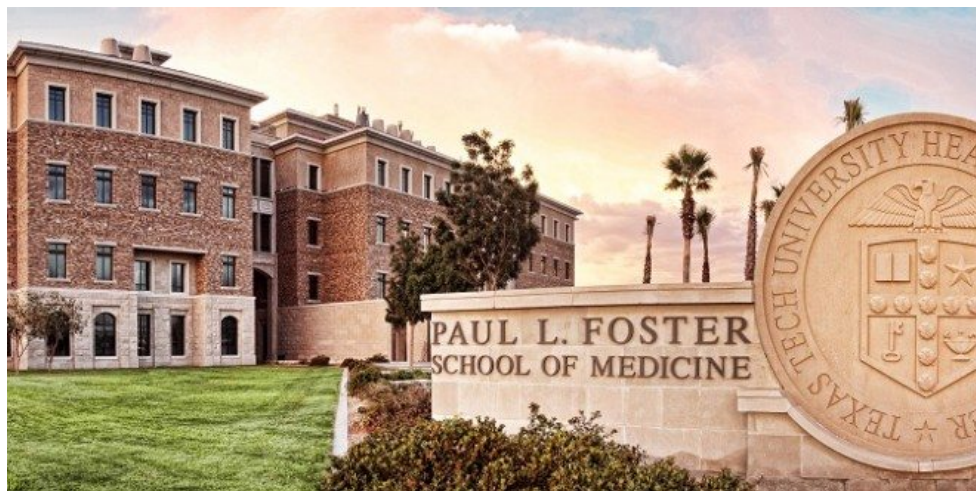


# Annual Research Productivity Report



TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER™  
EL PASO

Paul L. Foster School of Medicine  
*Department of Internal Medicine*



**Department of Internal Medicine**

**FY 2018**

**1 September 2017 – 31 August 2018**

Prepared by: Sean M. Connery

Dear Friends—

I am very pleased to bring to you the annual Internal Medicine departmental research productivity report for FY18. The Department had another productive year with **77** peer reviewed publications, several textbooks chapters and 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. In addition, Department faculty edited two major text books a daunting and impactful undertaking. 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 very productive and reflect their commitment, enthusiasm and also mentoring/guidance by our 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 Mr. Sean Connery.

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.

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

A handwritten signature in black ink that reads "Debabrata". The script is cursive and fluid, with the first letter 'D' being particularly large and stylized.

Debabrata Mukherjee, MD, MS  
Chair, Department of Internal Medicine

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## PubMed Publications TTUHSC El Paso Dept of Internal Medicine 2017-2018\*

### 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. Abolbashari M, **Kar S, Marmol-Velez A**, Ramos-Duran L, **Mukherjee D, Agrawal H**. **Double right coronary artery and its clinical significance: Review of the literature**. Cardiovasc Revasc Med. 2017 Dec;18(8):632-635. PMID: [28778391](#)
2. Al-Bayati I, Saadi M, Elhanafi S, **McCallum RW**. **Effectiveness of Bulking Agent (Solesta) Therapy in Fecal Incontinence in Patients Refractory to Conventional Therapies**. Am J Med Sci. 2017 Nov;354(5):476-479. PMID: [29173359](#)
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4. Calles-Escandón J, Koch KL, Hasler WL, Van Natta ML, Pasricha PJ...**Bright T... McCallum RW, Sarosiek I**, et al; NIDDK Gastroparesis Clinical Research Consortium (GpCRC). **Glucose sensor-augmented continuous subcutaneous insulin infusion in patients with diabetic gastroparesis: An open-label pilot prospective study**. PLoS One. 2018 Apr 13;13(4):e0194759. [PMC5898706](#)
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  10. Joddar B, Tasnim N, Thakur V, Kumar A, **McCallum RW**, Chattopadhyay M. **Delivery of Mesenchymal Stem Cells from Gelatin-Alginate Hydrogels to Stomach Lumen for Treatment of Gastroparesis.** Bioengineering (Basel). 2018 Feb 7;5(1). pii: E12. PMID: [29414870](#)
  11. Liu RP, Romero R, **Sarosiek J**, Dodoo C, Dwivedi AK, **Zuckerman MJ**. **Eradication Rate of Helicobacter pylori on the US-Mexico Border Using the Urea Breath Test.** South Med J. 2018 Jan;111(1):51-55. PMID: [29298370](#)
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- 2) **Agrawal H, Lange R**, Montanez R, Wali S, Mohammad KO, **Kar S**, Teleb M, **Mukherjee D**. **The Role of Percutaneous Coronary Intervention in the Treatment of Chronic Total Occlusions: Rationale and Review of the Literature.** *Curr Vasc Pharmacol.* 2018 Jan 16. PMID: [29345588](#)
- 3) Avalos DJ, Castro FJ, **Zuckerman MJ**, Keihanian T, Berry AC, Nutter B, Sussman DA. **Bowel Preparations Administered the Morning of Colonoscopy Provide Similar Efficacy to a Split Dose Regimen: A Meta Analysis.** *J Clin Gastroenterol.* 2017 Sep 6. PMID: [28885304](#)
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- 5) Bashashati M, Moradi M, **Sarosiak I**. **Interleukin-6 in irritable bowel syndrome: A systematic review and meta-analysis of IL-6 (-G174C) and circulating IL-6 levels.** *Cytokine.* 2017 Nov;99:132-138. PMID: [28886490](#)
- 6) Bhogal S, **Mukherjee D**, Banerjee S, Tan W, Paul TK. **Current Trends and Future Perspectives in the Treatment of Pulmonary Arterial Hypertension: WHO Group II-V.** *Curr Probl Cardiol.* 2018 May;43(5):191-216. PMID: [29174585](#)
- 7) Botrus G, Baker O, Borrego E, Ngamdu KS, Teleb M, Gonzales Martinez JL, Maldonado G 3rd, Hussein AM, **McCallum R**. **Spectrum of Gastrointestinal Manifestations in Joint Hypermobility Syndromes.** *Am J Med Sci.* 2018 Jun;355(6):573-580. PMID: [29891041](#)



- 8) Campbell A, Heydarian R, Ochoa C, Dwivedi AK, Nahleh ZA. **Single arm phase II study of oral vitamin B12 for the treatment of musculoskeletal symptoms associated with aromatase inhibitors in women with early stage breast cancer.** Breast J. 2018 May;24(3):260-268. PMID: [29442401](#)
- 9) Carrion AF, Martin P. **Non-Intensive Care Unit Management of Acute Liver Failure.** Clin Liver Dis. 2018 May;22(2):389-401. PMID: [29605073](#)
- 10) Carrion AF, Martin P. **Glecaprevir + pibrentasvir for treatment of hepatitis C.** Expert Opin Pharmacother. 2018 Mar;19(4):413-419. PMID: [29465262](#)
- 11) Carrion AF, Martin P. **When to Refer for Liver Transplantation.** Am J Gastroenterol. 2018 Aug 31. [Epub ahead of print] PMID: [30171217](#)
- 12) Gajendran M, Loganathan P, Catinella AP, Hashash JG. **A comprehensive review and update on Crohn's disease.** Dis Mon. 2018 Feb;64(2):20-57. PMID: [28826742](#)
- 13) Kar S. **Percutaneous Mechanical Circulatory Support Devices for High-Risk Percutaneous Coronary Intervention.** Curr Cardiol Rep. 2018 Jan 19;20(1):2. PMID: [29350305](#)
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- 18) Paul TK, Bhatheja S, Panchal HB, Zheng S, Banerjee S, Rao SV, Guzman L, Beohar N, Zhao D, Mehran R, **Mukherjee D.** **Outcomes of Saphenous Vein Graft Intervention With and Without Embolic Protection Device: A Comprehensive Review and Meta-Analysis.** Circ Cardiovasc Interv. 2017 Dec;10(12). pii: e005538. PMID: [29246912](#)
- 19) Sardar P, Kundu A, Bischoff M, Chatterjee S, Owan T, Nairooz R, Giri J, Halkos ME, Liberman H, Douglas JS, **Mukherjee D.** **Hybrid coronary revascularization versus coronary artery bypass grafting in patients with multivessel coronary artery disease: A meta-analysis.** Catheter Cardiovasc Interv. 2018 Feb 1;91(2):203-212. PMID: [28471093](#)
- 20) Sarode K, Hussain SS, Tyroch A, **Mukherjee D.** **A Review of the Current Role of Blood Clotting Analyzers in Clinical Practice.** Cardiovasc Hematol Disord Drug Targets. 2017;17(3):167-179 PMID: [29086703](#)
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- 22) Varela DL, Teleb M, **El-Mallah W.** **Advanced therapies for the management of adults with pulmonary arterial hypertension due to congenital heart disease: a systematic review.** Open Heart. 2018 Jan 9;5(1):e000744. PMID: [29344382](#)
- 23) Yu C, Sterling D, Albayati I, Al-Obaidi S, Moraveji S, Bustamante MA, Torabi A, Hakim N, Naim A, Dutta A, Naik PS, **McCallum RW.** **The Prevalence of Biopsy-Proven Eosinophilic Esophagitis in Hispanics Undergoing Endoscopy Is Infrequent Compared to Caucasians: A Cross-Sectional Study.** Dig Dis Sci. 2017 Dec;62(12):3511-3516. PMID: 29086329

## **CASE REPORTS**

- 1 Abolbashari M, **Kar S, Marmol-Velez A**, Ramos-Duran L, Mullins C, **Mukherjee D. Agrawal H.** **Double right coronary artery and its clinical significance: Review of the literature.** Cardiovasc Revasc Med. 2017 Dec;18(8):632-635. PMID: [28778391](#)
- 2 Albaghdadi A, Teleb M, **Porres-Aguilar M**, Porres-Munoz M, **Marmol-Velez A.** **The dilemma of refractory hypoxemia after inferior wall myocardial infarction.** Proc (Bayl Univ Med Cent). 2018 Feb 1;31(1):67-69. PMID: [29686558](#)
- 3 Alkourbah Y, Torabi A, Ghaith T, **Nahleh Z.** **Dermatopathic Lymphadenitis Mimicking Breast Cancer with Lymphatic Metastasis: A Case Report and Discussion.** Am J Case Rep. 2017 Dec 14;18:1330-1333. PMID: [29238033](#)
- 4 Alshaban A, Padilla O, **Philipovskiy A, Corral J**, McAlice M, **Gaur S.** **Lenalidomide induced durable remission in a patient with MDS/MPN-with ring sideroblasts and thrombocytosis with associated 5q- syndrome.** Leuk Res Rep. 2018 Aug 24;10:37-40. PMID: [30186759](#)
- 5 Bustamante Bernal M, Bhat S, **Mendoza-Ladd A.** **Endoscopic closure of a chronic tracheo-esophageal fistula with an over-the-scope suturing technique.** Endoscopy. 2018 Jul;50(7):E155-E156 PMID: [29772588](#)
- 6 Elzamly S, Chavali S, Tonk V, Tonk S, **Gaur S**, Tarango D, Torabi A. **Acute myeloid leukemia with KMT2A-SEPT5 translocation: A case report and review of the literature.** SAGE Open Med Case Rep. 2018 Jan 4;6:2050313X17750334 PMID: [29326822](#)
- 7 Farran Y, Padilla O, Chambers K, **Philipovskiy A, Nahleh Z.** **Atypical Presentation of Radiation-Associated Breast Angiosarcoma: A Case Report and Review of Literature.** Am J Case Rep. 2017 Dec 18;18:1347-1350. PMID: [29249796](#)
- 8 Flo FJ, Kanu O, Teleb M, Chen Y, **Siddiqui T.** **Anabolic androgenic steroid-induced acute myocardial infarction with multiorgan failure.** Proc (Bayl Univ Med Cent). 2018 May 15;31(3):334-336. PMID: [29904303](#)

- 9 **Mendoza Ladd A.** [EUS-directed transgastric ERCP. VideoGIE.](#) 2018 May 29;3(6):175-176. PMID: [30128376](#)
- 10 **Peralta DP, Chang AY, Ariza-Hutchinson A, Ho CA.** [Burkholderia multivorans: A rare yet emerging cause of bacterial meningitis.](#) IDCases. 2018 Jan 9;11:61-63. PMID: [29619322](#)

### **LETTER TO THE EDITOR/EDITORIALS/COMMENT**

- 1 **Deoker A, Mukherjee D.** [Renal artery revascularisation: can we predict who benefits?](#) Heart Asia. 2017 Sep 14;9(2):e010951. PMID: [29470560](#)
- 2 **Mukherjee D.** [Coronary lesion complexity and the benefit of potent platelet inhibition after percutaneous coronary intervention.](#) Eur Heart J. 2018 Sep 9. PMID: [30202874](#)
- 3 **Richards JR, Laurin EG, Tabish N, Lange RA.** [Response to  \$\beta\$ -Blocker in Acute Cocaine Toxicity: Is It Safe?](#) J Emerg Med. 2017 Oct;53(4):571-572. PMID: [29079074](#)

### **BOOKS/BOOK CHAPTERS**

#### **BOOKS**

**Mukherjee D, Lange R, Bates ER, Roffi M and Moliterno DJ** (eds). Cardiac Catheterization, Coronary & Peripheral Angiography, and Interventional Procedures. 2<sup>nd</sup> Edition, London, Informa Healthcare, 2017 [https://www.amazon.com/Cardiovascular-Catheterization-Intervention-Peripheral-Structural/dp/1498750192/ref=sr\\_1\\_3?s=books&ie=UTF8&qid=1539976630&sr=1-3&refinements=p\\_27%3ADebabrata+Mukherjee](https://www.amazon.com/Cardiovascular-Catheterization-Intervention-Peripheral-Structural/dp/1498750192/ref=sr_1_3?s=books&ie=UTF8&qid=1539976630&sr=1-3&refinements=p_27%3ADebabrata+Mukherjee)

**Mukherjee D, Cho L, Lange R, Chatterjee S, and Moliterno DJ** (Eds). 1133 Questions: An interventional cardiology board review. Philadelphia, PA: Lippincott Raven, 2018 [https://www.amazon.com/1133-Questions-Interventional-Cardiology-Review/dp/1496386191/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1539976630&sr=1-1&refinements=p\\_27%3ADebabrata+Mukherjee](https://www.amazon.com/1133-Questions-Interventional-Cardiology-Review/dp/1496386191/ref=sr_1_1?s=books&ie=UTF8&qid=1539976630&sr=1-1&refinements=p_27%3ADebabrata+Mukherjee)

## **BOOK CHAPTERS:**

1. **Agawal H. Statistics Related to Interventional Cardiology Procedures.** In: **Mukherjee D, Lange, RA, Chatterjee S, Cho L, Moliterno D (eds). 1133 Questions: An Interventional Cardiology Board Review** (third edition). Philadelphia: Wolters Kluwer/Lippincott, Williams & Wilkins, 2018.
2. **Carrion AF, Martin P. Non-Intensive Care Unit Management of Acute Liver Failure.** In: **Pyrsoloulos, Gitlin N (eds). Acute Liver Failure. Clinics in Liver Disease.** Vol 22, No 2. New York, NY. Elsevier Inc, 2018.
3. **Cigarroa JE, Lange RA. Anatomy and Physiology** In: **Mukherjee D, Chatterjee S, Cho L, Lange, RA, Moliterno D, (eds). 1111 Questions: An Interventional Cardiology Board Review** (third edition). Philadelphia: Wolters Kluwer/Lippincott, Williams & Wilkins, 2017.
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9. **Mukherjee D. Ethical Issues and Risks Associated with Catheterization and Interventional Procedures.** In: **Mukherjee D, Lange, RA**, Chatterjee S, Cho L, Moliterno D (eds). **1133 Questions: An Interventional Cardiology Board Review** (third edition). Philadelphia: Wolters Kluwer/Lippincott, Williams & Wilkins, 2018.
10. **Mukherjee D. Approach to Interventional Boards and Test-Taking Strategies.** In: **Mukherjee D, Lange, RA**, Chatterjee S, Cho L, Moliterno D (eds). **1133 Questions: An Interventional Cardiology Board Review** (third edition). Philadelphia: Wolters Kluwer/Lippincott, Williams & Wilkins, 2018.
11. Naik PS, **McCallum RW**. (2018) **Gastric Pacing**. In: Bardan E., Shaker R. (eds) **Gastrointestinal Motility Disorders**. Springer, Cham.

## **MULTIMEDIA**

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<http://us.bestpracticebmj.com/best-practice/monograph/466.html>
- 2) **Hechanova LA. Overview of Renal Replacement Therapy.** Merck Manual Professional Version. Merck & Co., Inc., Kenilworth, NJ, USA. January 2018  
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- 3) **Mukherjee, D.** BMJ Point of Care Monograph (2018) Preoperative cardiac risk assessment. Available in the US on Epocrates and Europe as BMJ Point of care <https://online.epocrates.com/u/2922954/Preoperative+cardiac+risk+assessment/References/Credits>
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- 5) **Zuckerman MJ, Othman MO.** Gastroesophageal reflux disease. BMJ Best Practice. Feb 2017. <http://us.bestpracticebmj.com/best-practice/monograph/82.html>.

## Abstracts

1. Abolbashari M, Ibrahim A, Montanez R, Albaghdadi A, Teleb M, **Mukherjee D, Kar S**. **Anticoagulation in Concurrent Mesenteric Ischemia and Infective Endocarditis in the Presence of Inflammatory Bowel Disease.** *Journal of the American College of Cardiology*, Volume 71, Issue 18, Supplement, 2018, Page B130
2. Avalos DJ, Satiya J, Bashashati M, **Zuckerman MJ, Mendoza-Ladd A, Sarosiek I, McCallum RW**. **G-Poem Improves Clinical Symptoms and Gastric Emptying in Gastroparesis: A Systematic Review and Meta-Analysis.** *Gastroenterology*, May 2018, Vol. 154, Issue 6, S-320.
3. Avalos D, **Zuckerman M, Mendoza-Ladd A**, Doodoo C, Dwivedi A, Castro F. **Prevalence of large polyps in Hispanics varies between Mexican-Hispanic and non-Mexican Hispanic predominant states in the U.S.: a clinical outcomes research initiative (CORI) analysis.** *Am J Gastroenterol* 2017; 112 (Suppl 1): S647
4. Bashashati M; Shankar N; **Sarosiek I; McCallum RW**. **Depletion of the Interstitial Cells of Cajal in Gastric Smooth Muscle doesn't Influence the Clinical Efficacy Achieved by Combining Gastric Electrical Stimulation and Surgical Pyloroplasty for Treatment of Refractory Gastroparesis.** *Am J Gastroenterol* 2017; (Vol. 112, pp. S675-S675).
5. Bashashati M, Bradshaw H., Leishman E., Sigaroodi S., Maldonado G., **Bright T., McCallum RW, Sarosiek I**. **Endocannabinoids and Other Fatty Acid Derivatives with Cannabimimetic Properties in Gastroparesis: A Case-Control Study.** *Gastroenterology*, 2018; 154(6), S-310.
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9. Jia Y, Majd M, **Carrion A**, Dodoo C, Dwivedi A, Othman M, **Zuckerman M**. **Evaluation of the diagnostic and therapeutic utility of retrograde single-balloon enteroscopy and through-the-scope balloon enteroscopy: a single center experience**. *Am J Gastroenterol* 2017; 112 (Suppl 1): S143.
10. **Kar S**, Albaghdadi A, Teleb M, Ibrahim A, **Mukherjee D**. **Efficacy of Minimal Dose Versus Low Dose Radiation for Adult Cardiac Catheterization and Percutaneous Coronary Intervention**. *Catheterization and Cardiovascular Interventions*. 2018 April 1; 91 (S2\_S153).
11. Kuo B., Rao S., **McCallum RW.**, Krause R., Nguyen LA., Schulman MI, Lee A., Moshiree B., Wo J., Parkman HP, **Sarosiek I**. **Validation of Performance Characteristics of the Wireless Motility Capsule in Patients With Gastroparesis Symptoms**. *Am J Gastroenterol* 2017; Vol. 112, pp. S677-S677.
12. Lee A, Hasler WL, McCallum RW, Nguyen LAB, ....., **Irene Sarosiek**, et al. **Whole Gut Transit and Contractile Abnormalities Captured by Wireless Motility Capsule are Common in Patients with Suspected Gastroparesis Despite Normal Gastric Emptying Scintigraphy**. *Gastroenterology*, May 2018 Vol. 154, Issue 6, S-318.
13. **McCallum RW**, **Mendoza-Ladd A**, Zeng M, Diaz-Arévalo D, Morales E, Barry M. et al. **Does the Glucose Breath Test Correlate with Jejunal Microbes in Idiopathic small Intestinal Bacterial Overgrowth?** *Gastroenterology*, May 2018, Vol. 154, Issue 6, S-854.
14. **McCallum RW**, Davis BR., Bashashati M, Espino K., Vega N., Yeager E., **Sarosiek J.**, **Sarosiek I**. **Recognition of the Dominant Role of Pyloric Smooth Muscle Abnormalities with Gastroparesis**. *Gastroenterology*, 2018; 154(6), S-764.
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16. Milad M, Bashashati M, **Sarosiek I**, Espino K, **Sarosiek J**. **Chronic Constipation Responders to Lubiprostone Demonstrate Significant Increase of Mucus and Mucin Output: Its Clinical Therapeutic Potential**. *Gastroenterology*, May 2018 Vol. 154, Issue 6, S-759–S-760
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19. Parkman HP, Yates KP, **McCallum RW**, **Sarosiek I**, et al. **Gastric Emptying Changes over Time in Gastroparesis: Comparison of Initial and 48 Week Follow up Gastric Emptying Tests in the Gastroparesis Registry of the the Gastroparesis Consortium**. *Gastroenterology* 2018. Volume 154, Issue 6, S-39.
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23. **Sarosiek I**, Davis B, Torabi A, Bashashati M, **McCallum RW**. **Effect of Chronic Neurostimulation on the Number of Interstitial Cells of Cajal in Gastric Smooth Muscle in Patients With Severe Gastroparesis**. *Am J Gastroenterol* 2017; Vol. 112, pp. S674-S675
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**Randomized, Double-Blind, Placebo-Controlled, and Cross-Over Trial.** Am J Gastroenterol 2017; 112, pp. S57-S57.

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27. Teleb M, Albaghdadi A, Ibrahim A, **Mukherjee D, Kar S. Comparison of Radiation Exposure Between Ulnar, Radial, or Femoral Cardiac Catheterization Using Low versus Standard Dose Radiation. Catheterization and Cardiovascular Interventions.** 2018 April 1; 91 (S2\_S18).

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

**JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS**

1. **Abolbashari M, Kar S, Marmol-Velez A, Ramos-Duran L, Mukherjee D, Agrawal H. Double right coronary artery and its clinical significance: Review of the literature.** *Cardiovasc Revasc Med.* 2017 Dec;18(8):632-635. PMID: [28778391](#)
2. **Al-Bayati I, Saadi M, Elhanafi S, McCallum RW. Effectiveness of Bulking Agent (Solesta) Therapy in Fecal Incontinence in Patients Refractory to Conventional Therapies.** *Am J Med Sci.* 2017 Nov;354(5):476-479. PMID: [29173359](#)
3. **Bernica J, Elhanafi S, Kalakota N, Jia Y, Dodoo C, Dwivedi A, Sealock RJ, Patel K, Raijman I, Zuckerman MJ, Othman MO. Cholangioscopy Is Safe and Feasible in Elderly Patients.** *Clin Gastroenterol Hepatol.* 2018 Aug;16(8):1293-1299.e2. PMID: [29505911](#)
4. **Damas OM, Estes D, Avalos D, Quintero MA, Morillo D, et al. Hispanics Coming to the US Adopt US Cultural Behaviors and Eat Less Healthy: Implications for Development of Inflammatory Bowel Disease.** *Dig Dis Sci.* 2018 Jul 7. PMID: [29982988](#)
5. **Elzamly S, Badri N, Padilla O, Dwivedi AK, Alvarado LA, Hamilton M, Diab N, Rock C, Elfar A, Teleb M, Sanchez L, Nahleh Z. Epithelial-Mesenchymal Transition Markers in Breast Cancer and Pathological Response after Neoadjuvant Chemotherapy.** *Breast Cancer (Auckl).* 2018 Aug 1;12:1178223418788074. PMID: [30083055](#)
6. **Liu RP, Romero R, Sarosiek J, Dodoo C, Dwivedi AK, Zuckerman MJ. Eradication Rate of *Helicobacter pylori* on the US-Mexico Border Using the Urea Breath Test.** *South Med J.* 2018 Jan;111(1):51-55. PMID: [29298370](#)
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8. **Morotti A, Boulouis G, Romero JM, Brouwers HB, Jessel MJ, Vashkevich A, Schwab K, Afzal MR, Cassarly C, Greenberg SM, Martin RH, Qureshi AI, Rosand J, Goldstein JN; ATACH-II and NETT investigators. Blood pressure reduction and noncontrast CT markers of intracerebral hemorrhage expansion.** *Neurology.* 2017 Aug 8; 89(6):548-554. PMID: [28701501](#)

9. **Nahleh Z**, Otoukesh S, Mirshahidi HR, Nguyen AL, Nagaraj G, **Botrus G**, Badri N, Diab N, Alvarado A, Sanchez LA, Dwivedi AK. **Disparities in breast cancer: a multi-institutional comparative analysis focusing on American Hispanics.** *Cancer Med.* 2018 Jun;7(6):2710-2717. PMID: [29733543](#)
10. **Nahleh Z**, **Botrus G**, Dwivedi A, Badri N, Otoukesh S, Diab N, Biswas S, Jennings M, Elzamly S. **Clinico-pathologic disparities of breast cancer in Hispanic/Latina women.** *Breast Dis.* 2018;37(3):147-154. PMID: [29376844](#)
11. **Ortiz AM**, Garcia CJ, Othman MO, **Zuckerman MJ.** **Innovative Technique for Endoscopic Placement of Sengstaken-Blakemore Tube.** *South Med J.* 2018 May;111(5):307-311. PMID: [29767224](#)
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13. Song G, Sun Y, **Bashashati M**, Quezada A, Sigaroodi S, **Sarosiek I**, Chen JDZ, **McCallum RW.** **Efficacy of needleless transcutaneous electroacupuncture in synchronization with breathing for symptomatic idiopathic gastroparesis: A blinded and controlled acute treatment trial.** *Neurogastroenterol Motil.* 2018 May 10:e13361. PMID: [29745434](#)

## **REVIEW - META ANALYSIS**

- 1) **Agrawal H**, **Teleb M**, Lahsaei S, **Carbajal L**, **Montanez R**, Carrozza JP Jr. **Routine Angiographic Follow-Up After Coronary Artery Disease Revascularization: Is Seeing Believing?** *Curr Cardiol Rep.* 2018 Mar 6;20(3):17. PMID: [29511900](#)
- 2) **Agrawal H**, **Lange R**, **Montanez R**, Wali S, Mohammad KO, **Kar S**, **Teleb M**, **Mukherjee D.** **The Role of Percutaneous Coronary Intervention in the Treatment of Chronic Total Occlusions: Rationale and Review of the Literature.** *Curr Vasc Pharmacol.* 2018 Jan 16. PMID: [29345588](#)
- 3) **Avalos DJ**, **Mendoza-Ladd A**, **Zuckerman MJ**, **Bashashati M**, Alvarado A, Dwivedi A, Damas OM. **Hispanic Americans and Non-Hispanic White Americans Have a Similar Inflammatory Bowel Disease Phenotype: A Systematic Review with Meta-Analysis.** *Dig Dis Sci.* 2018 Jun;63(6):1558-1571. PMID: [29594975](#)

- 4) **Bashashati M**, Moradi M, **Sarosiak I**. **Interleukin-6 in irritable bowel syndrome: A systematic review and meta-analysis of IL-6 (-G174C) and circulating IL-6 levels**. *Cytokine*. 2017 Nov;99:132-138. PMID: [28886490](#)
- 5) **Botrus G**, Baker O, Borrego E, Ngamdu KS, **Teleb M**, **Gonzales Martinez JL**, Maldonado G 3rd, **Hussein AM**, **McCallum R**. **Spectrum of Gastrointestinal Manifestations in Joint Hypermobility Syndromes**. *Am J Med Sci*. 2018 Jun;355(6):573-580. PMID: [29891041](#)
- 6) **Khalil PH**, **Kabbach G**, **Mukherjee D**, **Said S**. **Entresto, a new Panacea for Heart Failure?** *Cardiovasc Hematol Agents Med Chem*. 2018 Mar 13. PMID: [29532764](#)
- 7) Nalagatla N, Falloon K, Tran G, Borren NZ, **Avalos D**, et al. . **Effect of Accelerated Infliximab Induction on Short- and Long-Term Outcomes of Acute Severe Ulcerative Colitis: A Retrospective Multicenter Study and Meta-Analysis**. *Clin Gastroenterol Hepatol*. 2018 Jun 23. pii: S1542-3565(18)30641-4. PMID: [29944926](#)
- 8) **Robles A**, Fong, J., Cervantes, J. **Borrelia infection in Latin America**. *Revista de Investigación Clínica. Rev Invest Clin*. 2018;70(4):158-163. PMID: [30067716](#)
- 9) Sarode K, **Hussain SS**, Tyroch A, **Mukherjee D**. **A Review of the Current Role of Blood Clotting Analyzers in Clinical Practice**. *Cardiovasc Hematol Disord Drug Targets*. 2017;17(3):167-179 PMID: [29086703](#)
- 10) Varela DL, **Teleb M**, **El-Mallah W**. **Advanced therapies for the management of adults with pulmonary arterial hypertension due to congenital heart disease: a systematic review**. *Open Heart*. 2018 Jan 9;5(1):e000744. PMID: [29344382](#)
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## **LETTER TO THE EDITOR/EDITORIALS/COMMENT**

- 1) **Bashashati M**, Hejazi RA. **Overlap Between Gastric and Esophageal Motility Disorders: A Contractual Arrangement?** *Dig Dis Sci*. 2018 Sep 3. PMID: [30178282](#)
- 2) **Loganathan P**, Gajendran M. **Triple Threat in Infective Endocarditis: A Fatal Combo**. *Am J Med Sci*. 2017 Jul; 354(1):69. PMID: [28755739](#)

## **CASE REPORTS**

- 1 **Abolbashari M, Kar S, Marmol-Velez A, Ramos-Duran L, Mullins C, Mukherjee D, Agrawal H. Double right coronary artery and its clinical significance: Review of the literature.** Cardiovasc Revasc Med. 2017 Dec;18(8):632-635. PMID: [28778391](#)
- 2 **Albaghdadi A, Teleb M, Porres-Aguilar M, Porres-Munoz M, Marmol-Velez A. The dilemma of refractory hypoxemia after inferior wall myocardial infarction.** Proc (Bayl Univ Med Cent). 2018 Feb 1;31(1):67-69. PMID: [29686558](#)
- 3 **Alshaban A, Padilla O, Philipovskiy A, Corral J, McAlice M, Gaur S. Lenalidomide induced durable remission in a patient with MDS/MPN-with ring sideroblasts and thrombocytosis with associated 5q- syndrome.** Leuk Res Rep. 2018 Aug 24;10:37-40. PMID: [30186759](#)
- 4 **Alkourbah Y, Torabi A, Ghaith T, Nahleh Z. Dermatopathic Lymphadenitis Mimicking Breast Cancer with Lymphatic Metastasis: A Case Report and Discussion.** Am J Case Rep. 2017 Dec 14;18:1330-1333. PMID: [29238033](#)
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- 7 **Lapid D, Qureshi MA, Quresh IA, Afzal MR, Maud A, Rodriguez GJ, Khatri R. Possible Reversible Cerebral Vasoconstriction Syndrome Associated with Eucalyptus: Case Report.** J Vasc Interv Neurol. 2017 Oct;9(5):17-20. PMID: [29163745](#)
- 8 **Peralta DP, Chang AY, Ariza-Hutchinson A, Ho CA. Burkholderia multivorans: A rare yet emerging cause of bacterial meningitis.** IDCases. 2018 Jan 9;11:61-63. PMID: [29619322](#)
- 9 **Qureshi, IA, Qureshi, MA, Kanu O., Cruz-Flores, S. A 31-year-old with idiopathic Reversible Cerebral Vasoconstriction Syndrome.** Clin Case Rep. 2017 Jul 20;5(9):1544-1545 PMID: [28878923](#)
- 10 **Qureshi AI, Wang Y, Afzal MR, Jiao L. Vertebral Artery Origin Stent Placement Using the Dual Lumen Qureshi-Jiao Guidecatheter.** Vasc Interv Neurol. 2017 Dec; 9(6):38-42. PMID: [29445438](#)

## **Abstracts**

1. **Abolbashari M, Ibrahim A, Montanez R, Albaghdadi A, Teleb M, Mukherjee D, Kar S. Anticoagulation in Concurrent Mesenteric Ischemia and Infective Endocarditis in the Presence of Inflammatory Bowel Disease.** Journal of the American College of Cardiology, Volume 71, Issue 18, Supplement, 2018, B130.
2. **Avalos DJ, Satiya J, Bashashati M, Zuckerman MJ, Mendoza-Ladd A, Sarosiek I, McCallum RW. G-Poem Improves Clinical Symptoms and Gastric Emptying in Gastroparesis: A Systematic Review and Meta-Analysis.** Gastroenterology, May 2018, Vol. 154, Issue 6, S-320.
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7. **Kar S, Albaghdadi A, Teleb M, Ibrahim A, Mukherjee D. Efficacy of Minimal Dose Versus Low Dose Radiation for Adult Cardiac Catheterization and Percutaneous Coronary Intervention.** Catheterization and Cardiovascular Interventions. 2018 April 1; 91 (S2\_S153).
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10. **Milad M**, **Bashashati M**, **Sarosiek I**, Espino K, **Sarosiek J**. **Chronic Constipation Responders to Lubiprostone Demonstrate Significant Increase of Mucus and Mucin Output: Its Clinical Therapeutic Potential.** Gastroenterology, May 2018 Vol. 154, Issue 6, S-759–S-760
11. **Moraveji S**, Casner N, Dwivedi A, **Bashashati M**, **Zuckerman MJ**, **Carrion AF**, **Garcia C**, **Mendoza-Ladd A**. **Does Addition of High-Dose Simethicone to Standard Bowel Preparation for Screening Colonoscopy Have an Effect on Adenoma Detection Rate: A Single-Blind Clinical Trial.** Gastroenterology, May 2018, Vol. 154, Issue 6, S-141.
12. Sarode K, **Shami W**, **Gosavi S**, Mallawaarachchi I, Dwivedi AK, **Mukherjee D**. **Does Music Impact Exercise Capacity During Cardiac Stress Test? A Single Blinded Pilot Randomized Controlled Study.** Journal of the American College of Cardiology, Volume 71, Issue 18, Supplement, 2018
13. **Sarosiek I**, Davis B, Torabi A, **Bashashati M**, **McCallum RW**. **Effect of Chronic Neurostimulation on the Number of Interstitial Cells of Cajal in Gastric Smooth Muscle in Patients With Severe Gastroparesis.** Am J Gastroenterol 2017; Vol. 112, pp. S674-S675
14. Shankar N, **Bright T**, **Liu R**, Gomez Y, Quezada A, Alvarado, B, **Bashashati M**, **Sarosiek J**, **Sarosiek I**. **Efficacy of Linaclotide in Type II Diabetics With Chronic Constipation: A Randomized, Double-Blind, Placebo-Controlled, and Cross-Over Trial.** Am J Gastroenterol 2017; 112, pp. S57-S57.
15. **Teleb M**, **Albaghdadi A**, **Ibrahim A**, **Mukherjee D**, **Agrawal H**, **Marmol-Velez J**, **Siddiqui T**, **Kar S**. **Safety and Feasibility of Low Dose Compared With Standard Dose Radiation for Cardiac Catheterization and Intervention.** Journal of the American College of Cardiology, Volume 70, Issue 18, Supplement, 2017, Page B130
16. **Teleb M**, **Albaghdadi A**, **Ibrahim A**, **Mukherjee D**, **Kar S**. **Comparison of Radiation Exposure Between Ulnar, Radial, or Femoral Cardiac Catheterization Using Low versus Standard Dose Radiation. Catheterization and Cardiovascular Interventions.** 2018 April 1; 91 (S2\_S18).

## OPEN, ACTIVE, ONGOING RESEARCH

### Investigator Initiated Research Studies

#### GRANT FUNDED FY18

- **New Concepts for Advancing Knowledge in Basic Science, Clinical, and Therapeutic Aspects of 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*). 09/25/2016 - 08/31/2021 \$1,870,531

FY17	\$382,500
FY18	\$378,366
FY19	\$374,151
FY20	\$369,887
FY21	\$365,627
	=====
	\$1,870,531

- **Pathway Exploration and Analysis in Renal Lupus (PEARL)** - Accelerating Medicines Partnership (AMP) – **PI: F. Payan-Schober, MD, Sub-I A Ahmad, MD.** Public-private partnership between the National Institutes of Health (NIH), the U.S. Food and Drug Administration (FDA), 10 biopharmaceutical companies and multiple non-profit organizations. NIH - National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) and the National Institute of Allergy and Infectious Diseases (NIAID).

Start Up Phase	July 2015 – Dec 2015	\$9,333
Phase 0	Dec 2015 – May 2016	\$12,401
Phase 1	Jan 2016- Aug 2016	\$29,535
Phase 2	June 2017 – 31 May 2019	\$66,290
		=====
Total		\$117,559

- **-Central Nervous System Regulation Mechanisms of Cyclic Vomiting**

**Syndrome** - Presidents' Collaborative Research Initiative (PCRI) 01 Sept 2017 to 31 Aug 2018

**Co-PIs: Richard McCallum, MD, Tyler Davis, MD, Irene Sarosiek, MD.** \$44,543

#### Department of Internal Medicine Pilot Small Projects Funded - Cycle 9

- **Adherence of Hispanic/Latina Breast Cancer - Patients to Adjuvant Aromatase Inhibitors - (AIs).** - Alexander Philipovskiy, MD, PhD
- **Outcomes of Ultrasound Guided Ulnar versus Radial Cardiac Catheterization** - Subrata Kar, MD
- **Clinical and pathological features of Epstein-Barr virus associated gastric carcinoma at the US-Mexico border: a single institution study** - Sumit Gaur, MD