Annual Research Productivity Report

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER™
Paul L. Foster School of Medicine
Department of Internal Medicine

Department of Internal Medicine
FY 2014
1 September 2013 – 31 August 2014

Prepared by: Sean M. Connery
Dear Friends—

I am very pleased to bring to you the annual Internal Medicine departmental research productivity report for FY14. The Department had another banner year with 91 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 an incredible resource to all of us.

I am happy to note that the scholarly productivity of the house staff has increased substantially this year and reflect the mentoring/guidance by our excellent faculty. 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!

Debabrata Mukherjee, MD, MS
Chairman
Department of Internal Medicine
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Peer Reviewed Publications

ORIGINAL ARTICLES


REVIEWs AND EDITORIALs


14. Switzer MP, Nwosu AC, San Juan Z, Mukherjee D. Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) and LDL Lowering in the Contemporary
PUBLISHED ABSTRACTS


12) Othman M, Eloliby M, Davis B, Guerrero R, Sanchez L, Swivedi A, Alvarado L, Zuckerman M. Cap assisted colonoscopy (CAC) is associated with increased detection of advanced adenoma and total number of polyps per patient in a randomized controlled trial in a predominantly Hispanic population. Gastrointest Endosc. 2014;79 (Suppl): AB555.


20) **M. Othman, B. Davis, A. Torabi, I. Sarosiek, R. McCallum. Successful Endoscopic Ultrasound Guided Biopsies of Gastric Muscularis Propria in Gastroparesis Patients.** ACG, Volume 108 Supplement 1, Pg. S37


22) **I. Sarosiek, D. Vasquez, R. McCallum. Scintigraphic and Breath Test Evaluations of Gastric Emptying in the Same Patients: What are the Results?** ACG, Volume 108 Supplement 1, Pg. S42.


25) **Irene Sarosiek, A. Alvarez, R. Romero, Y. Gomez, N. Vega, R. McCallum J. Sarosiek; Lubiprostone, a Selective Type 2 Chloride Channel Activator- A Novel Agent Investigated with the “SmartPill” Methodology.** MCA BIOMED Research Symposium Abstract Book October 2013, page 13


Abstracts – No Citation


E. Onate, I Sarosiek, K. Liu, A. Dwivedi, R. McCallum; Increased rate of gastric emptying after pyloroplasty correlates with reduction of gastroparetic symptoms – SSCI meeting, February 2014

Saadi M, Torabi A, Moraveji S, Sunny J, Davis B, Sarosiek I, McCallum R: Histological evidence of inflammatory changes in the muscularis propria of gastric smooth muscle in idiopathic gastroparesis patients- SSCI meeting February 2014
CASE REPORTS


BOOK CHAPTERS


LETTER TO THE EDITOR


6. **Casner PR.** Commentary on "safety profile of high-dose statin therapy in geriatric patients with stroke". South Med J. 2013 Dec;106(12):665-6.
Medical Student, Resident, and Fellows Research Activity
(IM Resident/Fellow Italic, Faculty Sponsor / Mentor)

JOURNAL ARTICLES


10. Sun Y, Tan Y, Song G, Chen JD. Effects and mechanisms of gastric electrical stimulation on visceral pain in a rodent model of gastric hyperalgesia secondary to

**REVIEWS – EDITORIALS**


**ABSTRACTS**


CASE REPORTS


OPEN, ACTIVE, ONGOING RESEARCH
Investigator Initiated Research Studies
GRANT FUNDED FY14

- 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 3 – 09/01/2013 – 08/31/2014 - $386,847
  o Gastroparesis Registry 2 (GpR 2): Continuation of the NIDDK Registry for the Characterization and Clinical Course of Gastroparesis Patients
  o Pilot Study of the Safety, Feasibility, and Potential Efficacy of Continuous Glucose Monitoring and Insulin Pump Therapy in Diabetic Gastroparesis (GLUMIT-DG)
  o Aprepitant for the Relief of Nausea in Patients with Chronic Nausea and Vomiting of Presumed Gastric Origin. A Multicenter, Randomized, Double-Marked, Placebo-Controlled Trial (APRON)
  o 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

- A Prospective Study of the Risk of Bacteremia in directed Cholangioscopic examination of the CBD. PI - Mohamed O Othman, MD. “Smaller Programs” Clinical Research Award from the American College of Gastroenterology. 1 July 2012 – 31 December 2013. $11,500

- Endosonography for Examination of the Structural Changes of the Stomach. PI – Mohamed O Othman, MD. Paul L. Foster SOM, Seed Grant 3/1/2013 to 08/31/2014. $19,750

- Reduction of re-hospitalization in Heart Failure Patients Using Body Weight Surveillance
  PI Enoch Agunanne, MD, [IM Cardiology Fellow], Debabrata Mukherjee, MD [Faculty Mentor] American Medical Association (AMA) 2014 Seed Grant Research Program, April 2014 - April 2015. - $2,500


- An Investigation of Cytokines as Potential Biomarkers for Gastroparesis and Diabetes among Postmenopausal Female – PI Irene Sarosiek, MD. - Laura W. Bush Institute for Women's Health and University Medical Center Women's Health Research Scholar Fund -$22,265

- An Investigation of Cytokines as Potential Biomarkers for Gastroparesis and Diabetes among Postmenopausal Female – PI Irene Sarosiek, MD. - Laura W. Bush Institute for Women's Health and University Medical Center Women's Health Research Scholar Fund – October 2013- June 2015 $22,265
- Genomic Characterization of Diabetic Gastroparesis  PI- Irene Sarosiek, MD NIH/NIDDK DiaComp: October 2012- June 2014- $99,999.00

- Inflammatory cytokines in male diabetic gastroparesis patients –PI Irene Sarosiek, MD TTUHSC PLFSOM SARP award May 2014-May 2015: $3998

- 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

Department of Internal Medicine Internal Seed Grant Funded - Cycle 5

- Reduction of re-hospitalization in Hear Failure Patients Utilizing Body Weight Surveillance – Dr. Abbas & Dr. Agunanne

- Defining Cluster Components of the Metabolic Syndrome in Border State Hispanics - Dr. Gough & Dr. Dochee

- Effects of Transcutaneous Electroacupuncture (TEA) on Brain Function and Gastric Function in Gastroparesis - Dr. McCallum, Dr. Song, & Dr. Sun

- Bacterial Genotyping in Patients with Small Intestinal Bacterial Overgrowth - Dr. Mendoza Ladd

- Epithelial-Mesenchymal Transition (EMT) Markers in Hispanic Breast Cancer Patients Receiving Neoadjuvant (preoperative) Chemotherapy and Correlation with Pathological Response - Dr. Nahleh & Dr. El Far

- Prevalence and characterization (outcomes) of Lung Vascular Disorders in Hispano-American Population with Portal Hypertension/Liver Cirrhosis - Dr. Porres