaneous coronary intervention (PCI) in predominantly Hispanic population**
- Dr Abhinav Vulisha: **Burden of Extended Hospital stay in a border population**

## PHARMACEUTICALLY SPONSORED CLINICAL RESEARCH STUDIES

1. **A Phase 3, Randomized multicenter open label two arm study to evaluate the pharmacokinetics efficacy and safety of subcutaneous administration of the fixed dose combination of pertuzumab and trastuzumab and chemotherapy in patients with her2 positive early** Pharmaceutical Sponsor: Genentech, Inc. Site Investigator: **Sumit Gaur, MD**
2. **A Phase 3 multicenter randomized open label study evaluating the efficacy and safety of inavolisib plus fulvestrant versus alpelisib plus fulvestrant in patients with hormone receptor positive her2 negative pik3ca mutated locally advanced or metastatic breast cancer who progressed during or after cdk4/6 inhibitor and endocrine combination therapy** Pharmaceutical Sponsor: Genentech, Inc. Site Investigator: **Sumit Gaur, MD**
3. **A Phase 3 Randomized Controlled Study of Renal Autologous Cell Therapy (REACT) In Subjects With Type 2 Diabetes And Chronic Kidney Disease.** Pharmaceutical Sponsor: ProKidney Site Investigator: **Fernanda Payan-Schober, MD**
4. **IMPACT on Revascularization Outcomes of intravascular ultrasound guided treatment of complex lesions and economic impact.** Pharmaceutical Sponsor: MedStar Health Research Institute. Site Investigator: **Manu Rajachandran, MD**
5. **A Phase 3 Double Blind Randomized Placebo Controlled Study of Levosimendan in Pulmonary Hypertension Patients With Heart Failure With PH HFpEF** Pharmaceutical Sponsor: Medpace Inc.. Site Investigator: **Nils Nickel, MD**
6. **A Phase 3 Randomized Double blind Placebo controlled Eventdriven Study to Demonstrate the Efficacy and Safety of Milvexian an Oral Factor Xa Inhibitor**

**After a Recent Acute Coronary Syndrome** Pharmaceutical Sponsor: Janssen  
Pharmaceutical.. Site Investigator: **Chanwit Roongsritong, MD**

- 7. A Randomized DoubleBlind PlaceboControlled Multicenter Study to Evaluate the Efficacy and Safety of CIN102 Deudomperidone in Adult Subjects with Diabetic Gastroparesis Investigational Product CIN102 deudomperidone** Pharmaceutical Sponsor: Medpace. Site Investigator: **Richard W. McCallum, MD**
- 8. A Phase III, Multicentre, Randomised, Double-blind, Parallel-group, Placebo-controlled Study to Evaluate the Efficacy and Safety of Tozorakimab (MEDI3506) in Patients Hospitalised for Viral Lung Infection Requiring Supplemental Oxygen (TILIA).** Pharmaceutical Sponsor: Astra Zeneca Site Investigator: **Sheldon Rao, MD**
- 9. Evaluation of Safety and Thrombotic Effect of Ascending doses of TS23 in subjects with intermediate risk acute pulmonary embolism** Pharmaceutical Sponsor: Translational Sciences; Site Investigator: **Nils Nickel, MD**