

Annual Research Productivity Report



TTUHSC EL PASO

Texas Tech University Health Sciences Center El Paso

DEPARTMENT OF INTERNAL MEDICINE
FOSTER SCHOOL OF MEDICINE



Department of Internal Medicine
2023 Academic Year
July 1, 2022 – June 30, 2023



Prepared by Christina G. Bracamontes

Dear Friends,

I am pleased to bring to you the **Department of Internal Medicine's Annual Research Productivity Report for 2023**.

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 **47** peer-reviewed publications, **two** 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 of the journals they are published in. Let me take this opportunity to congratulate our faculty, residents and fellows, who despite an extremely busy clinical workload these past several months, 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 among 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 and 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.

Finally, I wish all of you a fun and productive fall season!

A handwritten signature in black ink that reads "Debabrata". The script is cursive and fluid.

Debabrata Mukherjee, M.D., M.S.
Chair, Department of Internal Medicine

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PubMed Publications TTUHSC El Paso Dept. of Internal Medicine 2022-2023*
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*Citation format – Uniform requirements for manuscripts submitted to biomedical journals:
International Committee of Medical Journal Editors

PUBMED PEER REVIEW PUBLICATIONS

JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS

Published, peer reviewed publications, listed in PubMed

1. Greathouse KL, Wyatt M, Johnson AJ, Toy EP, Khan JM, Dunn K, **Clegg DJ**, Reddy S. [Diet-microbiome interactions in cancer treatment: Opportunities and challenges for precision nutrition in cancer](#). *Neoplasia*. 2022 Jul;29:100800. doi: 10.1016/j.neo.2022.100800. Epub 2022 Apr 29. PMID: [35500546](#)
2. Antwi-Amoabeng D, **Roongsritong C**, Taha M, Beutler BD, Awad M, Hanfy A, Ghuman J, Manasewitsch NT, Singh S, Quang C, Gullapalli N. [SVEAT score outperforms HEART score in patients admitted to a chest pain observation unit](#). *World J Cardiol*. 2022 Aug 26;14(8):454-461. doi: 10.4330/wjc.v14.i8.454. PMID: [36160811](#)
3. Dubey P, Reddy S, Singh V, Shi T, Coltharp M, **Clegg D**, Dwivedi AK. [Association of Exposure to Phthalate Metabolites With Sex Hormones, Obesity, and Metabolic Syndrome in US Women](#). *JAMA Netw Open*. 2022 Sep 1;5(9):e2233088. doi: 10.1001/jamanetworkopen.2022.33088. PMID: [36149653](#)
4. Frankl JA, An Y, Sherwood A, Hao G, Huang FY, Thapa P, **Clegg DJ**, Sun X, Scherer PE, Öz OK. [Comparison of BMIPP-SPECT/CT to 18FDG-PET/CT for Imaging Brown or Browning Fat in a Preclinical Model](#). *Int J Mol Sci*. 2022 Apr 28;23(9):4880. doi: 10.3390/ijms23094880. PMID: 35563272; PMCID: PMC9101718.
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6. **Maharaj S**, Chang S. [Clinical Utility of Neutrophil to Lymphocyte Ratio in Sickle Cell Disease With Vaso-Occlusive Crisis](#). *Hematol Oncol Stem Cell Ther*. 2023 Jan 12;16(1):79-82. doi: 10.56875/2589-0646.1046. PMID: [36634279](#)
7. Oneglia AP, Szczepaniak LS, Jaffery MF, CIPHER DJ, McDonald JG, Haykowsky MJ, Moreau KL, **Clegg DJ**, Zaha V, Nelson MD. [Myocardial steatosis impairs left ventricular diastolic-systolic coupling in healthy humans](#). *J Physiol*. 2023 Apr;601(8):1371-1382. doi: 10.1113/JP284272. Epub 2023 Mar 18. PMID: 36891609; PMCID: PMC10318480.

8. Ream S, Ma J, Rodriguez T, Sarabia-Gonzalez A, Alvarado LA, Dwivedi AK, **Mukherjee D**. [Ethnic/racial differences in risk factors and clinical outcomes among patients with amyloidosis](#). *Am J Med Sci*. 2023 Mar;365(3):232-241. doi: 10.1016/j.amjms.2022.12.009. PMID: [36543303](#).
9. Parkman HP, Blackford AL, Murray HB, Yates KP, Grover M, Malik Z, Schey R, Bulat RS, Koch KL, **Sarosiek I**, Kuo B, Shulman RJ, Chumpitazi BP, Farrugia G, Miriel L, Tonascia J, Hamilton F, Pasricha PJ, **McCallum RW**, Abell TL; [NIDDK Gastroparesis Clinical Research Consortium](#). [Characteristics and outcomes of patients with gastroparesis using enteral and/or exclusive parenteral nutrition](#). *JPEN J Parenter Enteral Nutr*. 2023 May;47(4):541-549. doi: 10.1002/jpen.2493. Epub 2023 Mar 22. PMID: [36871132](#)
10. Parkman HP, Yates KP, **Sarosiek I**, Bulat RS, Abell TL, Koch KL, Kuo B, Grover M, Farrugia G, Silver P, Abdullah A, Maurer AH, Malik Z, Miriel LA, Tonascia J, Hamilton F, Pasricha PJ, **McCallum RW**; [NIDDK Gastroparesis Clinical Research Consortium](#). [Bupirone for early satiety and symptoms of gastroparesis: A multi-centre, randomised, placebo-controlled, double-masked trial \(BESST\)](#). *Aliment Pharmacol Ther*. 2023 Jun;57(11):1272-1289. doi: 10.1111/apt.17479. Epub 2023 Apr 13. PMID: 37052334
11. Zoni CR, **Mukherjee D**, Gulati M. [Proposed new classification for acute coronary syndrome: Acute coronary syndrome requiring immediate reperfusion](#). *Catheter Cardiovasc Interv*. 2023 Jun;101(7):1177-1181. doi: 10.1002/ccd.30667. Epub 2023 Apr 16. PMID: [37061867](#)

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1. **Aung K**, Htay T. [In BPPV, canalith repositioning maneuver increased symptom resolution vs. vestibular suppressants](#). *Ann Intern Med*. 2023 Apr;176(4):JC47. doi: 10.7326/J23-0015. Epub 2023 Apr 4. PMID: 37011392.
2. **Aung K**, Htay T. [In hypertension, evening vs. morning dosing of antihypertensive drugs did not differ for major CV outcomes at 5.2 y](#). *Ann Intern Med*. 2023 Feb;176(2):JC16. doi: 10.7326/J22-0116. Epub 2023 Feb 7. PMID: 36745893.
3. **Chaganti B**, **Lange RA**. [Treatment of Hypertension Among Non-Cardiac Hospitalized Patients](#). *Curr Cardiol Rep*. 2022 Jul;24(7):801-805. doi: 10.1007/s11886-022-01699-0. Epub 2022 May 7. PMID: 35524879
4. **Hechanova LA**, Mubarak M, Jahangiri D, Bilbao J, Mostafavi L, Sadighpour T, Tolouian R. [Risk stratification and long-term kidney survival in IgA nephropathy with particular emphasis on Oxford classification; A narrative review](#). *J Nephrothol* 2022; 11(4):18395. DOI: 10.34172/jnp2022.18395.

5. **Hechanova A**, Mostafizi P, Rad K, Tolouian R. [The ferric conundrum: which intravenous iron preparations are preferred for chronic kidney disease patients?](#) *J Nephropathol.* 2022;11(x):e17372. DOI: 10.34172/jnp.2022.17372.
6. Palmer BF, **Clegg DJ**. [Respiratory Acidosis and Respiratory Alkalosis: Core Curriculum 2023.](#) *Am J Kidney Dis.* 2023 Jun 20:S0272-6386(23)00610-8. doi: 10.1053/j.ajkd.2023.02.004. Epub ahead of print. PMID: 37341662.
7. Palmer BF, **Clegg DJ**. [Cerebral Salt Wasting Is a Real Cause of Hyponatremia: COMMENTARY.](#) *Kidney360.* 2023 Apr 1;4(4):e445-e447. doi: 10.34067/KID.0001452022. Epub 2022 Jun 2. PMID: 37103961.
8. Palmer BF, **Clegg DJ**. [Pathophysiology and clinical management of hyperkalemia in chronic kidney disease.](#) *Minerva Med.* 2023 Mar 13. doi: 10.23736/S0026-4806.23.08465-3. Epub ahead of print. PMID: 36912858.
9. Palmer BF, **Clegg DJ**. [Kidney-Protective Effects of SGLT2 Inhibitors.](#) *Clin J Am Soc Nephrol.* 2023 Feb 1;18(2):279-289. doi: 10.2215/CJN.09380822. Epub 2022 Oct 20. PMID: 36220189.
10. **Rajachandran M, Nickel N, Lange RA**. [Sleep apnea and cardiovascular risk.](#) *Curr Opin Cardiol.* 2023 May 19. doi: 10.1097/HCO.0000000000001065. Epub ahead of print. PMID: 37382140.
11. Zientek E, Talkington K, Gardner J, Guo Y, **Mukherjee D, Rajachandran M, Siddiqui TS, Nickel NP**. [Low-Dose Alteplase versus Conventional Anticoagulation to treat Submassive Pulmonary Embolism in Hispanic Patients.](#) *International Journal of Angiology.* 2022 Dec.

REVIEW – META ANALYSIS

- 1) **Porres-Aguilar M**, Rosovsky RP, Rivera-Lebron BN, Kaatz S, **Mukherjee D**, Anaya-Ayala JE, Jimenez D, Jerjes-Sánchez C. [Pulmonary embolism response teams: Changing the paradigm in the care for acute pulmonary embolism.](#) *J Thromb Haemost.* 2022 Nov;20(11):2457-2464. 2022 Aug 16. PMID: [35895858](#)
- 2) **Porres-Aguilar M M, Mukherjee D, Didia SC**, Lazo-Langner A. [Which are the optimal thromboprophylaxis strategies for hospitalized patients with COVID-19? current controversies.](#) *Vascular.* 2022 Sep 8:17085381221126235. PMID: [36076354](#)
- 3) Newmaster K, Zhu Z, Bolt E, Chang RJ, Day C, Mhanna A, Paudel S, Farooq O, Swaminathan A, **Acharya P**, Cheungpasitporn W, Gupta S, Samanta D, Mahfooz N, Mainali G, Carney PR, Naik S. [A Review of the Multi-Systemic Complications of a Ketogenic Diet in Children and Infants with Epilepsy.](#) *Children (Basel).* 2022 Sep 10;9(9):1372. PMID: [36138681](#)

- 4) Mares A, **Mukherjee D**, Lange RA, Nickel NP. Targeted Therapies in Patients with Pulmonary Arterial Hypertension Due to Congenital Heart Disease. *Curr Vasc Pharmacol*. 2022 Sept 19;20(4):341-360. PMID: [36125818](#)
- 5) Papanas N, Mikhailidis DP, **Mukherjee D**. All journals should include a correspondence section. *World J Gastroenterol*. 2022 Oct 21;28(39):5731-5734. doi: 10.3748/wjg.v28.i39.5731. PMID: [36338893](#)
- 6) Aung SSM, **Roongsritong C**. A Closer Look at the HEART Score. *Cardiol Res*. 2022 Oct;13(5):255-263. doi: 10.14740/cr1432. Epub 2022 Oct 25. PMID: [36405228](#)
- 7) Thongprayoon C, Radhakrishnan Y, Jadlowiec CC, Mao SA, Mao MA, Vaitla P, **Acharya P**, Leeaphorn N, Kaewput W, Pattharanitima P, Tangpanithandee S, Krisanapan P, Nissaisorakarn P, Cooper M, Cheungpasitporn W. Characteristics of Kidney Recipients of High Kidney Donor Profile Index Kidneys as Identified by Machine Learning Consensus Clustering. *J Pers Med*. 2022 Dec 1;12(12):1992. PMID: [36556213](#)
- 8) **Porres-Aguilar M**, Ansell J, **Mukherjee D**, Cota-Rangel X, Martínez-Zubieta R, Carrillo-Esper R, Burnett AE. Impact of Hospital-based Multidisciplinary Anticoagulation Stewardship Programs. *Arch Med Res*. 2023 Jan;54(1):1-6. 2022 Dec 5. PMID: [36481128](#)
- 9) Pasricha PJ, Grover M, Yates KP, Abell TL, Koch KL, **McCallum RW**, **Sarosiek I**, Bernard CE, Kuo B, Bulat R, Shulman RJ, Chumpitazi BP, Tonascia J, Miriel LA, Wilson LA, Van Natta ML, Mitchell E, Hamilton F, Farrugia G, Parkman HP; NIDDK/NIH GpCRC consortium. Progress in Gastroparesis - A Narrative Review of the Work of the Gastroparesis Clinical Research Consortium. *Clin Gastroenterol Hepatol*. 2022 Dec;20(12):2684-2695.e3. doi: 10.1016/j.cgh.2022.05.022. Epub 2022 Jun 7. PMID: [35688353](#)
- 10) Nguyen B, Acharya C, Tangpanithandee S, Miao J, Krisanapan P, Thongprayoon C, Amir O, Mao MA, Cheungpasitporn W, **Acharya P**. Efficacy and Safety of Plasma Exchange as an Adjunctive Therapy for Rapidly Progressive IgA Nephropathy and Henoch-Schönlein Purpura Nephritis: A Systematic Review. *Int J Mol Sci*. 2023 Feb 16;24(4):3977. PMID: [36835388](#)
- 11) Thongprayoon C, Vaitla P, Jadlowiec CC, Mao SA, Mao MA, **Acharya P**, Leeaphorn N, Kaewput W, Pattharanitima P, Tangpanithandee S, Krisanapan P, Nissaisorakarn P, Cooper M, Cheungpasitporn W. Differences between kidney retransplant recipients as identified by machine learning consensus clustering. *Clin Transplant*. 2023 Feb 17:e14943. PMID: [36799718](#)
- 12) **Porres-Aguilar M**, Anaya-Ayala JE, **Mukherjee D**. Review of Pulmonary Embolism. *JAMA*. 2023 Feb 21;329(7):592. PMID: [36809328](#)

- 13) Thongprayoon C, Vaitla P, Jadlowiec CC, Leeaphorn N, Mao SA, Mao MA, Qureshi F, Kaewput W, Qureshi F, Tangpanithandee S, Krisanapan P, Pattharanitima P, **Acharya P**, Nissaisorakarn P, Cooper M, Cheungpasitporn W. [Distinct Phenotypes of Non-Citizen Kidney Transplant Recipients in the United States by Machine Learning Consensus Clustering](#). *Medicines (Basel)*. 2023 Mar 27;10(4):25. PMID: [37103780](#)
- 14) Mares AC, **Mukherjee D**. [Influenza vaccination in mitigating vascular events and risk](#). *Curr Opin Cardiol*. 2023 Jul 1;38(4):327-330. doi: 10.1097/HCO.0000000000001018. Epub 2022 Dec 28. PMID: [36728725](#).

CASE REPORTS

- 1) Barsi ZE, Allen J, **Meza A**. [More Than a Case of Cellulitis: Pasteurella multocida Bacteremia](#). *Cureus*. 2023 Mar 13;15(3):e36096. PMID: [37065280](#)

EDITORIAL/COMMENTARY

- 1) Mares AC, Chatterjee S, and **Mukherjee D**. [Semaglutide for weight loss and cardiometabolic risk reduction in overweight/obesity](#). *Curr Opin Cardiol*. 2022 July 37(4):350-355. doi: 10.1097/HCO.0000000000000955. PMID: [35175229](#)
- 2) **Mukherjee D**, Mikhailidis DP. Editorial: [the year in lipids and emerging risk factors](#). *Curr Opin Cardiol*. 2022 Jul 1; 37(4):334-335. doi: 10.1097/HCO.0000000000000977. PMID: [35731678](#)
- 3) **Porres-Aguilar M, Mukherjee D**, Lazo-Langner A. [Thromboprophylaxis Strategies for Hospitalized Patients With COVID-19](#). *Chest*. 2022 Jul;162(1):e69-e70. PMID: [35809961](#)
- 4) **Maharaj S**, Chang S, Kloecker G, Chesney J, Redman R, Rojan A. [Venous and arterial thromboembolism with immunotherapy compared to platinum-based therapy](#). *Thromb Res*. 2022 Sep;217:48-51. doi: 10.1016/j.thromres.2022.07.006. Epub 2022 Jul 14. PMID: [35853370](#)
- 5) **Mukherjee D**, White CJ. [Role of IVUS Imaging During Arterial and Venous Lower Extremity Interventions: Hype or Meaningful Benefits?](#) *JACC Cardiovasc Interv*. 2022 Aug 8;15(15):1579-1581. doi: 10.1016/j.jcin.2022.06.017. PMID: [35926924](#)
- 6) **Porres-Aguilar M**. [Factor XI Inhibitors for the Prevention of Thrombosis: Towards Safer Anticoagulation Strategies](#). *Arch Med Res*. 2023 Feb;54(2):160-161. 2022 Dec 13. PMID: [36522193](#)
- 7) **McCallum RW**. [Saying goodbye and remembering](#). *J Investig Med*. 2022 Dec;70(8):1661. doi: 10.1136/jim-2022-123123. PMID: [36455955](#)

- 8) **Mccallum R.** 2023-Beginning of a new era for JIM: Happy New Year!! *J Investig Med.* 2023 Jan;71(1):3. doi: 10.1177/10815589221145765. PMID: [36655320](#)
- 9) Vashee C, Mares A, Lehker A, **Mukherjee D.** **Optimal Treatment of Tapered Coronary Artery Lesions.** *Angiology.* 2023 May;74(5):405-406. doi: 10.1177/00033197221127598. PMID: [36113090](#)
- 10) **Porres-Aguilar M,** Rosovsky RP, Jiménez D, **Mukherjee D,** Rivera-Lebron BN, Kaatz S, Anaya-Ayala JE, Jerjes-Sánchez C. "Pulmonary embolism response teams: changing the paradigm in the care for acute pulmonary embolism": reply. *J Thromb Haemost.* 2023 May;21(5):1390-1392. doi: 10.1016/j.jtha.2023.02.001. PMID: [37121622](#)

BOOKS/BOOK CHAPTERS

BOOK CHAPTERS

1. **Hechanova LA.** **Renal Replacement Therapy.** Merck Manual Professional Version, edited by *Robert E Porter, Merck & Co, Inc.* September 2022. <https://www.merckmanuals.com/professional/genitourinary-disorders/renal-replacement-therapy/overview-of-renal-replacement-therapy>
2. **Hechanova LA.** **Dialysis.** Merck Manual Consumer Version, edited by *Robert E Porter, Merck & Co, Inc.* September 2022. <https://www.merckmanuals.com/home/kidney-and-urinary-tract-disorders/dialysis/dialysis>

ABSTRACTS

1. Parkman H, ... **Sarosiek I, McCallum RW.** **Relationship among intrastric distribution during Gastric Emptying Scintigraphy, Water Consumption during water load satiety testing, and symptoms of gastroparesis.** Abstract # 3863260 DDW 2023 Presented at Gastroparesis and Small Intestinal Dysmobility Meeting May 2023
2. Grover M, ... **Sarosiek I, McCallum RW.** **Multiomic Characterization of Gastric Muscularis Propria in Idiopathic Gastroparesis.** DDW 2023 Presentation May 2023
3. **Sarosiek I, McCallum RW.** **Relationships among Water Load Satiety Testing, Gastric Retention Scintigraphy, and Gastrointestinal Symptoms in Children with Gastroparesis and Gastroparesis-like Symptoms.** DDW 2023 Research Forum Session presented at AGA Pediatric Gastroenterology Hepatology and Nutrition (PGHN) May 2023
4. Parkman H, ... **Sarosiek I, McCallum RW.** **Buspirone for Early Satiety and Symptoms of Gastroparesis: A Multicenter, Randomized, Placebo-Controlled, Double-Masked Trial (BESST).** DDW 2023 Research Forum Session presented at AGA Pediatric Gastroenterology Hepatology and Nutrition (PGHN) May 2023

5. Vaitla P, Thongprayoon C, Jadlowiec C, Leeaphorn N, Mao M, **Acharya P**, Cooper M, Cheungpasitporn W. [Phenotypes of Non- Citizen Kidney Transplant Recipients in Unites States by Machine Learning Consensus Clustering](#) American Transplant Congress Annual meeting 2022
6. Willauer, A. N., **Zuckerman, M.**, Alomari, A., Salaiz, R. A., Casner, N., Alvarado, L. A., ... & Shokar, N. K. (2022). [COLORECTAL NEOPLASIA PREVALENCE IN A PREDOMINANTLY HISPANIC COMMUNITY: RESULTS FROM A COLORECTAL CANCER SCREENING PROGRAM.](#) *Gastrointestinal Endoscopy*, 95(6), AB155-AB156.
7. Tozzi, Federico MD; Alvarado, Luis A PhD; Aguirre, Katherine PhD; Tyroch, Alan H MD, FACS; **Elhanafi, Sherif MD**; Philipovski, Alexander MD; Maegawa, Felipe AB MD, FACS; **Gaur, Sumit MD**; Desiderio, Jacopo MD; Konstantinidis, Ioannis MD, FACS. [Trends and Outcomes of Cytoreductive Surgery with HIPEC for Appendiceal Cancer In US.](#) *Journal of the American College of Surgeons* 235(5):p S78-S79, November 2022. | DOI: 10.1097/01.XCS.0000896376.29278.a0
8. Thongprayoon C, Jadlowiec C, Kaewput W, Vaitla P, Mao S, Mao M, Leeaphorn N, Pattharanitima P , Qureshi F, **Acharya P**, Nissaisorakarn P, Cooper M, Cheungpasitporn W [Distinct Phenotypes of Kidney Transplant Recipients in the United States with Limited Functional Status as Identified through Machine Learning](#) American Society of Nephrology 2022
9. Gutierrez, J., Alhariri, S., Hutchinson, A., **Sairam, S.** [Anti-nuclear antibody associated autoimmune diagnoses in a hispanic predominant population.](#) *The American Journal of the Medical Sciences*, 365, S345. ISSN 0002-9629, [https://doi.org/10.1016/S0002-9629\(23\)00639-0](https://doi.org/10.1016/S0002-9629(23)00639-0).
10. Sammons C, **Sairam S.** [Anti-nuclear antibody pattern, titer, and yield of antigen-specific autoantibodies.](#) *The American Journal of the Medical Sciences*. Volume 365, Supplement 1. February 2023, Page S346, ISSN 0002-9629, [https://doi.org/10.1016/S0002-9629\(23\)00641-9](https://doi.org/10.1016/S0002-9629(23)00641-9).
11. Nguyen B, Acharya P C, Tangpanithandee S, Miao J, Krisanapan P, Thongprayoon C, Amir O, Mao,M, Cheungpasitporn, W **Acharya P** [Plasma Exchange as an Adjunctive Therapy for Rapidly Progressive IgA Nephropathy: A Systematic Review](#) National Kidney foundation 2023.
12. Davis P, Tangpanithandee S, Krisanapan P, Thongprayoon C, Miao J, Hassanein M, **Acharya P**, Mao M, Cheunpasitporn W [Contrast induced encephalopathy in patients with chronic kidney disease and End stage kidney disease: A systematic review](#) National Kidney Foundation 2023.

13. Bashashati M, Schmulson MJ, **Sarosiek I**, Robles A, Casner N, Espino K, **Elhanafi SE**, **Zuckerman MJ**. Disorders of Gut-brain Interaction on the US-Mexico Border: A Survey Using Rome IV Criteria. *J Clin Gastroenterol*. 2023 Jun 1. doi: 10.1097/MCG.0000000000001858. Epub ahead of print. PMID: 37267460.

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

JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS **Published, peer reviewed publications, listed in PubMed**

1. Ghush W, Cifuentes L, Campos A, Sacoto D, **De La Rosa A**, Feris F, Calderon G, Gonzalez-Izundegui D, Stutzman J, Hurtado MD, Camilleri M, Acosta A. **Association Between Food Intake and Gastrointestinal Symptoms in Patients With Obesity**. *Gastro Hep Adv*. 2023;2(1):121-128. doi: 10.1016/j.gastha.2022.07.019. Epub 2022 Aug 7. PMID: 36741967; PMCID: PMC9894313.
2. Hurtado MD, Cifuentes L, Campos A, **De La Rosa A**, Kapoor E, Faubion SS, Hensrud DD, Camilleri M, Acosta A. **Sex as an independent variable in the measurement of satiation: a retrospective cohort study**. *Int J Obes (Lond)*. 2022 Dec;46(12):2156-2162. doi: 10.1038/s41366-022-01228-7. Epub 2022 Oct 13. PMID: 36229642; PMCID: PMC9912571.
3. Cifuentes L, Campos A, Sacoto D, Ghush W, **De la Rosa A**, Feris F, McRae A, Bublitz JT, Hurtado MD, Olson J, Acosta A. **Cardiovascular Risk and Diseases in Patients With and Without Leptin-Melanocortin Pathway Variants**. *Mayo Clin Proc*. 2023 Apr;98(4):533-540. doi: 10.1016/j.mayocp.2022.10.028. Epub 2022 Dec 20. PMID: 36549983; PMCID: PMC10079551.
4. Feris F, Ghush W, Campos A, Cifuentes L, **De la Rosa A**, Sacoto D, Fansa S, Anazco D, Hurtado MD, Bublitz JT, Abu Dayyeh BK, Ghanem OM, Kellogg TA, Olson J, Camilleri M, Acosta A. **The Effect of Heterozygous Gene Variants of the Leptin-Melanocortin Pathway on Weight Loss Following Sleeve Gastrectomy**. *Obes Surg*. 2023 May 11. doi: 10.1007/s11695-023-06604-4. Epub ahead of print. PMID: 37166737.
5. Cifuentes L, Ghush W, Feris F, Campos A, Sacoto D, **De la Rosa A**, McRae A, Rieck T, Mansfield S, Ewoldt J, Friend J, Grothe K, Lennon RJ, Hurtado MD, Clark MM, Camilleri M, Hensrud DD, Acosta A. **Phenotype tailored lifestyle intervention on weight loss and cardiometabolic risk factors in adults with obesity: a single-centre,**

- [non-randomised, proof-of-concept study](#). *EClinicalMedicine*. 2023 Mar 24;58:101923. doi: 10.1016/j.eclinm.2023.101923. PMID: [37007741](#); PMCID: PMC10050763.
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BOOKS/BOOK CHAPTERS

BOOK CHAPTERS

1. Miguel A. Valdovinos-Diaz, Andrew J. **Ortega AJ**, **Mohammad Bashashati**, **Richard W. McCallum**
[Book: Handbook of Gastrointestinal Motility and Disorders of Gut-Brain Interactions](#)
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ABSTRACTS

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10. Wissam Ghusn, Sima Fansa, Bryan Nicolalde, **Alan De la Rosa**, Andres [Real World Weight Loss and Metabolic Parameters Outcomes of Semaglutide: A 1-Year Multi-Site Study](#). Acosta, Presented at: Digestive Disease Week 2023. (Poster Mo. 1915)
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20. Damani, S., **Damani DN.**, Redij, R., Sethi, A. K., Muddaloor, P., Kapoor, A., Rajagopal, A., Gopalakrishnan, K., Wang, X. J., Chedid, V. G., Ryu, A. J., Aakre, C. A., & Arunachalam, S.

P. (2023). [On the design of a novel phonoenterogram sensing device using ai assisted computer-aided auscultation](#). Design of Medical Devices Conference, April 2023.

21. **Damani D.N.**, Damani, S., Kapoor, A., Kulkarni, K., Shivaram, S., Araoz, P. A., **Reddy S**, Y., Borlaug, B.A. & Poigai Arunachalam, S. (2022). [Novel Deep Learning Algorithm to Detect Heart Failure With Preserved Ejection Fraction \(hfpef\) Using Computer Aided Auscultation of Phonocardiogram](#). Circulation, 146(Suppl_1), A14758-A14758.
22. Singh, J., Chellapuram, N., Agrawal, U., **Damani D.N.**, Sivasubramaniam, P., Gudmundsdottir, H., Arunachalam, S. P., Nagorney, D. M., Tryty, M. J., Kendrick, M. L., Smoot, R. L., Johnson, G. B., Halfdanarson, T. R., Cleary, S. P. & Vege, S. S. (2022, November). [Pancreatic neuroendocrine tumors – a descriptive study of a 20-year surgical resection cohort at a tertiary institution](#). In American Pancreatic Association 2022 Annual Meeting
23. Chellapuram, N., Singh, J., Agrawal, U., **Damani D.N.**, Sivasubramaniam, P., Gudmundsdottir, H., Arunachalam, S. P., Nagorney, D. M., Tryty, M. J., Kendrick, M. L., Smoot, R. L., Johnson, G. B., Halfdanarson, T. R., Cleary, S. P. & Vege, S. S. (2022, November). [Clinical experience of 66 patients with MEN1 in a surgically resected cohort of 866 patients with pancreatic neuroendocrine tumors \(pNETS\) – A large tertiary institution experience](#). In American Pancreatic Association 2022 Annual Meeting
24. Gaddam, S., Samaddar, P., Khan, M., **Damani D.N.**, Shivaram, S., Roy, S., Dey, S., Mitra, D. & Arunachalam, S. P. (2022, July). [On the Non-invasive Sensing of Arterial Waveform and Hematocrit using Microwaves](#). In 2022 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (AP-S/URSI) (pp. 1070-1071). IEEE.
25. Gaddam, S., Samaddar, P., Khan, M., **Damani D.N.**, Shivaram, S., Roy, S., Mitra, D., Dey, S. & Arunachalam, S. P. (2022, July). [Towards Non-Invasive Mapping of Blood Flow Velocity using Microwaves](#). In 2022 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (AP-S/URSI) (pp. 1326-1327). IEEE.
26. Mohammad Bashashati, **Irene Sarosiek**, Brian Davis, Osvaldo Padilla, **Lee B**, **Ortega AJ**, **Sherif Elhanafi**, **Richard McCallum**. [The Predictors of Outcomes of Gastric Electrical Stimulation and Surgical Pyloroplasty in Refractory Gastroparesis: Gastric Emptying Scintigraphy, Pyloric EndoFLIP or Interstitial Cells of Cajal? \(Poster\)](#). ANMS 2023 – Austin, TX
27. **Lee B**, **Ortega AJ**, Mohammad Bashashati, **Irene Sarosiek**, Osvaldo Padilla, Brian Davis, **Sherif E Elhanafi**, **Richard W McCallum**. [Pyloric Interstitial Cells of Cajal as a Predictor of Response to Gastric Electric Stimulation and Pyloroplasty in Refractory Gastroparesis as Measured by Endoluminal Functional Lumen Imaging Probe \(Meeting Abstract\)](#). Journal of Investigative Medicine. Presented at AFMR SE regional meeting 05/2023

28. **Lee B, Jesus Guzman**, Osvaldo Padilla, Nathaniel Ng, **Sherif E Elhanafi, Marc Zuckerman**. Poorly Cohesive Carcinoma: A Rare Explanation of Abdominal Pain and Obstruction (Poster)
Digestive Disease Week 2023 – Chicago, IL
29. **Lee B**, Jeff Angelo **Taclob J, Ortega AJ, Rayas J, Gian M Galura, Badillo R**. Novel Use of Biliary Extraction Balloon Catheter for Removal of Round Foreign Body in Esophagus (Video Abstract) Video Gastrointestinal Endoscopy
30. **Ortega AJ, Lee B, Mohammad Bashashati, Irene Sarosiek**, Osvaldo Padilla, **Brian R Davis, Sherif E Elhanafi, Richard W McCallum**. Gastric Electrical Stimulation and Surgical Pyloroplasty in Refractory Gastroparesis: Lessons Learned from the Pyloric Interstitial Cells of Cajal and EndoFLIP Pyloric Parameters (Poster). Digestive Disease Week May 2023 – Chicago, IL
31. **Lee B**, Alexandra Armato, **Fatma M Dihowm**. Atypical Metastasis of HPV-Positive Squamous Cell Carcinoma to the Pleura After 3 Years (Abstract). Society of General Internal Medicine 2022 – Orlando, FL. J GEN INTERN MED 37 (Suppl 2), S423 (2022). doi: 10.1007/s11606-022-07653-8
32. **Ortega AJ, Kalas MA**, Sundar Cherukuri, **Lee B, Taclob J, Bhavi Trivedi B, Luis O Chavez, Marc J Zuckerman, Badillo R**. Streamlining Video Capsule Endoscopies: A Quality Improvement Pilot Study (Poster). American College of Gastroenterology October 21-26, 2022 – Charlotte, NC. The American Journal of Gastroenterology. 2022;117:e1087-e1088. doi:10.14309/01.ajg.0000862712.61536.ba
33. **Vahora I, Nadella S, Lingireddy A, Dihowm F**. (April 8, 2022). A sporadic presentation of rare disease - Dermatomyositis sine dermatitis- Diagnosis and management. Society of General Internal Medicine Annual Meeting 2022, Orlando, Florida. PS5-80.April 2022
34. Ream S, **Fadah K, Mukherjee D**. SEX DIFFERENCES IN UTILIZATION AND OUTCOMES OF OPEN SURGICAL REPAIR VERSUS ENDOVASCULAR ANEURYSM REPAIR FOR UNRUPTURED ABDOMINAL AORTIC ANEURYSMS. Journal of the American College of Cardiology. 2023 Mar 7;81(8_Supplement):910-910.
35. Sureen A, **Kreit H, Alhariri S**, Pham H, Bravenec C, **Dah K**, Wahdatyar I, **Vahora I, Yohannan S, Nadella S, Rayas J**, Gardner C. “Improving Abdominal Aortic Aneurysm screening At Texas Tech University Health Science Center At El Paso- Internal Medicine Continuity Clinic.” Architecture of High-Value Health Care National Conference 2022. October 8, 2022. Baltimore Convention Center, Baltimore, MD
36. **Kalas MA, Ortega AJ, Prakash S**, Cherukuri SV, Dang TQ, Robles A, **Zuckerman MJ, Elhanafi SE**. Characteristics of patients with colorectal cancer on screening colonoscopy:

A case-control study in a predominantly Hispanic community. Poster presented at: ACG 2022; October 24 2022; Charlotte, North Carolina. The American Journal of Gastroenterology. 2022;117:e236. doi: 10.14309/01.ajg.0000857944.00234.5e

37. **Taclob J**, Panneerselvam E, **Moreland S**, **Ortega AJ**, **Singhal R**, **Ayvali F**, Cartagena J, Cherukuri S, Ghafouri R, Gutierrez J, **Prakash S**, Tapia J, **Hechanova A**, **Edwards B**, Htay T, **Deoker A**. [Streamlining Preventative Care and Intake Process to Expedite Patient Encounter Efficiency - A Quality Improvement Project](#). Presented as a poster presentation at Association of Program Directors in Internal Medicine Fall Meeting, September 22 - 24, 2022, Sheraton San Diego Hotel and Marina, San Diego CA
38. Sureen A, **Kreit H**, **Alhariri S**, Pham H, Bravenec C, **Dah K**, Wahdatyar I, **Vahora I**, **Yohannan S**, **Nadella S**, **Rayas J**, Gardner C. [Improving AAA Screening Rates in a US-Mexico Border Academic Clinic](#). Presented at Architecture of High Value Health Care National Conference as an oral presentation. October 7, 2022; Baltimore, Maryland.
39. **Chavez L**, **Taclob JA**, **Tatro E**, **Albayati I**, **Badillo R**, **Zuckerman M**, **Elhanafi S**. [The Clinical Utility and Outcomes of Hemospray as Primary vs Salvage Therapy for Endoscopic Hemostasis: A Restrospective Cohort Study](#). Poster presented at Digestive Disease Week 2023, May 6 to 9, 2023 Chicago IL. Gastrointestinal Endoscopy. 2023 Jun 1;97(6):AB1246.
40. **Taclob JA**, **Lee BJ**, **Ortega AJ**, **Sarosiek I**, **McCallum RW**. [Gastric electrical stimulation as a new treatment modality for refractory nausea and vomiting with normal gastric emptying](#). Poster presentation at International Gastrointestinal Electrophysiology Society (iGES) Annual Meeting May 5, 2023, Chicago IL
41. **Trivedi B**, et al. [Median Arcuate Ligament Syndrome Should Be Suspected In Patients With Delayed Gastric Emptying: A Single-Center Case Series Experience"](#) has been accepted for a poster presentation at ANMS in Austin
42. **Reddy S**, **Vahora I**, **Corral J**. ["COVID-19 induced Acquired Amegakaryocytic Thrombocytopenia."](#) SGIM 2023 Annual Meeting, Aurora, CO. May 11 2023.
43. **Yohannan S**, **Rajachandran M**, **Mukherjee D**, Sekhar A. [Multimodality Imaging of Malignant Pericardial Effusion Presenting As Cardiac Tamponade](#). ASE 2023
44. Aravind Sekhar, **Jan Lopes**, Ranjan Dahal, Brenda Flores, Sandesh **Yohannan S**, Amar Patel, Amish Parikh, **Debabrata Mukherje**. (2023, March). [Outcomes after out-of-hospital cardiac arrest \(OHCA\) in predominantly Hispanic population in El Paso \[Poster presented\]](#). Presented at the 72nd Scientific session of the American College of Cardiology, March 2023 *Journal of the American College of Cardiology* 81 (8_Supplement), 1271-1271. New Orleans, LA, USA

45. Sekhar A, **Lopes J**, Dahal R, Flores B, **Yohannan S**, **Patel AR**, Parikh A, and **Mukherjee D**. OUTCOMES AFTER OUT-OF-HOSPITAL CARDIAC ARREST (OHCA) IN PREDOMINANTLY HISPANIC POPULATION IN EL PASO.
46. **Prakash S**, **Dah K**, Ghafouri S, De La Rosa A, **Porres-Aguilar M**. Achieving Therapeutic Anti-Xa Levels Using Rivaroxaban for Venous Thromboembolism in a Morbidly Obese Patient with a BMI > 70. *Blood*. 2022 Nov 15;140(Supplement 1):11379-80.
47. **Fadah K.**, **Gupta K**, **Montanez R**, **Dah K**, Nepal S, **Zuckerman M**, **Elhanafi S**, Dwivedi AK, Alvarado L, **Mukherjee D**, **Okajima K**. E-49 | Moderate to High Precise-DAPT Score Is Associated With Increased Risk of Bleeding and Mortality in a Predominantly Hispanic Population. Poster Presentation - Society for Cardiovascular Angiography and Interventions 2023 Scientific Sessions, May 18-20, 2023, Phoenix, AZ. *Journal of the Society for Cardiovascular Angiography & Interventions*. 2023 May 1;2(3).
48. **Fadah K.**, **Gupta K**, **Montanez R**, **Dah K**, **Nepal S**, **Zuckerman M**, **Elhanafi S**, Dwivedi AK, Alvarado L, **Mukherjee D**, **Okajima K**. E-48 | Safety and Efficacy of Dual Antiplatelet Therapy With Ticagrelor vs Clopidogrel in a Predominantly Hispanic Population. Poster Presentation - Society for Cardiovascular Angiography and Interventions 2023 Scientific Sessions, May 18-20, 2023, Phoenix, AZ. *Journal of the Society for Cardiovascular Angiography & Interventions*. 2023 May 1;2(3).
49. Victor, V., Thakkar, S., Barssoum, K., Patel, H. P., Mohamed, A., **Desai, R.**, Hassib, M., Panaich, S., & Khalife, W. (2022). Outcomes from early initiation of mechanical circulatory support in non-acute myocardial infarction related cardiogenic shock-an analysis of the National Inpatient Sample Database (2015-2018). *Journal of the American College of Cardiology*, 79(9), 485. [https://doi.org/10.1016/s0735-1097\(22\)01476-0](https://doi.org/10.1016/s0735-1097(22)01476-0)
50. **Fadah K.**, Khalafi S, **Lopes J**, Panneerselvam E, **Abolbashari M**, **Okajima K**, **Borges JC**. FALSE-FALSE TENDON: DISSECTING INTRAMYOCARDIAL HEMATOMA DIAGNOSED BY CONTRAST ECHOCARDIOGRAPHY. *Journal of the American College of Cardiology*. 2023 Mar 7;81(8_Supplement):3654-.
51. **Fadah K.** , **Mukherjee D**. Advanced Age Without Percutaneous Coronary Intervention is Associated With Adverse Outcomes in Patients Admitted With ST-Segment Elevation Myocardial Infarction: Nationwide Inpatient Sample Analysis. *Circulation*. 2022 Nov 8;146(Suppl_1):A10308-.
52. **Fadah K.** , Winchester DE. Transcatheter Mitral Valve Repair is Safe in Older Adults: Insight From the Nationwide Inpatient Sample Database. *Circulation*. 2022 Nov 8;146(Suppl_1):A12165-.

53. Parmar K, **Kalas MA**, Khatab Y, Deb A, Elharabi Z, Philipovskiy A. [Understanding prolonged survival in advanced colorectal cancer using genomics - A case series](#). Poster presented at: ACG 2022; October 25 2022; Charlotte, North Carolina. The American Journal of Gastroenterology. 2022;117:e1467. doi: 10.14309/01.ajg.0000865292.29183.d
54. **Kalas MA**, **Guzman J**, Dang T, et al. [The impact of individual and geographical socioeconomic factors on H. pylori management in a predominantly Hispanic population: A retrospective study on the US-Mexico border](#). Poster presented at: DDW 2023, May 6 2023; Chicago, Illinois.
55. **Guzman J**, **Kalas MA**, Dang T, et al. [The efficacy of bismuth based quadruple therapy compared with clarithromycin based triple therapy for helicobacter pylori in a predominantly Hispanic population; A retrospective cohort study](#). Poster presented at: ACG 2022; October 25 2022; Charlotte, North Carolina. The American Journal of Gastroenterology. 2022;117:e1148-e1149.
56. Singhal, R., **Kreit, H.**, **Lingireddy, A.**, Cherukuri, S., Erapuram, J., **Guzman, J.**, Dwivedi, V.S., Ezhapilli, S., **Mukherjee, D.**, **Edwards, B.**, **Hechanova, L.A.**, **Deoker, A.** (2023, April 28). [Implementation of point-of-care ultrasound curriculum to increase resident exposure, knowledge, usability, and competence: A pilot study](#). American College of Physicians 2023 National Abstract Competition/San Diego, CA.
57. Rui Tang, Andrew J. **Ortega AJ**, Janice Rivera, Naila Kausar, Thwe Htay, Darine Kassar, Claudia M. Prospero. [Can MOGAD Cause Fulminant Vision Loss Due to Increased Intracranial Pressure?](#) Presented at NANOS 49th Annual Meeting 03/11-03/16
58. **Ortega AJ**, Cherukuri SV, Bashashati M, **Sarosiek I**, **McCallum RW**, **Elhanafi SE**. S1589 [Effects of Surgical Pyloroplasty on Pyloric EndoFLIP Measurements and Gastric Emptying in Patients With Refractory Gastroparesis and Identification of Pyloric Sphincter Smooth Muscle Pathology](#). Presented at American College of Gastroenterology (ACG) Meeting 2022. Presidential Poster Winner. ACG 2022 Oct 1;117(10S):e1133-4.
59. Patel, Amar; Farooq, Awais; Patel, Avani. (2023, July). [Comparative analysis of artificial intelligence techniques for Cardiogenic Shock: a nationwide analysis](#). [Poster pending presentation]. Cardiovascular Innovations Conference 2023/Austin, TX, USA

Abstracts submitted and accepted for presentation, regional meetings

1. **Alhariri S**, **Bies J**, **Ahmed F**, **Hassan M**, **Sairam S**. [Syphilis and Seronegative Spondyloarthropathy: A Rare Combined Presentation](#). Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences, Volume 365, S41.

2. **Hassan M, Reddy S, Mahapatra S, Alhariri S, Prakash S, Bies J**, Lehker A. **Lymphoid Interstitial Pneumonia in a Patient with Untreated Rheumatoid Arthritis**. Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences AJMS 2023; 365(S1): S43 [https://doi.org/10.1016/S0002-9629\(23\)00086-1](https://doi.org/10.1016/S0002-9629(23)00086-1)
3. **Hassan M, Prakash S, Alhariri S, Bies J, Rayas JL, Taclob J, Corral J**. **Thrombosis with Thrombocytopenia Syndrome in an Unvaccinated Patient with Recent COVID-19 Infection**. Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences 2023; 365: S119. DOI: 10.1016/S0002-9629(23)00230-6.
4. **Bies J, Sotelo J, Hassan M, Prakash S**, Peralta DP. **A Rare Association Between Herpes Simplex Virus Type 1 and Miller-Fischer Syndrome**. Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences 2023; 365: S147. DOI: 10.1016/S0002-9629(23)00282-3.
5. **Bies J, Sotelo JW, Hassan M, Prakash S, Peralta DP**. **Persistent Headaches in an Avid Hiker: A Case of Chronic Coccidioidal Meningitis**. Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences 2023; 365: S147-S148. DOI: 10.1016/S0002-9629(23)00283-5.
6. **Bies JJ, Gyabaah F, Hassan M, Prakash S**, Ho C, Salazar SR, Cartagena J, **Murguia AR, Sharma S, Brockman M**, Peralta DP. **Brazilian Butt Lift Gone Wrong: A Case of Non-Tuberculous Mycobacterial Gluteal Infection in an HIV Infected Woman**. Presented at Southern Regional Meeting as a poster presentation. February 2, 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences 2023; 365: S148.
7. **Zay HH, Bies J, Masebo E**, Htwe T, Lane M. **A Rare Case of Page Kidney with Superimposed Infection**. Presented at AFMR Southeastern Regional Meeting as a poster presentation. May 12, 2023; Washington DC
8. **Brockman M, Ortega AJ**, Mishra K, **Montanez R, Makhija R, Roongsritong C, Borges JC**. **The Clot Thickens: COVID-19 related STEMI in Setting of Recent Booster**. Poster session presented at: TXACP 2022 Annual Scientific Meeting; 2022 Oct 28-30; Dallas, TX.
9. **Trivedi B, Bostros M**, Robles A, Laks S, **Zuckerman M**. **An Unusual case of Hepatic Encephalopathy secondary to Porto-systemic shunts**. Won 3rd place at the Far Northwest Region Texas ACP Clinical Vignette Competition. May 9, 2023. El Paso, TX.

10. Abidi S, **Bostros M**, Abohelwa M, Felberg J. [Pyo-pericardium secondary to bacteremia in intra-venous drug user](#). The American Journal of Medical Sciences, 10.1016/j.amjms.2022.09.002
11. **Bostros M**, **Kalas MA**, Rosas-Blum E, **Sarosiek I**, **McCallum R**. [COVID-19 Induced Gastroparesis in an Adolescent Patient](#). Poster presentation, TXACP 2022
12. Khalafi S, **De La Rosa Vazquez A**, **Dihowm F**. [Extended-Spectrum Beta-Lactamase Escherichia Coli Pneumonia](#). Presented at Southern Regional Meeting as a poster presentation. February 2023; New Orleans, Louisiana.
13. Prakash S, **Kasianchyk M**, **Hassan M**, **Alhariri S**, Nguyen B, Shahinian H. [Metastatic epithelioid angiosarcoma in an arteriovenous fistula](#). Presented at Southern Regional Meeting as a poster presentation. February 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences, Volume 365, S129 - S130.
14. Raynor M, Tang R, **Mahapatra S**, **Reddy S**, et al. [Giant basal cell carcinoma of the scalp, a rare entity](#). Presented at AFMR Southeastern Regional Meeting as a poster presentation. May 12, 2023; Washington DC.
15. Patel, A.R., **Kalas MA.**, **Segovia FD.**, Parikh, A., **Damani D.**, **Trivedi B.**, Rojas, A., Chary, P., Dang, T., **Gupta, K.**, Mathew, J., Abdullah, A., **Guzman, J.**, **Deoker, A.**, **Hechanova, A.**, **Edwards, B.**, **Sarosiek, I.**. (2022, October). [Improving Resident Procedural Competency in an Internal Medicine residency program](#). [Poster presented]. Texas ACP 2022/Dallas, TX, USA.
16. **Rayas JL**, Nguyen B, Hock R, **Hassan M**, **Prakash S**, **Dihowm F**. [Attack of the clones: A Patient with Untreated Aplastic Anemia Presenting With “Classical” Paroxysmal Nocturnal Hemoglobinuria](#). Poster presentation at Southern Regional Meeting, 2023. The American Journal of the Medical Sciences 2023; 365: S131. DOI: 10.1016/S0002-9629(23)00253- 7.
17. **Hassan M**, Chennupati K, Vahora I, **Trivedi B**, **Desai R**, **Chang Lopez A.**” [Spontaneous bacterial peritonitis to spondylodiscitis: A case of wandering E.coli.](#)” Texas ACP October 2022
18. **Prakash S**, **Taclob J**, **Hassan M**, **Bies J**, **Corral J**. [Idiopathic Pulmonary Vein Thrombosis with Left Atrial Extension Treated with Apixaban](#). Poster presentation at Southern Regional Meeting Feb 2, 2023, New Orleans, LA
19. **Alhariri S**, **Hassan M.**, **Prakash S**, Nguyen B, Guvvala S. [Acute motor and sensory axonal neuropathy in a patient with undiagnosed mixed connective tissue disease](#). Poster presentation at Southern Regional Meeting 2023. The American Journal of the Medical Sciences 2023; 365: S388-S389. DOI: 10.1016/S0002-9629(23)00714-0.

20. **Trivedi B, Hassan M, Chavez LO, Lee B, Prakash S, McCallum RW.** [Voila! a new treatment unearthed for intractable hiccups.](#) *The American Journal of the Medical Sciences* 2023; 365: S354. DOI: 10.1016/S0002-9629(23)00654-7. Poster presentation at Southern Society for Clinical Investigation, Southern Regional Meeting 2023 in New Orleans, LA. [https://www.amjmedsci.com/article/S0002-9629\(23\)00654-7/fulltext](https://www.amjmedsci.com/article/S0002-9629(23)00654-7/fulltext)
21. **Taclob J, Alhariri S, Hassan M, Prakash S, Albayati I.** [Shock and Awe: Sudden Onset Upper Gastrointestinal Bleeding in a Previously Undiagnosed Cirrhotic.](#) Presented at Southern Regional Meeting as a poster presentation. February 2023; New Orleans, Louisiana. *The American Journal of the Medical Sciences*, Volume 365, S86 - S87. DOI: 10.1016/S0002-9629(23)00172-6.
22. Jeff Angelo F **Taclob J**, Brian J **Lee B**, Andrew J **Ortega AJ**, Irene **Sarosiek**, Richard W **McCallum.** [Gastric Electrical Stimulation as a New Treatment Modality for Rumination Syndrome \(Oral\).](#) American Federation of Medical Research, Southeastern Regional Meeting May 12, 2023 – Washington, DC
23. **Lingireddy A**, Prakash L, **Nadella S, Vahora I, Rayas J, Maharaj S.** [Nivolumab-Induced Diabetes Mellitus.](#) Presented at the 2023 Far Northwest Texas ACP Clinical Vignette Competition. May 9, 2023
24. **Lingireddy A, Nadella S, Vahora I, Rayas J, Yohannan S, Dihowm F.** [" Oral Myeloid Sarcoma as an Uncommon Manifestation of CML".](#) Presented as a Clinical Vignette at the 2022 Far Northwest Texas ACP Clinical Vignette Competition and also accepted for presentation at Texas ACP Annual Meeting October 2022.
25. **Hassan M, Prakash S, Alhariri S, Bies J, Taclob J, Corral J.** [Thromboembolism and amegakaryocytic thrombocytopenia in an unvaccinated patient with recent COVID-19 infection.](#) Poster presentation at Southern Regional Meeting Feb 2, 2023, New Orleans, LA
26. **Trivedi B, Chavez L**, Robles A, **Zuckerman M**, Qiao J, Al Bayati I. [Diagnosing the Elusive CMV Colitis: a Rare Volcanic Crater Endoscopic Finding.](#) Presented at Texas ACP 2022.
27. **Trivedi B, Bostros M**, Robles A, Shakred L, **Zuckerman M.** [Hepatic Encephalopathy Secondary to Non-cirrhotic Portosystemic Shunt](#) won 3rd place at the Far Northwest Region Texas ACP Clinical Vignette Competition. May 9, 2023
28. **Trivedi B, Desai R, Chavez L, Vahora I, McCallum R.** [Uncovering the secrets of late onset gastric emptying- part of the spectrum of Dumping syndrome.](#) *The American Journal of the Medical Sciences.* 2023 Feb 1;365:S302. DOI: 10.1016/S0002-9629(23)00563-3
[https://www.amjmedsci.com/article/S0002-9629\(23\)00563-3/fulltext](https://www.amjmedsci.com/article/S0002-9629(23)00563-3/fulltext)

29. **Trivedi B, Desai R, Chavez L, Vahora I, McCallum R.** [Uncovering the secrets of late-onset gastric emptying-part of the spectrum of Dumping syndrome.](#) Southern Regional Meeting 2023. New Orleans, Louisiana, February 3, 2023. The American Journal of the Medical Sciences 2023; 365: S302. DOI: 10.1016/S0002-9629(23)00563-3.
30. **Alhariri S,** Gutierrez J, Hutchinson A, Sairam S. [Trend of Gabapentin use in Non-diabetic patients who are Referred to a Rheumatology Clinic.](#) Presented at Southern Regional Meeting as an oral presentation. February 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences, Volume 365, S287.
31. Gutierrez J, **Alhariri S,** Hutchinson A, Sairam S. [Anti-nuclear Antibody Associated Autoimmune Diagnoses in a Hispanic Predominant Population.](#) Presented at Southern Regional Meeting as an oral presentation. February 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences, Volume 365, S345.
32. **Alhariri S, Hassan M, Prakash S,** Nguyen B, Guvvala S. [Acute Motor and Sensory Axonal Neuropathy Syndrome in a Patient with Underlying Mixed Connective Tissue Disease.](#) Presented at Southern Regional Meeting as an oral presentation. February 2023; New Orleans, Louisiana. The American Journal of the Medical Sciences, Volume 365, S388 - S389.
33. **Dah K, Desai R,** Patel A, **Makhija R,** Abolbashari M. [Young Female with Pulmonary Vein Thrombosis Extending into the Left Atrium.](#) Texas ACC, Oct. 2022.
34. Raynor M, **Ortega AJ,** Tang R, **Bostros M, Mahapatra S, Reddy S,** Lane M, Dudrey E, Htay T. [Giant scalp basal cell carcinoma, a rare entity.](#) Presented at AFMR SE regional meeting 05/2023
35. **Ortega AJ,** Bashashati M, Robles A, Davis B, **Sarosiek I, Elhanafi S, McCallum R.** [EndoFLIP and Interstitial Cells of Cajal in Refractory Gastroparesis.](#) Presented at Southern Regional Meeting 02/2023. The American Journal of the Medical Sciences. 2023 Feb 1;365:S301.

Abstracts submitted and accepted for presentation, local meetings

1. **Reddy S , Bies J, Hassan M,** Rojas A, **Prakash S,** Hughes H. [Chemotherapy-resistant stage IIIC germ cell tumor complicated by multiorgan failure & liver capsular hemorrhage.](#) Presented at the 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.
2. **Reddy S, Bies J, Mahapatra S, Hassan M, Prakash S,** Lehker A. [A Mycotic Aneurysm of the Pulmonary Artery Mimicking Rasmussen's Aneurysm.](#) Presented at the TTUHSC El Paso 15th Annual Research Symposium as a poster presentation. April 19, 2023; El Paso, Texas.

3. **Mahapatra S, Bies J, Taclob J, Lee B, Trivedi B**, Ortiz M, **Ortega AJ, Kalas MA, Zuckerman M, Badillo R R**. ERCP in Octogenarian & Nonagenarian Population is safe and effective. Presented at the TTUHSC El Paso 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
4. **Nadella S, Bies J, Reddy S, Hassan M, Prakash S, Alhariri S, Dihowm F**. A Rare Case of Boucher-Neuhauser Syndrome. Presented at the 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.
5. **Bies J, Hassan M, Prakash S, Nadella S, Reddy S, Didia C**. A Rare Case of Progressive Encephalomyelitis with Rigidity & Myoclonus. Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
6. **Nadella S, Bies J, Hassan M, Prakash S, Reddy S, Chang Lopez A**. An unusual finding of Lambd Excrescences on Echocardiogram in a Patient with Ischemic Stroke. Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
7. **Trivedi B, Taclob J, Lee B, Reddy S, Bies J**, Ortiz M, **Kalas MA, Ortega AJ, Zuckerman M, Badillo R**. Quality Improvement Analysis of Patient Adherence with Post-ERCP Follow-up Recommendations in a Predominantly Hispanic Population. Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
8. **Taclob J, Lee B, Trivedi B, Mahapatra S, Bostros M**, Beales J, **Ortega AJ, Kalas MA**, et al. Complete choledocholithiasis clearance rates as a metric for ERCP competency. Poster presented at: Texas Tech 15th Annual Research Symposium; April 2023; El Paso, Texas.
9. **Bostros M, Mahapatra S, Reddy S, Nadella S, Davis H**. Allergic Fungal Sinusitis in an immunocompetent female with intranasal steroid use. A poster presentation, 15th Annual Research Symposium, April 2023, El Paso TX
10. **Bostros M, Reddy S, Mahapatra S, Davis H, Edwards B**. Paroxysmal Sympathetic Hyperactivity Post-electrocution, and Cardiac Arrest. A poster presentation, 15th Annual Research Symposium 2023
11. **Lee B, Trivedi B, Taclob J, Bostros M, Reddy S**, Beales J, **Tatro E, Kalas MA, Ortega AJ, Zuckerman M, Badillo R**. Non-Advanced Endoscopy Fellowship Trainees May Increase Procedure Time and Fluoroscopy Time in ERCP. A poster presentation, 15th Annual Research Symposium April 2023; El Paso, Texas
12. **Meza-Rodriguez S, Vahora I , Mahapatra S, Reddy S, Masebo EM, Gyabaah F, Dihowm F**. Cutaneous Melanoma as a Secondary Primary Cancer Following Ocular Choroidal Melanoma. Presented at the 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.

13. **Gyabaah F, Trivedi B, Prakash S**, Peterson, **Dihowm F**. **Vancomycin-Induced Thrombocytopenia**. Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
14. **Reddy S, Prakash S, Hassan M, Mahapatra S, Kasianchyk M, Maharaj S**. **Don't mistake it for thrombotic thrombocytopenic purpura! Pseudothrombotic microangiopathy in a patient with pernicious anemia**. Presented at the 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.
15. **Reddy S, Vahora I, Alhariri S, Meza-Rodriguez S, Mahapatra S**, Edwards B. **Chronic osteomyelitis of the first costosternal junction in ESRD patient**. Presented at the TTUHSC El Paso 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.
16. Sanjana M, Ward J, **Zay HH, Massebo E, Prakash S, Hassan M, Bies J, Didia C**. **A Rare Case of Male Invasive Ductal Carcinoma with Metastasis**. Presented at the 15th Annual Research Symposium as a poster presentation. April 18, 2023; El Paso, Texas.
17. **Mahapatra S, Reddy S**, et al. **When two worlds collide: Malaria and dengue fever coinfection in West Texas**. Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
18. Tobi, **Trivedi B, Brockman M, Sotelo J, Dihowm**. **Weight Loss Hurts: Atypical Presentation of Gastro-Gastric Fistula Following Gastric Bypass Surgery**. Presented at 15th Annual Research Symposium 2023.
19. **Nadella S, Bies J, Reddy S, Hassan M, Prakash S, Alhariri S, Dihowm F**. **A Rare case of Boucher Neuhauser syndrome**. Presented as a poster for 15th Annual Research Symposium of TTUHSC El Paso April 19, 2023.
20. **Bostros M, Mahapatra S, Reddy S, Davis H**. **Allergic fungal sinusitis in an immunocompromised female with intranasal steroid use**. Presented as a poster for 15th Annual Research Symposium of TTUHSC El Paso April 18, 2023
21. Nagineni L, **Trivedi B, Badillo R**. **Endoscopic cystogastrostomy without ERCP for pancreatic pseudocyst with biliary obstruction management: A case series**. Presented at Texas Tech Research Symposium April 19, 2023.
22. Bradley I, **Trivedi B, Brockman M, Sotelo J, Dihowm F**. **Superior Mesenteric Artery Syndrome in Systemic Lupus Erythematosus**. Presented at Texas Tech Research Symposium April 2023.

23. **Trivedi B**, Mares A, Harindranathan P, **Mukherjee D**, **Hechanova A**, **Edwards B**, **Deoker A**. [A Social Justice Curriculum Implemented among Residents in the US-Mexico Border Region: Impact on Cultural Competency Levels](#). Presented at Global Health Conference in April 2023 and won 2nd place
24. Aravind Sekhar, **Jan Lopes**, Ranjan Dahal, Brenda Flores, **Sandesh Yohannan**, Amar Patel, Amish Parikh, **Debabrata Mukherje**. (2023, April). [Increased prevalence of unfavorable prognostic features in Out-of-Hospital Cardiac Arrests \(OHCA\) presenting to UMC El Paso](#). [Poster Presented]. 15th Annual Research Symposium Texas Tech. El Paso, TX, USA
25. **Fadah K** , Ortiz M, **Deoker A**, **Sarosiek I**, **Mukherjee D**, **Hechanova LA**. [The REMIND program: a Resident-Led Peer Research Mentorship Program to Enhance Scholarly Activity](#). Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
26. **Fadah K** , Cruz Rodriguez JB, **Alkhateeb H** , **Mukherjee D**, Schuller D, **Nickel NP**. [Prognosis in Hispanic patient population with pulmonary arterial hypertension: Risk stratification models](#). Presented at the 15th Annual Research Symposium as a poster presentation. April 2023; El Paso, Texas.
27. **Trivedi B**, **Taclob J**, **Lee B**, **Reddy S**, **Bies J**, Ortiz M, **Kalas MA**, et al. [A quality improvement analysis of patient non-compliance with post-ERCP follow up recommendations in a predominantly Hispanic population](#). Poster presented at: Texas Tech 15th Annual Research Symposium; April 2023; El Paso, Texas.

OPEN, ACTIVE, ONGOING RESEARCH

Investigator Initiated Research Studies

GRANT FUNDED FY23

GRANT FUNDING

- **Saving Sight, Improving Diabetic Eye Screening.** PI- **Tamis Bright, MD.**
DKBmed/Regeneron - 07/01/2021 – 10/04/2025 \$170,000
- **Safety and effectiveness outcomes of dual anti-platelet therapy in patients' postpercutaneous coronary intervention in a predominantly Hispanic population.**
PI- **Kazue Okajima, MD** TTUHSC El Paso SEED Grant – 05/15/2022 – 05/31/2024 \$20,000
- **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 – 05/31/2024 \$19,988
- **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**
DHHS - National Institutes of Health - National Institute of Diabetes and Digestive and Kidney Diseases (NIH/NIDDK) 09/01/2022 – 07/31/2023 \$400,000
- **The Safety and Efficacy of Dual Anti-Platelet Therapy with Ticagrelor Clopidogrel Post Percutaneous Coronary Intervention in a Predominantly Hispanic population** PI- **Kazue Okajima, MD** Lizanell and Colbert Coldwell Foundation – 03/20/2023 – 10/31/2023 \$45,000

Pharmaceutically Sponsored Clinical Research Studies Open, Active Clinical Trials

- **Multicenter Randomized Double Blind Placebo Controlled Parallel Group Phase 2b Study to Evaluate the Efficacy and Safety of Twice Daily Oral Administration of a Peripherally Acting Dopamine Receptor D2 D3 Antagonist TAK 906 for GP**
Pharmaceutical Sponsor: Pharmaceutical Research Associates. Site Investigator: **Richard McCallum, MD and Irene Sarosiek, MD** 03/04/2019 – 08/31/2035
- **A Phase 3, Randomized multicenter open label two are 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** 11/25/2019 – 08/31/2035

- **Mopill Gastrointestinal Pill Study.** Pharmaceutical Sponsor: Rock West Medical Devices. Site Investigators: **Richard McCallum, MD and Irene Sarosiek, MD** 12/19/2019 – 08/31/2035
- **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: **Adeel Ahmad,** 04/05/2022 – 08/31/2035
- **A Phase 2A Placebo controlled Randomized Dose Response Study of the Safety Pharmacokinetics and Efficacy of PCS12852 on Gastric Emptying Rate Assessed by 13C Spirulina GEBT in Patients with Moderate to Severe Gastroparesis.** Pharmaceutical Sponsor: Medspace Inc. Site Investigators: **Richard McCallum, MD and Irene Sarosiek, MD** 08/04/2022 – 08/31/2035
- **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** 08/29/2022 – 08/31/2035
- **A Phase 3, Randomized, Double-Blind, Multicenter Study to Evaluate the Efficacy and Safety of Vonoprazan 10 and 20 mg Compared to Placebo for Relief of Heartburn in Subjects with Symptomatic Non-Erosive Gastroesophageal Reflux Disease (NERD) After 4 Weeks and to Evaluate the Efficacy and Safety of Vonoprazan 10 and 20 mg for Relief of Heartburn in Subjects with NERD After 6 Months** Pharmaceutical Sponsor: Phathom Pharmaceuticals, Inc. Site Investigator: **Zuckerman, Marc, M.D** 04/19/2022 – 08/31/2035
- **Clinical Validation of An Optimized Multi-Target Stool DNA (mt-sDNA 2.0) Test, for Colorectal Cancer Screening “BLUE-C”** Pharmaceutical Sponsor: Exact Sciences Corporation Site Investigator: **Marc Zuckerman, MD** 09/21/2021 – 08/31/2035