Moses Gunn Posters 2016

1) Ziru Li, PhD; Activation of mTOR Protects Liver from Ischemia and Reperfusion Induced Injury through NFκB Pathway

2) Stephan Diljak, BS; Human Intestinal Tissue Generated from Embryonic Stem Cells Produce Insulin after Transplantation

3) Xin Chen, MD; Increasing the Efficacy of Cancer Stem Cell-Based Vaccine in the PD-L1/PD-1 Blockade

4) Alexander T. Reid, BA; Prophylactic Central Neck Dissection in Papillary Thyroid Cancer Allows or Appropriate Avoidance of Radioactive Iodine

5) Andrew Rizzi; Peritoneal Dialysis Catheter-Associated Peritonitis Risk following Kidney Transplant

6) Christine Wu, BA; Elbows Deep in the Third-Year Surgery Clerkship: Assessing Our Feedback Systems

7) David Cron, BS; Preoperative Opioid Use is Independently Associated with Increased Costs and Worse Outcomes following Major Abdominal Surgery

8) David Cron, BS; Frailty and Post-Liver Transplant Healthcare Utilization

9) William Weir, MD; Analytic Morphomics Predict Outcomes after Lung Volume Reduction Surgery

10) Mark Healy, MD; Insurance Status is Linked with Variation in Survival and Metastatic Site Resection in Patients with Advanced Colorectal Cancer

11) Randal S. Smith; Proof of Concept for a Neosphincter Prelaminated with a Lining of Human Primary Oral Muscosa Cells

12) Lihui Wang, MS; Long Non-Coding RNA LINC00857 is Predictive of Poor Patient Survival and Promotes Tumor Progression via EGFR Signaling in Lung Cancer

13) Yaqing Zhang, MD, PhD; Myeloid Cells Regulate Pancreatic Carcinogenesis and Remodeling

14) Heather Schofield; A New Mouse Model Demonstrates the Necessity of Mutant p53 Expression for Pancreatic Cancer Progression

15) Alexis G. Antunez, BA; Pediatric Appendicitis: Time to Give Antibiotics

16) Alexis G. Antunez, BA; Evidence-Based Management of Chylothorax in Infants

17) Bipin Sunkara, BA; Influence of Concurrent Thyroid Pathology on Parathyroidectomy for Primary Hyperparathyroidism

18) Bipin Sunkara, BA; Risk Factors for Post-Operative Complications after Axillary or Inguinal Lymph Node Dissection for Melanoma

19) Bipin Sunkara, BA; Risk Factors for Recurrence after Axillary or Inguinal Lymph Node Dissection for Melanoma

20) Wayne G. Sun; Using Morphometric Modeling to Assess Preoperative Risk in Children with Thoracic Insufficiency Syndrome

21) Patrick Georgoff, MD; Alterations in the Healthy Human Proteome following Administration of Valproate

22) Kassia M. Biddle, BS; Evaluation of Ultrasound-Guided Seton Placement in Pediatric Perirectal Disease

23) Ki Suk Kim, PhD; The Age-Dependent Effects of Preproglucagon on High-Fat Diet Intake

24) Leiming Xia, MD; Administration of anti-PD-L1 Boosts HER2-Targeted T Cell Adoptive Immunotherapy

25) Josh Peterson, BS; Local and Circulating Endothelial Cells Undergo Endothelial to Mesenchymal Transition (EndMT) in Response to Musculoskeletal Injury

26) Anthony N. Hage, BS; Electronic Cigarette Vapor Induces Proinflammatory Mediators and Cell Adhesion Molecule Expression in Vascular and Immune Cells
27) Anthony N. Hage, BS; **Neoadjuvant Chemotherapy may Improve Surgical Options for Patients with Hormone Receptor Positive Breast Cancer**

28) Peter White, MD; **Withanolides Inhibit Glycolysis, Growth, Migration, and Invasion in Melanomas Through Induction of Reactive Oxygen Species**

29) Steven Hasday, BS; **Are Practicing Surgeons Using the Most Effective Training Methods when Learning New Procedures and Technologies?**

30) Stefan Garcia, BA; **The Quality of Published Systematic Reviews in Breast Reconstruction: An Analysis using AMSTAR**

31) Raymond Strobel, BS; **Perioperative Risk Factors for Secondary Lymphedema following Axillary or Inguinal Lymphadenectomy for Melanoma**

32) Raymond Strobel, BS; **Predicting Wound Complications with Pre-Operative CT Scans**

33) Frank M. Davis, MD; **Surgical Site Infection: Incidence, Prediction, and Risk Factors following Open Surgery for Lower Extremity Revascularization**

34) Alyssa A. Mazurek, BS; **The Utility of Morphomics in Predicting Mortality after Open and Endovascular Abdominal Aortic Aneurysm Repair**

35) Elika Shabrokh, PhD; **Weight Independent Effects of Bariatric Surgery on Breast Cancer**

36) Lei Wan, PhD; **Synergistic Effect of Eribulin and a Cyclin-Dependent Kinase Inhibitor on Oncogenesis of Triple Negative Breast Cancer Cells**

37) Simon S. Evers, PhD; **Iron Regulatory Pathways are the Basis for Bariatric Surgery Success**

38) Alexandra L. Thomas; **Pin1 Negatively Impacts Smad3 Tumor Suppression in Triple Negative Breast Cancer Cell Lines**

39) Sarah J. Harvin; **Morphometric Analysis and Comparison of Kidney Size in African American and Caucasians**

40) Megan C. Knol, MS; **Risk Factors and Clinical Consequences Associated with Pediatric Inferior Vena Cava Occlusion**

41) Calista Harbaugh, MD; **Beyond Traditional Growth Charts: A More Granular Understanding of Pediatric Growth through Analytic Morphomics**

42) Anna E. Boniakowski, MD; **Preoperative Cardiology Consultation prior to Elective Abdominal Aortic Aneurysm Repair on Patient Morbidity**

43) Meredith Barrett, MD; **Taking a Step Back: Assessing the Outcomes of Multiple Step Procedures**

44) Meredith Barrett, MD; **Financial Implications of Peritoneal Dialysis Catheter Removal at the Time of Kidney Transplantation**

45) Meredith Barrett, MD; **Sacral Nerve Stimulation: Preliminary Assessment of Outcomes in Constipation and Incontinence**

46) Priya Dedhia, MD, PhD; **Video Review as a Novel Tool to Identify Differing Perceptions of Operative Feedback**

47) Kendal A. Walker, BS; **Small Molecule Differentiation of Cardiomyocytes from Human Amniotic Fluid Cells: Potential Application in Prenatally Diagnosed Congenital Heart Disease**

48) Shawn Loder, BS; **Acute Immobilization Attenuates Post-Injury Inflammation via Stabilization of Neutrophil Extracellular Traps (NETs)**

49) Vladislav A. Dolgachev, PhD; **Electroporation-Mediated Delivery of the FER Gene in the Resolution of Trauma-Related Fatal Pneumonia**

50) Lin Lin, MD, PhD; **Modeling the Reconstitution of Integrin Ligands in Esophageal Adenocarcinoma PDX Mice for Investigation of Chemoresistance In Vivo**

51) Joshua L. Hudgens, MD; **Platelet-Rich Plasma Activates Pro-Inflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts**

52) Megan Coughlin, MD; **The Artificial Placenta Avoids Damage Caused by Mechanical Ventilation**
53) Todd Jaffe, BBA; From The Operative Field to The Film Room: Surgeons Encouraged by Video Review and Expert Coaching
54) Todd Jaffe, BBA; Driven to Innovate: Why Surgeons Learn New Procedures and Technologies
55) Andrew H. Carlone, BSE; Comparison of Two Electrode Muscle Stimulation Methods in a Rat Neoanal Sphincter Model
56) James Drake, BS; Loss of Type I BMP Receptor Activity Mediates Trauma-Induced Heterotopic Ossification
57) Ambreen Zaidi; Gene Signature Study of Obesity in Esophageal Adenocarcinoma
58) Maxim E. Shaydakov, MD; New Insight into Venous Valve Physiology: Gene Expression Analysis of Human Deep Veins
59) Henriette Frikke-Schmidt, PhD; Weight Independent Shifts in Adipose Tissue Immune Populations after Sleeve Gastrectomy in Mice.
60) Joshua M. Underhill, BS; Management of Line-Associated Upper Extremity Deep Vein Thromboses in Critically Ill Patients
61) Sreehari Panicker; Hypoxia-Inducible Factor (HIF)-1α is an Important Promoter of Inflammation and Injury Following Aspiration-Induced Lung Injury in Mice
62) Maya Deshmukh; Double-Stranded RNA Induced TLR-3 Activation Drives the Inflammatory Response in Bacterial Pneumonia
63) Andrew S. Kimball, MD; Epigenetically Altered TLR4 Expression May Contribute to Increased Inflammation and Impaired Wound Healing in Type 2 Diabetes
64) Joseph T. Church, MD; The Artificial Placenta: Does Lung Development Continue during Extracorporeal Support?
65) Joseph T. Church, MD; Normothermic Ex-Situ Heart Perfusion: Effects of Live Animal Plasma Cross-Circulation in 12-Hour Perfusion
66) Joseph T. Church, MD; Antegrade Continence Enemas Improve Quality of Life in Patients with Medically-Refractory Encopresis
67) Andrew M. Ibrahim, MD; Surgical Outcomes at Bariatric Centers of Excellence: Are They All Excellent?
68) Vahagn C. Nikolian, MD; Tubastatin-A Attenuates Hemorrhage Induced Endothelial Barrier Dysfunction
69) Vahagn C. Nikolian, MD; Inhibition of PAD4 Attenuates CitH3 Production and Mortality in a Rodent Model of Lethal Endotoxemia
70) Rishindra M. Reddy, MD; Increased Variance in Oral and Gastric Microbiome Flora Correlates with Post-Esophagectomy Anastomotic Leak
71) Chelsea R. Hutch, PhD; Contribution of OEA Pathways to The Metabolic Benefits of Vertical Sleeve Gastrectomy
72) Brendan T. Heiden, BS; 18F-FDG PET Intensity Correlates with a Hypoxic Gene Signature and other Oncogenic Abnormalities in Early-Stage Non-Small Cell Lung Cancer
73) Fares Alghanem, BS; Pediatric Artificial Lung: Effects on Right Ventricle Afterload in an Ovine Model of Pulmonary Hypertension
74) Dan Marcusa, BA; The Impact of Screening for Metabolic Syndrome on Living Kidney Donation
75) Christina M Lineback, BS; A Qualitative Analysis of Cancer Care Access Across Income Levels
76) Christopher Breuler, BS; Surgical Excision of Heterotopic Ossification Leads to Re-Emergence of Mesenchymal Stem Cells Responsible for Recurrence
77) Christopher P. Scally, MD, MS; Video Ratings of Surgical Skill and Late Outcomes of Bariatric Surgery
78) Irina Khurana, BS, BA; Adverse Events and Quality Control Measures in the Intra-Hospital Transfer of Pediatric Patients: A Systematic Review
79) Kavitha Ranganathan, MD; Can Patient-Reported Outcomes Measurement Information System Capture Health-Related Quality of Life Among Children with Cleft Lip and Palate?

80) Kavitha Ranganathan, MD; Restoration of Tissue Angiogenesis following Radiation Exposure Utilizing a Novel Angiogenic Nanotechnology

81) Stevie-Jay Stapler, BS; The Anatomy and Valve Function of Healthy Pediatric Patients

82) Stephanie Debolle, BS; Evaluation of the Effectiveness of Peripheral Vascular Disease Screening in Kidney Transplant Candidates

83) Russell E. Ettinger, MD; A Novel Implantable Angiogenic Nanotechnology Improves Bone Mineralization and Biomechanical Strength in Irradiated Fractures

84) Rebecca L. Goulson, BS; Reference Analytic Morphomics Population (RAMP): A Reference to Measure Occupant Variability for Crash Injury Analysis.

85) Daniela Bashllari, BS; MYCN Deregulation is a Critical Tumor Initiating Event During Human Neural Crest Stem Cell Development

86) Jenny L. Lazarus, MD; Interleukin-22 Protects Pancreatic Cancer Cells from Cisplatin-Induced Apoptosis

87) David Cholok, BS; Bone Morphogenetic Protein Signaling Mediates Muscle Fibrosis in a Mouse Model of Fibrodysplasia Ossificans Progressiva (FOP)

88) Alexandra Rzepecki, BS; Neuroimaging in Congenital Diaphragmatic Patients Requiring ECMO: Does it Predict Neurodevelopmental Outcome?

89) Arminder Kaura, BA; Global Government Reports of Breast Implant-Associated ALCL: An Analysis of United States MAUDE, Brazilian NOTIVISA, Canadian VAROD, Australian DAEN, Japan PMDA, and European National Competent Authorities Databases

90) Deanna M. Arble, PhD; Metabolic Effects of Vertical Sleeve Gastrectomy in Leptin Deficit Ob/Ob Mice

91) Amanda R. Phillips; Pediatric Renal Parenchymal Recovery Following Surgical Revascularization of Renovascular Hypertension

92) Brooklyn R. Fillinger, BS, BA; Risk of Prolonged Postoperative Opioid use Following Breast Reconstruction

93) Alicia Snider, MD; Investigation of the use of Bone Marrow Stem Cells to Facilitate Pathologic Fracture Healing of The Mandible after Irradiation

94) Andrea Obi, MD; Divergent Post Thrombotic Vein Wall Injury Responses in Experimental Deep Vein Thrombosis with Partial and Complete Stasis Mechanisms

95) Andrea Obi, MD; IL-6 Mediates Vein Wall Response to Thrombosis in Model Dependent Manner