

Annual Research Productivity Report



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
EL PASO

Paul L. Foster School of Medicine
Department of Internal Medicine



INTERNAL MEDICINE

Department of Internal Medicine

FY 2016

1 September 2015 – 31 August 2016

Prepared by: Sean M. Connery

Dear Friends—

I am very pleased to bring to you the annual Internal Medicine departmental research productivity report for FY16. The Department had another banner year with 94 peer reviewed publications, several textbooks chapters and number of regional and national presentations. Let me take this opportunity to congratulate our faculty 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 the scholarly productivity of the house staff and students has increased substantially this year and reflect the 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

Table of Contents

FACULTY PEER REVIEW/PUBMED PUBLICATIONS

JOURNAL ARTICLES	1-8
REVIEW – META ANALYSIS.....	9-12
CASE REPORTS	13-14
LETTER TO THE EDITOR/EDITORIALS/COMMENT	14
BOOK CHAPTERS.....	15-16
MULTIMEDIA.....	16
ABSTRACTS	17-23

RESIDENT & FELLOW RESEARCH ACTIVITY

JOURNAL ARTICLES	24-25
REVIEW – META ANALYSIS.....	26-27
CASE REPORTS	27-28
BOOK CHAPTERS.....	28
LETTER TO THE EDITOR- EDITORIAL	28
ABSTRACTS	28-31

OPEN, ACTIVE RESEARCH

GRANT FUNDED FY16.....	32-33
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PubMed Publications TTUHSC Dept of Internal Medicine 2015-2016*

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

IM Faculty

- 1) Alvarez A, Jia Y, Garcia CJ, Rosas-Blum ED, Boman D, **Zuckerman MJ**. **Streptococcus bovis Bacteremia in Neonates in a Predominantly Hispanic Population**. Front Pediatr. 2015 Oct 30;3:92. PMID: [26579502](#)
- 2) Bashashati M, **McCallum RW**. **Is Interstitial Cells of Cajal–opathy Present in Gastroparesis?** J Neurogastroenterol Motil. 2015 Oct 1;21(4):486-93. PMID: [26424037](#)
- 3) Bates ER, Blankenship JC, Bailey SR, Bittl JA, Cercek B, ..., **Mukherjee D**, et al. 2015 **ACC/AHA/SCAI Focused Update on Primary Percutaneous Coronary Intervention for Patients With ST-Elevation Myocardial Infarction: An Update of the 2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention and the 2013 ACCF/AHA Guideline for the Management of ST-Elevation Myocardial Infarction: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Society for Cardiovascular Angiography and Interventions**. J Am Coll Cardiol. 2015 Oct 13. S0735-1097(15)06797-2. PMID: [26498666](#)
- 4) Bhatheja S, Panchal HB, Barry N, **Mukherjee D**, Uretsky BF, Paul T. **Valvular performance and aortic regurgitation following transcatheter aortic valve replacement using Edwards valve versus CoreValve for severe aortic stenosis: A Meta-analysis**. Cardiovasc Revasc Med. 2016 Jun;17(4):248-55. PMID: [26948087](#)
- 5) Bittl JA, Brindis RG, Fihn SD, Fleisher LA, Granger CB, **Lange RA**, ..., **Mukherjee D**, et al. **2016 ACC/AHA Guideline Focused Update on Duration of Dual Antiplatelet Therapy in Patients With Coronary Artery Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines: An Update of the 2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention, 2011 ACCF/AHA Guideline for Coronary Artery Bypass Graft Surgery, 2012 ACC/AHA/ACP/AATS/PCNA/SCAI/STS Guideline for the Diagnosis and Management of Patients With Stable Ischemic Heart Disease, 2013 ACCF/AHA Guideline for the Management of ST-Elevation Myocardial Infarction, 2014 AHA/ACC Guideline for**

the Management of Patients With Non-ST-Elevation Acute Coronary Syndromes, and 2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Noncardiac Surgery. *Circulation*. 2016 Mar 29. PubMed PMID: [27026020](#)

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- 9) Egan BM, Li J, White K, Fleming DO, Connell K, **Hernandez GT**, Jones DW, Ferdinand KC, Sinopoli A. **2013 ACC/AHA Cholesterol Guideline and Implications for Healthy People 2020 Cardiovascular Disease Prevention Goals**. *J Am Heart Assoc*. 2016 Aug 19;5(8). PMID: [27543306](#)
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- 13) Garcia CJ, Lopez OA, Islam S, **Othman M**, Jia Y, Mulla ZD, **Zuckerman MJ**. **Endoscopic Retrograde Cholangiopancreatography in the Elderly**. Am J Med Sci. 2016 Jan;351(1):84-90. PMID: [26802762](#)
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- 36) Nairooz R, Feldman DN, Rochlani Y, Aronow WS, Sardar P, **Mukherjee D,** Naidu SS, Patel P. **Impact of intraprocedural thrombotic events on short- and long-term outcomes following percutaneous coronary intervention. Evidence from a meta-analysis.** Int J Cardiol. 2016 Jan 1;202:469-76.. PMID: [26436676](#)
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48. Sharma A, Sharma SK, Garg A, Vallakati A, Stone G, **Mukherjee D, et al. Duration of Dual Antiplatelet Therapy After Various Drugs Eluting Stent Implantation.** Circulation. 2015; 130
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52. Song G, **Sarosiek I, Bashashati M, Sun Y, Chen J, McCallum R. Needleless transcutaneous electroacupuncture in synchronization with breathing for treating nausea in patients with idiopathic gastroparesis.** Am J Gastroenterol. 2015 Oct;110(Suppl s1):S758.
53. Sumayin Ngamdu K, Connery SM, Tolouian R, **El Mallah W, Nwosu A, Mukherjee D. Distribution of Calcification in Coronary Arteries in ESRD and Risk Stratification.** Am J Kidney Dis. 2016;67(5):A8.

54. Teleb M, Olivas Chacon C, Ramos Duran L, Wani P; Sumayin Ngamdu K, **El Mallah W.** **Pulmonary artery tumor mistaken as pulmonary thrombus: multiparametric cardiac magnetic resonance imaging.** J Am Coll Cardiol. 2016;67(13_S):1030.
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56. Tolouian R, Connery SM. **Lack of Correlation of Pyrophosphate Levels with Survival and Coronary Artery Calcification in Hemodialysis Patients.** J Am Soc Nephrol 2015;26:1052-1053A.
57. Wang J, **Casner PR.** **Comparative analysis of outcomes of an ACE Unit in a Predominantly Hispanic population.** Journal of the American Geriatrics Society. 2015; 63: S268.
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59. Yandrapu H, Namiot Z, **Sarosiak I,** **Sarosiak J.** **The potential role of esophageal peptide growth factors secretion in patients with reflux esophagitis and Barrett's esophagus: repair of excessive injury or promotion of complications?** Gastroenterol. 2016 Apr;150(Suppl 1):S473-S474.
60. **Zuckerman M,** Mohsin R, Elhanafi S, **Elmallah W,** Jia Y, Kypreos M, Sumayin Ngamdu K, Mallawaarachchi I, Dwivedi A, **Mukherjee D.** **One-year survival is not affected by gastrointestinal bleeding after percutaneous coronary intervention.** Am J Gastroenterol. 2015; 110 (Suppl 1): S942
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63. **Zuckerman M,** Dove S, Andrae DJ, Davenport M, Turner L, et al. **Consistency in Efficacy Outcomes of Eluxadolone-Treated Patients With Irritable Bowel Syndrome With Diarrhea Using Recent and Traditional Endpoints.** Gastroenterology, Vol. 148, Issue 4, S-492, 2015.

RESIDENT & FELLOW RESEARCH

JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS

IM Faculty, **PGY1-5**

- 1) **Alvarez A, Jia Y, Garcia CJ**, Rosas-Blum ED, Boman D, **Zuckerman MJ**. **Streptococcus bovis Bacteremia in Neonates in a Predominantly Hispanic Population**. Front Pediatr. 2015 Oct 30;3:92. PMID: [26579502](#)
- 2) **Bashashati M**, Schmulson MJ. **From gene polymorphisms to serum cytokine levels in irritable bowel syndrome**. Clin Res Hepatol Gastroenterol. 2016 Feb 9. pii: S2210-7401(16)00029-2.. PMID: [26872819](#)
- 3) **Cooper CJ, Teleb M**, Dwivedi A, **Rangel G**, Sanchez LA, Laks S, Akle N, **Nahleh Z**. **Comparative Outcome of Computed Tomography-guided Percutaneous Radiofrequency Ablation, Partial Nephrectomy or Radical Nephrectomy in the Treatment of Stage T1 Renal Cell Carcinoma**. Rare Tumors. 2015 Mar 16;7(1):5583. PMID: [25918603](#)
- 4) **Elhanafi S, Saadi M, Lou W**, Mallawaarachchi I, Dwivedi A, **Zuckerman M, Othman MO**. **Gastric polyps: Association with Helicobacter pylori status and the pathology of the surrounding mucosa, a cross sectional study**. World J Gastrointest Endosc. 2015 Aug 10;7(10):995-1002. PMID: [26265993](#)
- 5) **Elhanafi S, Ortiz AM**, Yarlagadda A, Tsai C, Eloliby M, Mallawaarachchi I, Dwivedi A, **Zuckerman MJ, Othman MO**. **Estimation of the Adenoma Detection Rate From the Polyp Detection Rate by Using a Conversion Factor in a Predominantly Hispanic Population**. J Clin Gastroenterol. 2015 Aug;49(7):589-93. PMID: [26035518](#)
- 6) **Garcia CJ**, Lopez OA, Islam S, Othman M, **Jia Y**, Mulla ZD, **Zuckerman MJ**. **Endoscopic Retrograde Cholangiopancreatography in the Elderly**. Am J Med Sci. 2016 Jan;351(1):84-90. PMID: [26802762](#)
- 7) Hejazi RA, Bashashati M, **Saadi M**, Mulla ZD, **Sarosiek I, McCallum RW, Zuckerman MJ**. **Video Capsule Endoscopy: A Tool for the Assessment of Small Bowel Transit Time**. Front Med (Lausanne). 2016 Feb 10;3:6. PMID: [26904544](#)
- 8) **Jia Y, Arenas J**, Hejazi RA, **Elhanafi S, Saadi M, McCallum RW**. **Frequency of Jackhammer Esophagus as the Extreme Phenotypes of Esophageal Hypercontractility Based on the New Chicago Classification**. J Clin Gastroenterol. 2016 Feb 26. PMID: [26927491](#)

- 9) **Jia Y**, Maspons A, **Othman MO**. **The therapeutic use of endoscopic ultrasonography in pediatric patients is safe: A case series.** Saudi J Gastroenterol. 2015 Nov-Dec;21(6):391-5. PMID: [26655135](#)
- 10) **Jia Y**, Dwivedi A, **Elhanafi S**, **Ortiz A**, **Othman M**, **Zuckerman M**. **Low risk of bacteremia after endoscopic variceal therapy for esophageal varices: a systematic review and meta-analysis.** Endosc Int Open. 2015 Oct;3(5):E409-17. PMID: [26528494](#)
- 11) **Moraveji S**, Bashashati M, **Elhanafi S**, Sunny J, **Sarosiek I**, Davis B, Torabi A, **McCallum RW**. **Depleted interstitial cells of Cajal and fibrosis in the pylorus: Novel features of gastroparesis.** Neurogastroenterol Motil. 2016 Mar 4. PMID: [26940535](#)
- 12) **Ortiz A**, **Cooper CJ**, **Alvarez A**, Gomez Y, **Sarosiek I**, **McCallum RW**. **Cardiovascular safety profile and clinical experience with high-dose domperidone therapy for nausea and vomiting.** Am J Med Sci. 2015 May;349(5):421-4. PMID: [25828198](#)
- 13) **Othman MO**, Guerrero R, **Elhanafi S**, Davis B, Hernandez J, Houle J, Mallawaarachchi I, Dwivedi AK, **Zuckerman MJ**. **A prospective study of the risk of bacteremia in directed cholangioscopic examination of the common bile duct.** Gastrointest Endosc. 2016 Jan;83(1):151-7. PMID: [26116469](#)
- 14) **Otoukesh S**, Mojtahedzadeh M, Figlin RA, Rosenfelt FP, Behazin A, Sherzai D, **Cooper CJ**, **Nahleh ZA**. **Literature Review and Profile of Cancer Diseases Among Afghan Refugees in Iran: Referrals in Six Years of Displacement.** Med Sci Monit. 2015 Nov 23;21:3622-8. PMID: [26592372](#)
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- 16) **Zuckerman MJ**, **Jia Y**, Hernandez JA, Kolli VR, Norte A, Amin H, Casner NA, Dwivedi A, **Ho H**. **A Prospective Randomized Study on the Risk of Bacteremia in Banding versus Sclerotherapy of Esophageal Varices.** Front Med (Lausanne). 2016 May 2;3:16. PMID: [27200352](#)

REVIEWS/ META-ANALYSES

1. **Bashashati M**, Sarosiek I, McCallum RW. **Epidemiology and mechanisms of gastroesophageal reflux disease in the elderly: a perspective.** Ann N Y Acad Sci. 2016 Aug 15. PMID: [27526197](#)
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5. **Said S**, **Mukherjee D**, Whayne TF. **Interrelationships with Metabolic Syndrome, Obesity and Cardiovascular.** Curr Vasc Pharmacol. 2016 Jul 22. PMID: [27456105](#)
6. **Sarosiek I**, **Bashashati M**, **McCallum RW**. **Safety of treatment for gastroparesis.** Expert Opin Drug Saf. 2016 Apr 21:1-9. PMID: [27031006](#)
7. Shafieyoun A, **Moraveji S**, Bashashati M, Rezaei N. **Discs Large Homolog 5 (DLG5) Gene Polymorphism and Crohn's Disease: A Meta-Analysis of the Published Studies.** Acta Med Iran. 2016 May;54(5):289-95. PMID: [27309475](#)
8. **Switzer MP**, **Wani P**, **Gosavi S**, **Mukherjee D**. **Clinical Pharmacology and Role of Edoxaban in Contemporary Antithrombotic Therapy.** Cardiovasc Hematol Agents Med Chem. 2015;13(2):98-104. PMID: [26695421](#)
9. **Syed SH**, **Gosavi S**, **Shami W**, **Bustamante M**, Farah Z, **Teleb M**, **Abbas A**, **Said S**, **Mukherjee D**. **A Review of Sodium Glucose Co-transporter 2 Inhibitors Canagliflozin, Dapagliflozin and Empagliflozin.** Cardiovasc Hematol Agents Med Chem. 13(2):105-12, PubMed PMID: [26549321](#)
10. **Teleb M**, **Wardi M**, **Gosavi S**, **Said S**, **Mukherjee D**. **Paclitaxel-Coated Balloons: Review of a Promising Interventional Approach to Preventing Restenosis in Femoropopliteal Arteries.** Int J Angiol. 2016 Jun;25(2):75-80. Review. PMID: [2723142](#)
11. **Teleb M**, **Porres-Aguilar M**, Anaya-Ayala JE, **Rodriguez-Castro C**, **Porres-Muñoz M**, **Mukherjee D**. **Potential role of systemic thrombolysis in acute submassive intermediate risk pulmonary embolism: review and future perspectives.** Ther Adv Cardiovasc Dis. 2016 Apr;10(2):103-10. Review. PMID: [26864121](#)

12. **Teleb M, Porres-Aguilar M, Rivera-Lebron B, Sumayin Ngamdu K, Gehan Botrus G, Anaya-Ayala JE, Mukherjee D. Ultrasound-Assisted Catheter-Directed Thrombolysis: A Novel and Promising Endovascular Therapeutic Modality for Intermediate-Risk Pulmonary Embolism.** *Angiology*, 1-8. PMID: [27609936](#)
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14. **Teleb M, Salire K, Wardi M, Alkhateeb H, Said S, Mukherjee D. Idarucizumab: Clinical Role of a Novel Reversal Agent for Dabigatran.** *Cardiovasc Hematol Disord Drug Targets.* 2016 Jun 29. PMID: [27477871](#)

CASE REPORT

- 1) Badri N, **Teleb M, Syed S, Wardi M, Porres-Aguilar M, Cruz-Flores S. Seronegative Neuromyelitis Optica: A Case Report of a Hispanic Male.** *Case Rep Neurol.* 2016 May 24;8(2):102-7. PMID: [27403130](#)
- 2) **Bustamante-Bernal M, Galvis J, Matos D, Sosa O, Syed SH, Padilla O, Davis B, Zuckerman MJ. Burkitt's Lymphoma of the Rectosigmoid and Stomach Presenting as Hematochezia.** *Am J Case Rep.* 2016 Feb 15;17:89-92. PMID: [26876112](#)
- 3) Fan J, Timbrook A, **Said S, Babar K, Teleb M, Mukherjee D, Abbas A. Myxomatous Mitral Valve with Prolapse and Flail Scallop.** *Pol J Radiol.* 2016 May 14;81:233-5. PMID: [27279924](#)
- 4) **Fleming R, Cooper CJ, Ramirez-Vega R, Huerta-Alardin A, Boman D, Zuckerman MJ. Clinical manifestations and endoscopic findings of amebic colitis in a United States-Mexico border city: a case series.** *BMC Res Notes.* 2015 Dec 14;8:781. PMID: [26666636](#)
- 5) **Porres-Aguilar M, Al-Bayati I, Porres-Muñoz M, Padilla O, Syed SH, Lowder K, Azimova K, Fan J, Mukherjee D, Abbas A. Pulmonary veno-occlusive disease as a cause of pulmonary arterial hypertension.** *Proc (Bayl Univ Med Cent).* 2015 Jul;28(3):350-2. PMID: [26130886](#)
- 6) **Sabet Y, Ramirez S, Rosell Cespedes E, Rensoli Velasquez M, Porres-Muñoz M, Gaur S, Figueroa-Casas JB, Porres-Aguilar M. Severe Acute Pulmonary Toxicity Associated with Brentuximab in a Patient with Refractory Hodgkin's Lymphoma.** *Case Rep Pulmonol.* 2016;2016:2359437. PMID: [27190667](#)

- 7) Varela D, **Teleb M, Said S**, Fan J, **Mukherjee D, Abbas A**. **Congenital Absence of Left Circumflex Presenting After an Emotional Stressor**. Pol J Radiol. 2015 Dec 5;80:529-31. PMID: [26688703](#)
- 8) Varela D, Tran D, **Ngamdu KS**, Trullender B, **Mukherjee D, Abbas A**. **Rumpel-Leede phenomenon presenting as a hypertensive urgency**. Proc (Bayl Univ Med Cent). 2016 Apr;29(2):200-1. PMID: [27034570](#)
- 9) **Wani P, Antony N, Wardi M, Rodriguez-Castro CE, Teleb M**. **The Forgotten One: Lemierre's Syndrome Due to Gram-Negative Rods Prevotella Bacteremia**. Am J Case Rep. 2016 Jan 11;17:18-22. PMID: [26751621](#)

LETTER TO THE EDITOR/EDITORIALS/COMMENT

1. **Mendoza Ladd A, Al-Bayati I**, Shah P, Haber G. **Endoscopic closure of a gastropleural fistula**. Endoscopy. 2015;47 Suppl 1 UCTN:E131-2. PMID: [25857475](#)
(Letter to the Editor)

BOOKS, BOOK CHAPTERS

- 1) M. Reza Keramati, Majid Esmaeilzadeh, **Mohammad Bashashati**. **Brain Metastasis from Esophageal Carcinoma**. In: Brain Metastases from Primary Cancers (Volume III), edited by: M.A. Hayat. Published by: Elsevier/Academic Press.
- 2) **Nahleh Z, Otoukesh S**. **Adjuvant Systemic Therapy for early Breast Cancer**. In: Hospital Physician Oncology Board Review Manual. Ed R Lichtfoski: Turner White Communications, Inc., 2015 Volume 11, Part 6 . Adjuvant Systemic Therapy for Early-Stage Breast Cancer Turner White Communications, Inc., Strafford Avenue, Suite 220, Wayne, PA 19087-3391,

ABSTRACTS

1. **Agunanne E, Abbas A, Mukherjee D**. **Multiple Heart Failure Hospitalizations: Winning the War**. Circulation: Cardiovascular Quality and Outcomes 9 (Suppl 2), A221-A221

2. **Agunanne E, Abbas A, Mukherjee D. High Burden of Valvulopathy in Heart Failure: A Moving Target.** *Circulation: Cardiovascular Quality and Outcomes* 9 (Suppl 2), A221-A221
3. **Bashashati M, Moossavi S, Rezaei N, Moraveji S, Cremon C, et al . Colonic Immune Cells in Irritable Bowel Syndrome: A Systematic Review and Meta-Analysis.** *Gastroenterology.* 2015; 150 (4): S-951–S-952.
4. Bashashati M, **Moraveji S, Elhanafi S, Sunny JK, Sarosiek I, Davis BR, Torabi A, McCallum RW. Pathological Features of the Pylorus in Gastroparesis.** *Gastroenterology.* 2015; 150 (4): S-344.
5. **Bashashati M, Fichna J, Piscitelli F, Capasso R, Izzo A, et al. Regulation of the Enteric Neuromotor and Sensory Functions in the Mouse With N-Arachidonoyl-Serotonin (AA-5-HT), a Dual Fatty Acid Amide Hydrolase (FAAH) Inhibitor and TRPV1 Antagonist.** *Gastroenterology.* 2015; 150 (4): S-48.
6. Bashashati M, **Sarosiek I, Moraveji S, Dwivedi A, Siddiqui T, McCallum RW. A Meta-Analysis and Systematic Review of Serious Ventricular Arrhythmia and Sudden Cardiac Death With Domperidone Use.** *Gastroenterology.* 2015; 150 (4): S-352.
7. **Botros G, Dwivedi A, Nahleh Z. Rate of breast conserving surgery versus mastectomy in Hispanic/Latina women with breast cancer in El Paso, TX. 2016.** *J Clin Oncol* 34, 2016 (suppl; abstr e12052).
8. **Elhanafi S, Torabi A, Sarosiek I, Davis BR, McCallum RW. Analysis of Interstitial Cells of Cajal in Pyloric Smooth Muscle in Gastroparesis Patients.** *Gastroenterology,* Vol. 148, Issue 4, S-51, 2015.
9. **Farrag S, Dwivedi A, Otoukesh S, Badri N, Sanchez L, Nahleh Z. Prevalence of low vitamin D in patients with breast cancer in a predominantly Hispanic population at the American Mexican border.** *J Clin Oncol* 34, 2016 (suppl; abstr e12051).
10. **McCallum RW, Elhanafi S, Saadi M, Sarosiek I, Davis BR, Torabi A. Relationship of Gastric Emptying With Numbers of Interstitial Cells of Cajal in Antral Muscularis Propria of Gastroparesis Patient.** *Gastroenterology,* Vol. 148, Issue 4, S-517, 2015
11. **Nahleh Z, Doddo C, Dwivedi A, Botrus G. A meta-analysis of randomized controlled trials comparing the effect of neoadjuvant chemotherapy with or without bevacizumab (Bev) in the treatment of breast cancer (BC).** *J Clin Oncol* 34, 2016 (suppl; abstr 577).

12. **Moraveji S**, Bashashati M, **Sarosiek I**, Davis B, Torabi A, **McCallum RW**. **Inclusion body myopathy: Recognition of a new entity in the pathophysiology of Diabetic Gastroparesis**. *Gastroenterology*. 2015; 150 (4): S-722.
13. **Ponce de Leon M**, **Casner PR**. **I can see clearly now; the Charles Bonnet syndrome**. *Journal of the American Geriatrics Society*. 2015; 63: S239.
14. **Sarosiek I**, **Sun Y**, **Song G**, Sandoval H, Sands S, **McCallum RW**. **Rational for Efficacy of Transcutaneous Electrical Acupuncture in Controlling Nausea in Diabetic Gastroparetic Patients**. *Gastroenterology*, Vol. 148, Issue 4, S-143, 2015.
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16. **Song G**, **Sun Y**, Sandoval H, Sands S, **Sarosiek I**, Chen J, **McCallum RW**. **Effects of Transcutaneous Electrical Acupuncture on Vagal Function and CNS Control for Nausea in Patients With Diabetic Gastroparesis**. *Gastroenterology*, Vol. 148, Issue 4, S-820, 2015.
17. **Song G**, **Sarosiek I**, Bashashati M, **Sun Y**, Chen J, **McCallum R**. **Needleless transcutaneous electroacupuncture in synchronization with breathing for treating nausea in patients with idiopathic gastroparesis**. *Am J Gastroenterol*. 2015 Oct;110(Suppl s1):S758.
18. **Sumayin Ngamdu K**, Connery SM, Tolouian R, **El Mallah W**, **Nwosu A**, **Mukherjee D**. **Distribution of Calcification in Coronary Arteries in ESRD and Risk Stratification**. *Am J Kidney Dis*. 2016;67(5):A8.
19. **Teleb M**, Olivas Chacon C, Ramos Duran L, **Wani P**, **Sumayin Ngamdu K**, **El Mallah W**. **Pulmonary artery tumor mistaken as pulmonary thrombus: multiparametric cardiac magnetic resonance imaging**. *J Am Coll Cardiol*. 2016;67(13_S):1030.
20. Tolouian R, Connery SM, **Sumayin Ngamdu K**. **Coronary Artery Calcification & All-Cause Mortality in RRT patients with Diabetes: 5 Year Survival Analysis**. *J Am Soc Nephrol* 2015;26:1052A.
21. Tolouian R, Connery SM. **Lack of Correlation of Pyrophosphate Levels with Survival and Coronary Artery Calcification in Hemodialysis Patients**. *J Am Soc Nephrol* 2015;26:1052-1053A.

22. Wang J, Casner PR. **Comparative analysis of outcomes of an ACE Unit in a Predominantly Hispanic population.** Journal of the American Geriatrics Society. 2015; 63: S268.
23. Zuckerman M, Mohsin R, **Elhanafi S**, Elmallah W, **Jia Y**, Kypreos M, **Sumayin Ngamdu K**, Mallawaarachchi I, Dwivedi A, Mukherjee D. **One-year survival is not affected by gastrointestinal bleeding after percutaneous coronary intervention.** Am J Gastroenterol. 2015; 110 (Suppl 1): S942
24. Zuckerman M, **Jia Y**, Schmulson M, Dwivedi A, **Ortiz M**, Casner N, Byrd T, Navkiran Shokar N. **Low prevalence of irritable bowel syndrome on the U.S.-Mexico border: a survey in an indigent population using the Rome III criteria.** Am J Gastroenterol. 2015; 110 (Suppl 1): S741.
25. Zuckerman M, **Elhanafi S**, Othman MO, **Bustamante-Bernal M**, **Jia Y**, Mallawaarachchi I, Dwivedi A. **Cholangioscopy in the elderly.** Am j Gastroenterol. 2015; 110 (Suppl 1): S656.

OPEN, ACTIVE, ONGOING RESEARCH

Investigator Initiated Research Studies GRANT FUNDED FY16

- **Continuation of the NIDDK Gastroparesis Consortium Co-PIs- Richard McCallum, MD and Irene Sarosiek, MD** *NIH/NIDDK*. 09/01/2011 – 08/31/2016. \$2,075,556

Year 5 – 09/01/2015 – 08/31/2016 - \$469,368

- *Gastroparesis Registry 2 (GpR 2): Continuation of the NIDDK Registry for the Characterization and Clinical Course of Gastroparesis Patients*
- *Understanding The Pathological Basis Of Gastroparesis And Identification Of The Molecular Factors Involved In Its Pathogenesis*

- **Establishing a Cancer Clinical Research Core facility at Texas Tech University Health Science Center in El Paso – PI Zeina Nahleh, MD.** *Cancer Prevention & Research Institute of TEXAS (CPRIT)* 01 Dec 2011 – 30 Nov 2016. - \$1,500,000.00

- **Efficacy of Linaclotide in Type II Diabetics with Chronic Constipation: A Randomized, Double- Blind, Placebo-Controlled, and Cross-Over Trial - PI Irene Sarosiek, MD** - *Forest Research Institute Inc*, IIT- February 2014- February 2016 : \$100,300.00

- **Pathway Exploration and Analysis in Renal Lupus (PEARL)** - Accelerating Medicines Partnership (AMP) – **PIs: G Hernandez, MD, H Salameh, MD, F. Payan-Schober, 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	Sept 2016 – Current	TBA

Department of Internal Medicine Internal Seed Grant Funded - Cycle 6, 7, 8

- **Evaluation of the vagus nerve function in adult patients with cyclic vomiting syndrome using plasma pancreatic polypeptide (PP) response to the sham meal test** - Richard W. McCallum, MD
- **Endocannabinoid gene polymorphisms as a potential predictor of Barrett's esophagus** - Irene Sarosiek, MD
- **The effects of hemodialysis vs. peritoneal dialysis on the progression of systolic and diastolic dysfunction as measured by echocardiography** – Hasan Salameh, MD
- **Developing a new model of gastric motor and electrical function and understanding the underlying mechanisms of gastric neuromodulation.** Richard W. McCallum, MD

- ***Comparison of Different Scoring system for Thromboembolic risk prediction in Hispanic patient with atrial fibrillation.*** Subrata Kar, MD.
- ***Effect of β -Blocker on Proliferation Markers in Patients with Breast Cancer.*** Zeina Nahleh, MD.