

THE OHIO STATE UNIVERSITY WEXNER MEDICAL CENTER
DEPARTMENT OF SURGERY GRAND ROUNDS

Research presentation in partial fulfillment for the Doctorate in Biomedical Sciences degree:



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PGY-3, General Surgery Residency Training Program, OSU

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“Post-Graduate Reflections: The Need for a PhD during Surgical Residency”

Manuscripts in Submitted.

Jalilvand AD, Blaszcak A, Bradley D, Noria SF, Hsueh W. The Impact of Bariatric Surgery on Adipose Tissue Inflammation: Post-operative Changes in Adipocytes, Adipose Tissue Macrophages and Resident T Cells. International Journal of Obesity. 2019

Jalilvand AD, McNally M, Belle P, Perry KP. Vitamin A Deficiency in Patients undergoing Sleeve Gastrectomy and Gastric Bypass: A Two-Year, Single Center Review. JLAST. 2019; revisions submitted.

Jalilvand AD, Jones E, Martin del Campo S, Perry KP. Octogenarians Exhibit Quality of Life Improvement but Increased Morbidity After Paraesophageal Hernia Repair. American Journal of Surgery. 2019; revisions submitted.

Research Publications:

Blaszcak AM, Wright VP, Anandani K, Liu J, **Jalilvand AD**, Hsueh W. Loss of Antigen Presentation in Adipose Tissue Macrophages or in Adipocytes, but Not Both, Improves Glucose Metabolism. J Immunol. 2019; 202 (8).

Holcomb CN, Switzer NK, **Jalilvand AJ**, Perry KP. Impact of Psychiatric Disorders on Patient Satisfaction after Nissen Fundoplication. Surg Endosc. 2019.

Jalilvand A, Blaszcak A, Dewire J, Dettly A, Needleman B, Noria S. Laparoscopic Sleeve Gastrectomy is an Independent Predictor of Poor Follow-Up and Reaching $\leq 40\%$ Excess Body Weight Loss at 1,2, and 3 Years after Bariatric Surgery. Surgical Endoscopy. 2019.

Switzer NJ, Holcomb C, **Jalilvand AD**, McNally M, Power A, Belle A, Perry KP. Laparoscopic Nissen Fundoplication Improves Disease-Specific Quality of Life in Patients with Gastroesophageal Reflux Disease and Functional Gastroesophageal Outflow Obstruction. Surgical Endoscopy. 2019.

Blaszcak AM, **Jalilvand AD**, et al, Hsueh W. Human Visceral Adipose Tissue Macrophages are not Adequately Defined by Standard Methods of Characterization. J Diabetes Res. 2019.

Jalilvand AD, McNally M, Belle P, Perry KP. Patterns of Hospital Utilization after Elective Minimally Invasive Foregut Surgery. Surgical Endoscopy. 2019.

Chimukangara M, **Jalilvand A**, Melvin WS, Perry KP. Long-term Reported Outcomes of Transoral Incisionless Fundoplication: A 8-Year Cohort Study. *Surgical Endoscopy*. 2019.

Montmorano L, Smrz SA, **Jalilvand AD**, Noria SF, Salani R. Bariatric Surgery after Failed Conservative Management in a Morbidly Obese Patient with Endometrial Cancer. *Gynecol Oncol Rep*. 2019.

Jalilvand A, Noria S. Baseline Psychiatric Diagnoses are Associated with Early Readmissions and Long Hospital Length of Stay after Bariatric Surgery. *Surgical Endoscopy*. 2018; 33 (5)

Bradley D, Liu J, Blaszczak A, Wright V, **Jalilvand A**, Needleman B, Noria S, Renton D, Hsueh W. Adipocyte DiO2 Expression Increases in Human Obesity but Is Not Related to Systemic Insulin Sensitivity. *Journal of Diabetes Research*, vol. 2018, Article ID 2464652, 7 pages, 2018

Pratt KJ, **Jalilvand A**, Noria S. Postoperative Outcomes Based on Patient Participation in a Pre-Surgery Education and Weight Management. *SOARD*. 2018; 14 (11).

Jalilvand A, Perry KA. Efficacy and safety of a single staged endoscopic approach to Barrett's esophagus and early esophageal adenocarcinoma. *ALES* 2016; 1 (30).

Jalilvand A, Suzo A, Noria S. The Impact of Care Coaching On Hospital Length of Stay, Readmission Rates, Post-Discharge Phone Calls, and Patient Satisfaction Post-Bariatric Surgery. *SOARD*.2016; 12 (9).

Andolfi C, **Jalilvand A**, Plana A, Fisichella PM. Surgical Treatment of Paraesophageal Hernias: A Review. *J Laparoendosc Adv Surg*. 2016; 26 (10).

Pittman MR, **Jalilvand A**, Suzo A, Jones EL, Perry KA. Early Post operative Outcomes of Magnetic Gastroesophageal Junction Reinforcement Compared to Laparoscopic Nissen Fundoplication. *Gastroenterology* 148.4 (2015): S-1159

Schwartz J, **Jalilvand A**, Mikami. Chapter 24: Primary Endoscopic Bariatric Treatments in Kroh & Reavis' *The SAGES Manual Operating Through the Endoscope*. 2016;429-443.

Jalilvand A, Sarker S, Fisichella PM. A rare case of mesh infection three years after a laparoscopic TEP inguinal hernia repair. *Surg Laparosc Endosc Percuta Tech*.2015;25(2):69-71

Fisichella PM, **Jalilvand A**, Lebenthal A. Diagnostic evaluation of achalasia: from the whalebone to the Chicago Classification. *World J Surg*. 2015 Jul;39(7):1593-7

Fisichella PM, **Jalilvand A**, Dobrowolsky A. Achalasia and Epiphrenic Diverticulum. *World J Surg*. 2015; 39 (7).

Jalilvand A, Fisichella PM. Superior mesenteric Artery Syndrome. *Digestive and Liver Disease. Dig Liver Dis*. 2014 Sep;46(9):859

Rosenthal L, **Jalilvand A**. Swibel Rosenthal, LH, Jalilvand, A: Hearing Loss Syndromes, in *Pediatric Otolaryngology – Head and Neck Surgery: A Clinical Reference Guide*, S Parikh, C Zdanski, Pleural Publishing Pocket-Book, San Diego. 2015.

Rosenthal LH, Drake AF, Rose AS, Harmon PJ, Bell BM, Zdanski CJ, **Jalilvand A**. Management of Congenital Oropharyngeal Masses Resulting in Cleft Palate. *J Otol Rhinol*. 2015; 3:2. doi:10.4172/2324-8785.1000153

Fisichella PM, **Jalilvand A**. The role of altered esophageal and gastric motility in end-stage lung diseases and after lung transplantation. *Journal of Surgical Research. J Surg Res*. 2014 Jan;186(1):201-6

Jalilvand A, Fisichella PM Chapter 7: Epiphrenic diverticulum in: Evaluation and treatment of esophageal disease. Editors: Fisichella PM, Allaix ME, Morino M, Patti MG Publisher: Springer.2014;109-118

Jalilvand A, Fisichella PM, Hiranyatheeb P, Ferguson Chapter 7: Treatment of epiphrenic diverticula In: *The surgical treatment of benign esophageal disorders: the Chicago approach*. Editors: Fisichella PM, Soper NJ, Pellegrini CA, Patti MG Publisher: Springer. 2014: 69-83

Guder F, Malliaris M, **Jalilvand A**. Changing the Culture of a school The Effect of Larger class size on instructor and student performance. Amer Jour of Business.2009: 83-89

GRAND ROUNDS and INVITED PRESENTATIONS:

Jalilvand A. The Impact of Bariatric Surgery on Adipose Tissue Inflammation and a Novel Role for Post-Surgical Vitamin A Supplementation. Grand Rounds Presentation: The Ohio State Wexner Medical Center. February 2019.

Jalilvand A. Implementing Multidisciplinary Care with the ENERGY Protocol. National Webinar. 2018.

Jalilvand A. The Impact of Bariatric Surgery on Adipose Tissue Inflammation. Grand Rounds Presentation: Diabetes and Metabolism Research Conference. The Ohio State Wexner Medical Center. September 2017.

Jalilvand A. Care of the Bariatric Patient: Clinical and Translational Research: Ohio State Wexner Medical Center Bariatric Symposium. 2017

Research Oral Presentations Accepted to Date:

Jalilvand A, B Needleman, S Noria. The Risk of Public Insurance on Non-Urgent Versus Urgent 30-Day Readmissions After Bariatric Surgery. [Abstract] Accepted for Oral Presentation at the American College of Surgeons; San Francisco CA, 2019

Jalilvand A, Perry KP. Baseline Symptom Scale Scores May Predict Early Readmissions after Minimally Invasive Foregut Surgery. [Abstract] Accepted for Oral Presentation at SAGES 2019

Jalilvand A, Noria SF. Protein Pump Inhibitor Metabolism Is Altered In A Significant Portion Of Bariatric Candidates And May Be Associated With Early Marginal Ulceration After Gastric Bypass. Oral Presentation at DDW 2019.

Jalilvand A, Noria SF. Laparoscopic Sleeve Gastrectomy is an Independent Predictor for Poor Follow-Up and Weight Loss after Bariatric Surgery. Oral Presentation at SAGES 2019

Jalilvand A, Noria SF. Laparoscopic Sleeve Gastrectomy is an Independent Predictor for Poor Follow-Up and Weight Loss after Bariatric Surgery. Oral Presentation at Columbus Surgical Society 2019.

Jalilvand A, Pino M, Belle P, Merritt RE, Perry KP. Laparoscopic Gastric Devascularization is Associated with Reduced Complications after Ivor-Lewis Esophagectomy. Oral Presentation at the American College of Surgeons Clinical Congress; Boston, MA 2018

Jalilvand A. From Bench to Bedside: Vitamin A Deficiency and Adipocyte Vitamin A Metabolism after Bariatric Surgery. Surgery Day of Research Oral Presentation. 2018

Jalilvand A, Pino M, Belle P, Merritt RE, Perry KP. Laparoscopic Gastric Devascularization is Associated with Reduced Complications after Ivor-Lewis Esophagectomy. [Abstract] Oral Presentation at Columbus Surgical Society 2018.

Jalilvand A, Needleman BJ, Noria S. A Comparison of Pre-operative Endoscopic Biopsy Findings to Gastric Specimens after Sleeve Gastrectomy. [Abstract] Oral Presentation at Columbus Surgical Society 2018.

Jalilvand A. Changes Adipose Tissue Inflammation after Bariatric Surgery. Surgery Day of Research Oral Presentation. June 2017

Jalilvand A, Noria S. Pre-Operative Weight-loss on a Liver Shrink Diet Predicts Early Weight-loss after Bariatric Surgery. [Abstract] American Surgical Congress Oral Presentation 2017.

Jalilvand A, Perry KP. Stratification Improves the ACS Risk Calculator for Laparoscopic Paraesophageal Hernia Repair. American Surgical Congress Oral Presentation 2017

Jalilvand A, Noria S. Baseline Psychiatric Diagnoses are Associated with Early Readmissions and Long Hospital Length of Stay after Bariatric Surgery. [Abstract] SAGES Oral Presentation 2017

Jalilvand A, Perry KA. Impact of Symptom Association Probability on Outcomes of Laparoscopic Nissen Fundoplication. [Abstract]. Oral Presentation at the American Surgical Congress 2017.

Jalilvand A, Suzo A, Noria S. The Impact of Care Coaching On Hospital Length of Stay, Readmission Rates, Post-Discharge Phone Calls, and Patient Satisfaction Post-Bariatric Surgery. ASMBS Podium Presentation. November 2015.

Jalilvand A, Pittman M, Fisichella PM. Laparoscopic Extracorporeal Repair of a Morgagni Diaphragmatic Hernia. American College of Surgeons 2014, San Francisco. Video presentation.

Research Poster Presentations Accepted to Date:

Jalilvand A, W Hsueh. Changes in Retinol Metabolism May Be Associated with Reduced Antigen Presentation in Adipocytes after Bariatric Surgery. [Abstract] Accepted for ASMBS 2019 Presidential Poster Presentation

Jalilvand A, Noria S. Hospitalization and Weight Loss Characteristics of Patients with High Scores on the Hypochondriasis Scale [Abstract] Accepted for ASMBS Poster Presentation 2019

Jalilvand A, Noria S. Baseline Personality Differences Between Sleeve Gastrectomy And Gastric Bypass Cohorts And Their Association With Consecutive Follow-Up After Bariatric Surgery [Abstract] Accepted ASMBS Poster Presentation 2019

Jalilvand A, Perry KP. Functional Gastrointestinal And Neurologic Disorders May Alter Gastroesophageal Reflux Disease Presentation And Post-Operative Symptomology And Quality Of Life Following Nissen Fundoplication. [Abstract] Poster Presentation at DDW 2019

Jalilvand A, Noria S. Psychometric Measures Associated with Clinical Outcomes after Bariatric Surgery. [Abstract] ASMBS Poster Presentation 2018

Jalilvand A, Noria S. Characterizing the Impact of Vitamin A Deficiency after Primary Bariatric Surgery. ASMBS Poster Presentation 2017.

Jalilvand A, Schwartz JS, Jones EL, Meara MP, Hazey JH, Perry KP. Per-Oral Endoscopic Myotomy Produces Durable Improvement in Dysphagia Symptoms and Patient Quality of Life. Poster presentation at DDW 2017.

Jalilvand A, Perry KP. Laparoscopic Paraesophageal Hernia Repair Improves Disease-Specific Quality of Life in Octogenarians. Poster Presentation at SAGES 2017.

Research & Travel Awards:

Advanced Research Training in Immunology for Surgical Trainees (ARTIST) NIH T-32
05/2017- 05/2019
T32 NIH NIH:1T32AI106704-01A1

SAGES Quality Improvement Travel Award
04/2017



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