



TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER™  
EL PASO

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

**Summary Scholarly Activity**  
***July 2019 – Present***

**Dr. Gavito**

- "Cerebrovascular blunt trauma: Spectrum of imaging findings" R. Bou Said; C. Mullins; J. Gavito-Higuera The ASER 2019 Annual Scientific Meeting and Postgraduate Course in Emergency and Trauma Radiology, September 11 - 14, 2019 at the Hyatt Regency Gainey Ranch in Scottsdale, Arizona. (educational exhibit)
- "Neuroanatomical correlates of neuropsychiatric symptoms in Hispanics with Alzheimer's disease" H. Sandoval, R. Salazar, J. Gavito, C. Mullins, R. Garcia, October 9-11, 2019 19th Annual International Conference National Hispanic Science Network, New Orleans, LA (poster)
- "Cortical and Sub-Cortical Anatomical Correlation with Emergent Neuropsychiatric Symptoms in Mild Alzheimer`s Disease" Salazar, Ricardo; Sandoval , Hugo; Mullins, Carola; Garcia, Roberto; Gavito-Higuera, Jose; Alvarado, Luis; Dwivedi, Alok; Calhoun, Vince, The Journal of Neuropsychiatry and Clinical Neurosciences; ANPA Annual Meeting (oral presentation, cancelled due to COVID)
- Rohana, K. El Salek, C. Mullins, J. Gavito-Higuera. "Pictorial Review of The Most Common Orbital and Ocular Trauma." ASNR Annual Conference. Las Vegas, NV. 2020.
- Rohana, K. El Salek, C. Mullins, J. Gavito-Higuera. "Neurocysticercosis Endemic in the Borderland: Imaging Utilization for Diagnosis of Disease Spectrum." ASNR Annual Conference. Las Vegas, NV. 2020.

- A.Rohana, K. El Salek, C. Mullins, J. Gavito-Higuera. "Pearls and Pitfalls of Brain Death Imaging; A Case Based Review." ASNR Annual Conference. Las Vegas, NV. 2020.
- Brain Imaging of Cyclic Vomiting Syndrome with and without Marijuana use ; Human Brain Mapping (HBM) 2020 Hugo Sandoval, Vince Calhoun, Victor Vergara , Tyler Davis, Jose Gavito, Carola Mullins, Irene Sarosiek, Richard McCallum (cancelled due to COVID)
- Key Findings in Cervical Trauma: A pictorial review Jordan-Guedes, Claudia Alexandra; Bou-Said, Ryan; La Follette, Carola; Gavito-Higuera, Jose ASER 2020
- Emergent Findings in the sellar / parasellar region: What the radiologist needs to know Bou Said, Ryan; Jordan-Guedes, Claudia Alexandra, La Follette, Carola; Gavito-Higuera, Jose ASER 2020
- Acute Ischemic Stroke using automated CT perfusion: False Positives and Negatives in Clinical Practice; Gavito-Higuera, Jose; La Follette, Carola; ASER 2020
- Maxillofacial Trauma: A Pictorial Review of Midfacial Fractures Felix, Pablo; La Follette, Carola; Gavito-Higuera, Jose ASER 2020
- K. El Salek, A. Rohana, C. Mullins, J. Gavito-Higuera. "Pictorial Review of Challenging Orbital Lesions; Diagnostic Dilemmas in Advanced and Rare Cases." RSNA 106th Scientific Assembly and Annual Meeting 2020.
- J. Gamboa, A. Rohana, C. Mullins, J. Gavito-Higuera. "The Hippocampal World: What the Radiologist Needs to Know" RSNA 106th Scientific Assembly and Annual Meeting 2020.

## **Dr. Diaz**

- "Late Onset Rapid Gastric Emptying: A New Entity To Explain Post-Prandial Symptoms" Jesus Diaz, Christopher Dadoo, Carola Mullins, Alok Dwivedi, Richard McCallum, ACG 2019 Annual Scientific Meeting, San Antonio, TX October 25-30 2019 (poster)
- Gastric electrical neurostimulation combined with pyloroplasty for refractory diabetic gastroparesis improves subjective and objective outcomes, poster to be presented at the American Diabetes Association 6/12-6/16 2020
- Alcohol and Gastric Motility: Pathophysiologic and Therapeutic Implications, accepted for publication on 4/29/2020 in the Journal of Investigative Medicine
- "Incorporating Bortezomib in the Management of Plasmablastic Lymphoma." Umeanaeto O, Gamboa J, Diaz J, Hakim MN, Corral J, Philipovskiy A, Gaur S. Anticancer Res. 2019 Sep;39(9):5003-5007. doi: 10.21873/anticancerres.13690. PMID: 31519607
- Plummer Vinson syndrome: A time for redefinition and a new perspective, Manuscript to be submitted
- Late-onset rapid gastric emptying: Identification of a new entity to explain symptoms in patients with normal results on gastric emptying scintigraphy, Richard McCallum, Carola Mullins, Irene Sarosiek, Jesus Diaz, Manuscript accepted for publication in Neurogastroenterology & Motility, under revision
- Gastroparesis Book Chapter 11 Gastric emptying scintigraphy, pending publication Elsevier
- SNMMI GI Transit AUC in the Journal of Nuclear Medicine and Molecular Imaging March 2020
- Functional Gastroduodenal Disorders in a Predominantly Hispanic Population: A Cross-Sectional Study Jesus Diaz, Alejandro Robles, Majd Michael, Richard W. McCallum ACG 2020
- Intragastric Meal Distribution Analysis by Gastric Emptying Scintigraphy in Patients With Rumination Syndrome Jesus Diaz, Alejandro Robles, Majd Michael, Richard W. McCallum ACG 2020

## **Dr. Laks**

- Jordán Guedes C, Mullins C, Jimena M, Martinez CA, Laks S. Abnormal Placentation: A case series. Texas Radiological Society (TRS) 107th Annual Meeting 2020
- Galvan, D., Mullins, C., Dudrey, E., Kafchinski, L., & Laks, S. Giant cell tumor of the talus: A case report. Radiology Case Reports 2020 15(7), 825-831. PMID: 32346462
- Hardin, N, Laks S, Mullins C, Padilla O, Kafchinski L, Smith C, Hand masses: an essential MRI review. Applied Radiology 2019 May-June 48(3).
- Solis R, Mahaney J, Monhebalı R, Laks S, Wax M, Brockhoff H. Digital imaging evaluation of the scapula for prediction of endosteal implant placement in reconstruction of oromandibular defects in scapular free flaps. Microsurgery 2019 Nov;39(8):730-736
- Trevino N, Kafchinski L, Sundarakumar D, Smith C, Laks S. Mirel Classification for Pathologic fracture Risk: What the Radiologist Needs to Know. American Roentgen Ray Society meeting, 2020 (Accepted for presentation meeting canceled due to COVID 19)
- Stacy Mathews, Shaked Laks, Carola La Follette, T. Ignacio Montoya and Pedro A. Maldonado. Concomitant Recto vaginal Fistula and Pelvic Organ Prolapse. Accepted for Publication Baylor University Medical Proceeding 06/2020

## **Dr. Ghaleb**

- C. Diab, A. Rohana, P. Felix, E. Tatro, G. Galura. M, Ghaleb. Case Review: Portal Venous Aneurysms and Arteriportal Fistulas. Pending submission 2019.

## **Dr. Bermo**

- Mohammed Bermo, MD; Satoshi Minoshima, MD; David H. Lewis, MD, et al. The role of the cerebellum in pain perception: Evidence from brain perfusion SPECT study in burn patients. Scientific paper under revision at Journal of Neuroimaging.
- Tasnim Khessib, MD; Mohammed Bermo, MD; Sanaz Behnia, MD. Physiologic Testicular 18F-FDG Uptake on PET/CT in Patients

with Lymphoma: Correlation with Age. Scientific paper submitted to Clinical Nuclear Medicine.

- Saeed Elojeimy, MD; Mohammed Bermo, MD. A Case of Multiple Aggressive Osseous Hemangiomas on Bone Scan. Accepted for publication at Radiology Case Reports.
- Mohammed Bermo, MD; David Lewis, MD: Virtual Reality for burn patients undergoing imaging and treatment: Invited review paper for Topics in Magnetic Resonance Imaging, PMID: 3251197.
- Mohammed Bermo, MD; Meena Kumar, MD; Manuela Matesan, MD. The Peritoneum: What Nuclear Radiologists Need to Know. Invited educational article. Seminars in Nuclear Medicine, in press.

### **Dr. Kunam**

- Atypical painless vision loss in a patient with Granulomatosis with Polyangiitis Patricia C. Nelson, Vamsi Kunam, Claudia Prospero Ponce, in progress
- "Hemorrhagic cyst in liver case report" with Dr. Mahesh Gajendran in progress

### **Dr. Sandoval**

- Kaufman Noah K., Lyke Patricia A., Walter Jennifer G., Bush Shane S. , Tonarelli Silvina B. , Sandoval Hugo , King John No Free, Appropriate, Public Education for Most Neuropsychologically Referred Outpatients Journal of Pediatric Neuropsychology

### **Dr. Osman**

Publications:

- Association of interleukin-17A Gene Polymorphisms and Susceptibility to Systemic Lupus Erythematosus in Egyptian Children and Adolescents: A Multi-Centre Study. *Lupus.* 2020 May 7:961203320922305. doi: 10.1177/0961203320922305. Online ahead of print. PMID: 32380889
- Ficolin-1 Gene (FCN1) -144 C/A Polymorphism Is Associated With Adverse Outcome of Severe Pneumonia in the Under-Five Egyptian Children: A Multicenter Study. *Pediatr Pulmonol.* 2020 May;55(5):1175-1183. doi:

Book chapters:

- Abdelgawad A, Sherif O and Naga O (ed). Pediatric Orthopedic: Handbook for primary care physicians, 2nd edition. Springer, New York 2020.
- Progress: Cesarian scar pregnancy: Karlie Snead, Sherif Osman, Mariam Moshiri.

**Dr. Ayyappan**

- Thompson CM, Mallawaarachchi I, Dwivedi DK, Ayyappan AP, Shokar NK, Lakshmanaswamy R, Dwivedi AK. \*\*The Association of Background Parenchymal Enhancement at Breast MRI with Breast Cancer: A Systematic Review and Meta-Analysis. PMID: 31237494
- Dana C Galván, Anoop P Ayyappan, Brad A Bryan. \*\*Correction: Regression of Primary Cardiac Angiosarcoma and Metastatic Nodules Following Propranolol as a Single Agent Treatment. PMID: 31608300

**Dr. Ezhapilli**

- Ellen Dudrey 1, Jesse Qiao 2, Sajeev Ezhapilli 3, Syed M Gilani 2. \*\*Cerebrospinal Fluid Cytology With Abnormal Cells: Diagnostic Considerations. PMID: 31299128
- C. Ofosu 1, S. Ezhapilli 2; \*\*The European Congress of Radiology 2020. #10932: Intracranial arterial fenestrations: CTA & MRA imaging illustrations w/ review of clinical significance. (EPOS Educational Poster)
- S. Ezhapilli; \*\*The European Congress of Radiology 2020. #15339: Spondylodiscitis: Pictorial review of MR imaging findings w/ focus on common mimics. (EPOS Educational Poster)

**Dr. Parra**

- Sindhuja T Govindarajan, Yilin Liu, M. Andrea Parra et al. Neural correlates of slowed information processing speed in multiple sclerosis patients with young age onset

## **Dr. El Salek**

- EL Salek K, Williams G. “Case Based Review of Line Related Complications and IR based Management Strategies.” SIR 2020

## **IRB approved projects**

E20033 PI Dr. Gavito Sex Neural Correlates of Smoking and Nicotine Vaping withdrawal among Hispanic young adults

201701 PI Tonarelli, Silvina B, Biomarkers and Neuropsychological Functioning in a Low Income Youth Sample (collaboration)

E17105 PI McCallum, Richard W, Central Nervous System regulation mechanisms of cyclic vomiting syndrome (collaboration)

E17101 PI Salazar, Ricardo, Neuroimaging Study in Hispanics with AD Neuroanatomical correlates of neuropsychiatric symptoms in Hispanics with Alzheimer`s disease (collaboration)

E19095 PI Gavito-Higuera, Jose, Retrospective Review of Creutzfeldt - Jakob disease (CJD)

E20086 PI Zafar, Abdul M, Optimization of Abdominal Ultrasound Protocol.

E19118 PI Gavito-Higuera, Jose, The effects of bariatric surgery and weight loss on food addiction, brain anatomy and connectivity

E15062 PI McCallum, Richard W, Radionuclide Gastric Emptying Before and After Consensus Recommendations: A Comparative Ongoing Study At Texas Tech University Hsc El Paso (collaboration)

E19115 PI Laks, Shaked, Medical Students Interest in Interventional Radiology: What do they know? Would the Introduction of High-Fidelity Endovascular Simulation and Ultrasound Guided Phantom Interventions sessions make a difference?

E18008 PI Diaz, Jesus Rafael, MDEmptying Of Gastric Fundus And Dynamic Antral Scintigraphy In Patients With Suspected Upper Gi Dysmotility Disorder

E20047 PI Ayyappan, Anoop P, Radiological findings on ventilated trauma patients receiving Rotational kinetic bed therapy: Impact of high Rotational bed parameters.

E19135 PI Ayyappan, Anoop P, Comparison Of Chest Ct Findings In Cavitary Pulmonary Cocciidiodomycosis With Mycobacterial Tuberculosis Cavitary Lung Disease

E19096 PI Ayyappan, Anoop P, Md Impact Of Forearm Dxa In Breast Cancer Patients In Determining Eligibility For Bone Modifying-Agent Therapy

E14031 PI Diaz, Jesus Rafael, MD Dynamic antral scintigraphy in patients with suspected gastric dysmotility disorders.