



Department of Surgery
**Westchester
Medical Center**
Westchester Medical Center Health Network



NEW YORK MEDICAL COLLEGE

A MEMBER OF TOURO UNIVERSITY

School of Medicine

Department of Surgery



Department of Surgery Clinical Research Unit



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The Felicien Steichen Professor and Chairman
New York Medical College
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Westchester Medical Center

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Clinical Associate Professor of Surgery
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2022-2023 Academic Year Report

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Introduction

Letter from the Chairman/Director and Vice Chair for Research

During the academic year of 2022-2023, the Department of Surgery has continued to build on our outstanding clinical research infrastructure and productivity for our medical students, trainees and faculty. In a multidisciplinary fashion and in collaboration with various departments, our research portfolio continues to focus on a wide scope of cutting-edge topics.

The Clinical Research Unit of the Department of Surgery is comprised of highly skilled biostatisticians, research scientists, research fellows and coordinators who work cohesively as one team by meeting weekly with Departmental Leadership, guiding a monthly Departmental journal club, engaging students and trainees, and supporting faculty research initiatives.

With leadership and support from Westchester Medical Center and New York Medical College, our research program provides structured mentorship for medical students, residents, fellows and faculty. We provide the resources and expertise necessary to excel in multiple research domains. These efforts have resulted in student, trainee and faculty presentations at prestigious local, regional, national and international meetings and numerous publications in high-impact academic journals. The Department of Surgery has multiple active research studies that receive extramural funding and collaborate with other prestigious academic institutions. Our main objective for the upcoming years is to continue to grow the research portfolio in a manner that contributes to advancing patient care, and growing our institution's strong profile as a national leader in surgical research.

This report contains our achievements and ongoing research from the academic year of 2022-2023, and our commitment for the upcoming years. The works are organized chronologically as follows: overall review, peer reviewed papers, books, book chapters, abstracts/presentations and funding. Please note that one entry may appear in more than one place. The research portfolio contains the following general topics:

1. Trauma Surgery
2. Surgical Critical Care
3. Emergency General Surgery
4. Breast Surgery
5. Intra-Abdominal Transplantation
6. Cardiothoracic Surgery
7. Vascular Surgery
8. Surgical Oncology
9. Plastic and Reconstructive Surgery
10. Geriatric Surgery

We want to thank all faculty, residents, research fellows, medical students, and staff of the Clinical Research Unit for their dedication and hard work over the past year. We look forward to advancing research in all surgical disciplines and we believe that with ongoing dedication, Westchester Health Network and New York Medical College will continue to be leaders in academic surgery.

Steven Lansman MD, PhD
Professor and Chairman, Department of Surgery; New York Medical College
Director, Department of Surgery; Westchester Medical Center

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Clinical Research Unit

RESEARCH TEAM



Steven Lansman, MD, PhD
Director, Department of
Surgery



Kartik Prabhakaran, MD, FACS
Vice Chair of Research



David Samson, MS
Associate Director, Clinical
Research Unit



Anuritha Tirumani, MBBS
Associate Director, Clinical
Trials



Gabriel Rodriguez, PhD, MSPH
Research Scientist



Mikael Ebanks, MPH
Statistician



Christopher Hall, BBA
Clinical Research Coordinator



Falyn Katzman, MPH
Research Coordinator



Krist Nikolla, MPH
Administrator

INTERNATIONAL TRAUMA RESEARCH FELLOWSHIP PROGRAM

The International Trauma Research Fellowship provides an opportunity for qualified, highly motivated individuals to work intimately with nationally recognized academic surgeons at the Westchester Medical Center in Valhalla, NY. The goals of this program, in addition to conducting high-level clinical and basic science research, include establishing international relationships and opportunities for fellows to observe the trauma and acute care surgery systems in the United States so that they can share their experience with their home countries. The mentors have a track record of running numerous international trauma research fellowships to support success and positive outcome of the fellows' time spent.

Current Fellow



Aryan Rafieezadeh, MD
Trauma Research Scholar
2023-2025

Upcoming Fellow



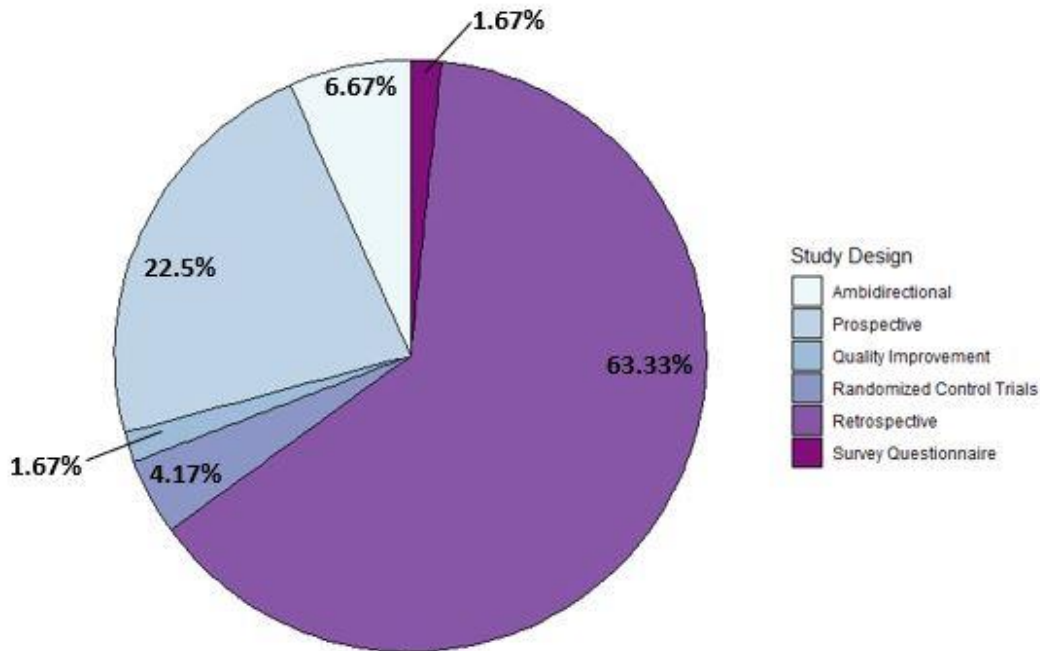
Anna Mary Jose, MBBS
Trauma Research Scholar
2023-2025

Research Overview

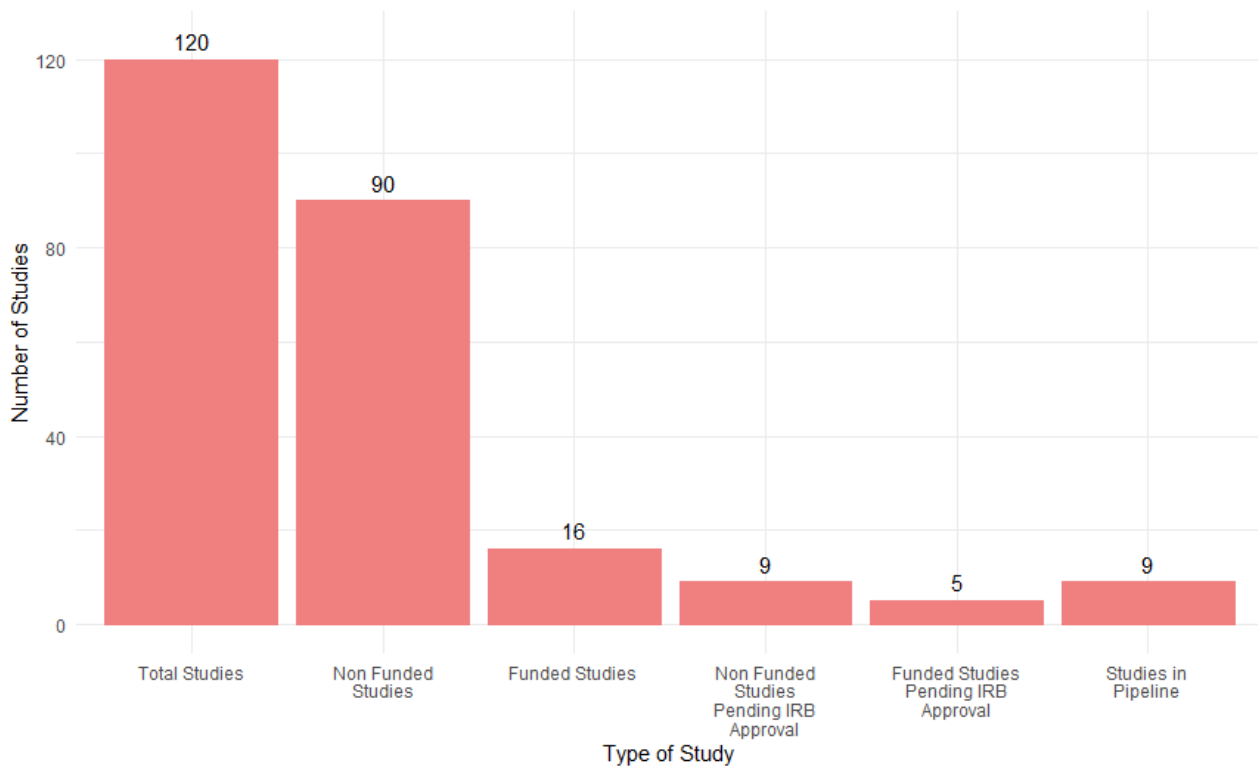
RESEARCH OVERVIEW

Our research portfolio is robust and growing. We currently have multiple surgical divisions participating in research. These divisions include the following: Breast Surgery, General Surgery, Vascular and Endovascular Surgery, Colorectal Surgery, Plastic Surgery, Pediatric Surgery, Transplant Surgery, Surgical Oncology, Trauma and Acute Care Surgery, Thoracic Surgery, Burn Surgery, Cardiothoracic Surgery, and Bariatric and Minimally Invasive Surgery. Not only do our Attendings participate in research, but also our residents, fellows and medical students. Our research projects range from systematic reviews to randomized controlled trials to follow-up studies, and retrospective cohorts and cross-sectional studies.

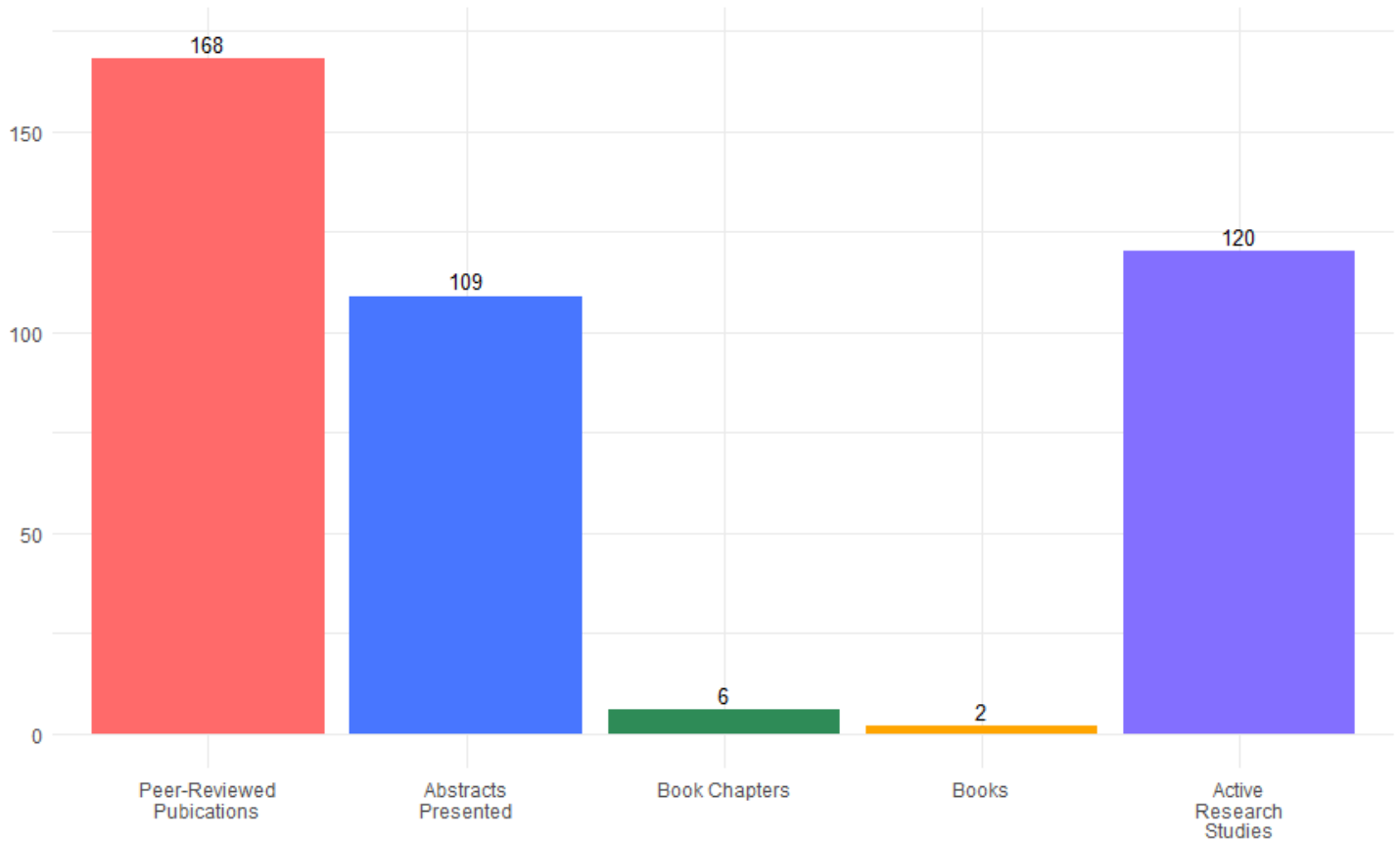
Breakdown of Department of Surgery Research by Study Design



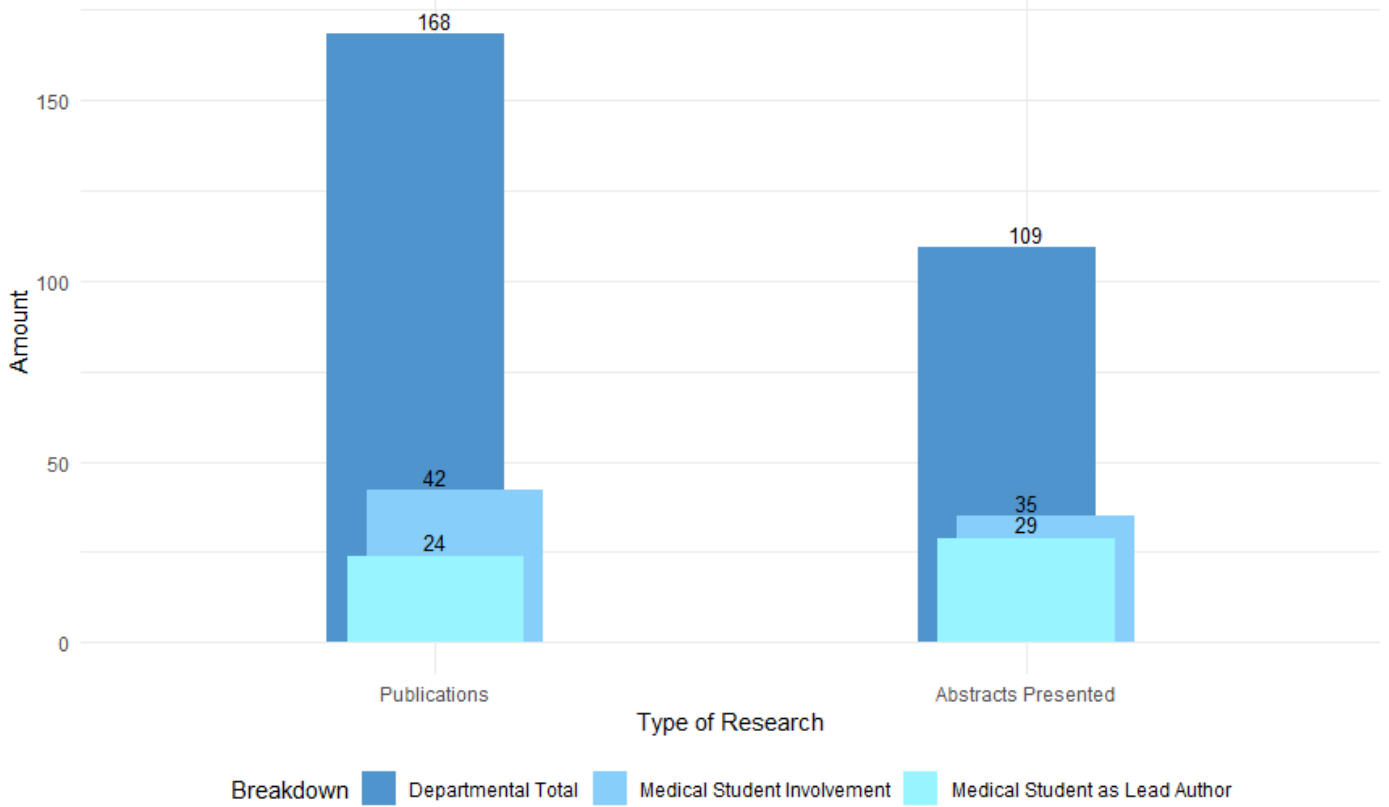
2022-2023 Research Overview



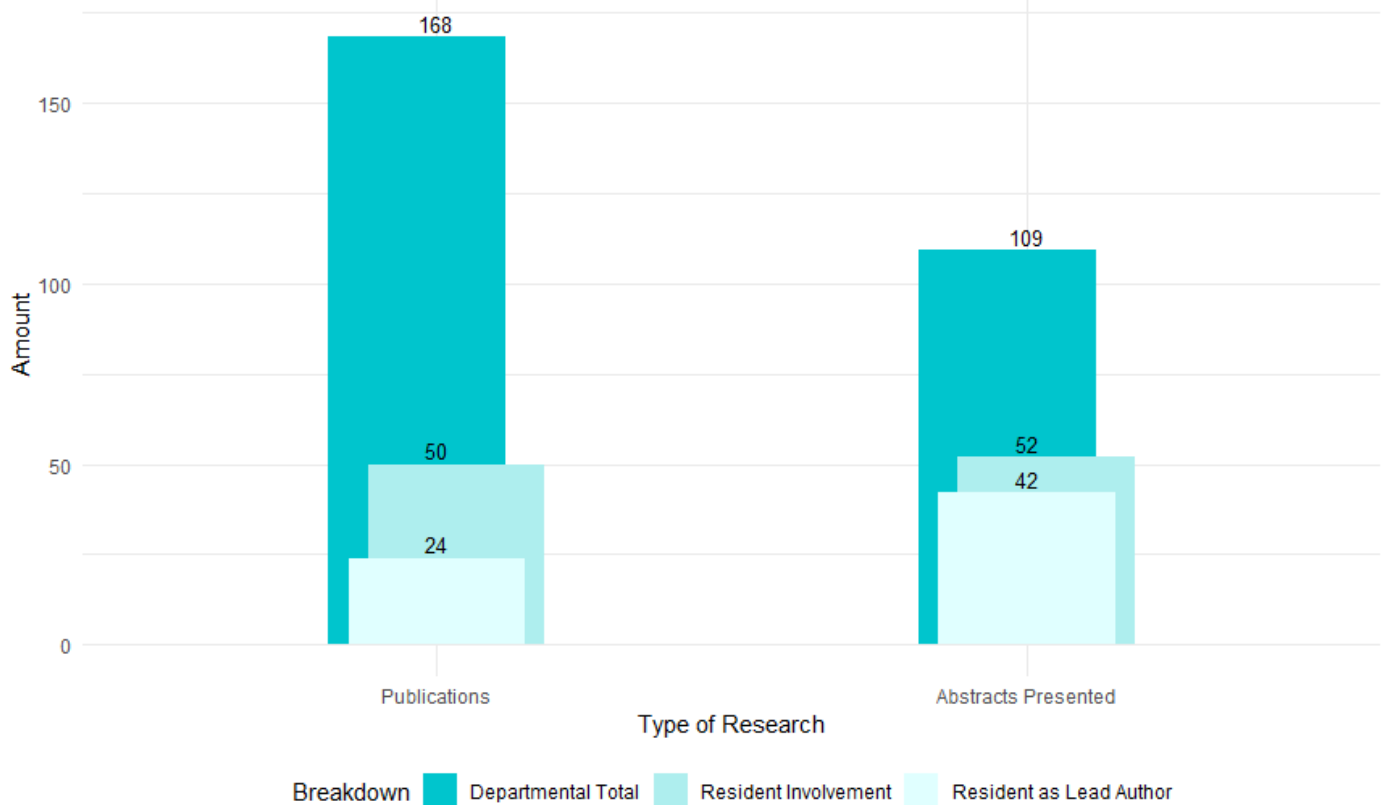
2022-2023 Overall Research Productivity



2022-2023 Medical Student Involvement



2022-2023 Resident Involvement



Ongoing Research Projects

ONGOING RESEARCH PROJECTS WITH PRINCIPAL INVESTIGATOR

Primary Investigator	Study Title	Type of Study	Starting Date
Ziad Abouezzi	Robotic Inguinal Hernia Repair and Outcome Analysis	Retrospective	10/1/2020
Marc Arkovitz	The use of navigational bronchoscopy and tattoo for lung nodule biopsy in the pediatric population	Retrospective	5/12/2020
Roberto Bergamaschi	Prevention and treatment of parastomal hernia	Retrospective	11/30/2020
Roberto Bergamaschi	Multi-center, non-randomized prospective observational study comparing Ferguson hemorrhoidectomy and Transanal Hemorrhoidal Dearterialization (THD) for Prolapsed, Nonincarcerated, Reducible Hemorrhoids In Terms of 1 year Recurrence	Non-randomized, prospective observational	5/1/2020
Roberto Bergamaschi	Optimal Approach and Technique for Right Colon Resection	Retrospective	4/22/2020
Roberto Bergamaschi	Outcomes of open and minimally invasive surgery in patients with rectal cancer	Retrospective	7/16/2019
Matthew Bronstein	Profiling of plasma before and after anticoagulant therapy in patients diagnosed with Venous Thromboembolism (VTE)	Prospective Cohort	<i>Pending</i>
Matthew Bronstein	Long term patient reported outcomes following Complex abdominal wall reconstruction with Strattice. A prospective observational study	Prospective Observational	3/8/2021
Maria Castaldi	Axillary Lymphadenopathy Following COVID-19 Vaccination	Retrospective	2/22/2022
Maria Castaldi	Clinical Utility Study of a Low-Cost Hand-Held Breast Scanner	Prospective	5/14/2021
Maria Castaldi	Frailty and Metastatic Breast Cancer – A Pilot Study	Prospective Observational	8/31/2020
Maria Castaldi	Receptor Status in Breast Cancer	Retrospective	7/8/2020
Maria Castaldi	Breast Screening and Barriers to Care	Retrospective	5/6/2020
Maria Castaldi	Assessing the Relationship between Obstructive Sleep Apnea and Breast Cancer Outcomes	Retrospective	3/29/2019
Heepeel Chang	Perioperative Impact of Preoperative Anemia in Patients Undergoing Transcarotid Artery Revascularization	Retrospective	12/6/2022
Heepeel Chang	Evaluation of Safety of Intraoperative Infusion of Dextran after Carotid Endarterectomy	Retrospective	12/9/2022
Heepeel Chang	Evaluation of Efficacy and Safety of Peripheral Intravascular Lithotripsy in Treatment of Chronic Limb-threatening Ischemia	Retrospective	9/6/2022
Heepeel Chang	Evaluation of Outcomes of Functional Renal Transplant Patients Undergoing Elective Endovascular Repair of Abdominal Aortic Aneurysm	Retrospective	1/9/2023

Heepeel Chang	Evaluation of Risks and Complications of Extracorporeal Membrane Oxygenation in Patients with Coronavirus 2019	Retrospective	2/17/2023
Heepeel Chang	Evaluation of Outcomes of Functional Renal Transplant Patients Undergoing Elective Thoracic Endovascular Aortic Repair	Retrospective	2/8/2023
Heepeel Chang	Evaluation of the Clinical Significance of Temporal Artery Biopsy	Retrospective	3/13/2023
Heepeel Chang	The Impact of Renal Impairment on Lower Extremity Bypass Outcomes in Patients with Critical Limb Ischemia- A Propensity Score Matching Analysis	Retrospective	3/22/2023
Heepeel Chang	Impact of Preoperative Independent Ambulatory Capacity on Outcomes after Endovascular Abdominal Aortic Aneurysm Repair	Retrospective	3/22/2023
Heepeel Chang	Outcomes of Patients with First-degree Familial History of Abdominal Aortic Aneurysm Following Endovascular Abdominal Aortic Aneurysm Repair	Retrospective	6/21/2023
Heepeel Chang	Outcomes of Endovascular Abdominal Aortic Aneurysm Repair in Patients with Connective Tissue Disorder	Retrospective	6/21/2023
Heepeel Chang	Evaluation of Factors Associated with Unplanned Perioperative Reoperation after Carotid Endarterectomy	Retrospective	5/27/2023
Heepeel Chang	Outcomes of Endovascular Treatment of Traumatic Carotid Injury	Retrospective	<i>Pending</i>
Jorge Con	Study is to compare the efficacy of stop the bleed course with a live instructor with that of instructional stop the bleed brochure	Prospective Randomized Control Trial	9/24/2021
Jorge Con	Education Culture Optimization through targeted interventions based on National comparative Data (SECOND) Trial	Quality Improvement	10/23/2019
Thomas Diflo	APOL-1 Long-term Kidney Transplantation Outcomes Network (APOLLO)	Prospective	2/10/2022
Thomas Diflo	Evaluation of Patient Outcomes from the Kidney Allograft Outcomes AlloSure Registry (KOAR)	Prospective Observational	1/21/2021
Thomas Diflo	The PROspera Kidney Transplant ACTIVE Rejection Assessment registry (ProActive) study	Prospective Observational	4/27/2020
Thomas Diflo	Nationwide Outcome Analysis of Incisional Hernia Repair in Post-Solid Organ Transplant Recipients	Retrospective	1/22/2020
Joshua Goldberg	Analysis of Patients with Massive or Submassive Pulmonary Embolism	Prospective and Retrospective	10/3/2017
Arun Goyal	Comparing Venous Reflux in reverse Trendelenburg Position to Standing Position using Duplex Scan	Prospective	2/23/2021
Arun Goyal	Bleeding and Thrombotic Complications of Endovenous Radiofrequency Ablation with or without Phlebectomy	Retrospective	<i>Pending</i>

Christa Grant	APSA Early Career Surgeon Survey	Survey Questionnaire	1/23/2023
Christa Grant	Pediatric Solid Organ Injury Management	Quality Improvement	3/22/2023
Christa Grant	Current Patterns of use of Percutaneous Ablation in Institutions Treating Children's Malignancy in Palliative or Surgically Unresectable Tumor Settings	Retrospective	11/29/2022
Christa Grant	Site of Relapse in Children with Ewing Sarcoma with Pleural and Pulmonary Metastatic Disease	Retrospective	11/29/2022
Christa Grant	Association of Perioperative Transfusion with Short and Long-Term Outcomes Following Pediatric Solid Tumor Resection	Retrospective	12/1/2022
Christa Grant	Access to Pediatric Surgical Oncology Care in Low and Middle Income Countries- A Survey Study	Survey Questionnaire	1/20/2023
Christa Grant	Outcomes of Pediatric Patients with Neuroblastoma: A Pediatric Surgical Oncology Research Collaborative Study	Retrospective	3/16/2023
Christa Grant	Rare Pediatric Renal Tumors: A Multi-Institutional Retrospective Review by the PSORC Consortium	Retrospective	5/3/2023
Jordan Kirsch	Hemorrhage Control Interventions in Pelvic Fractures Study (HIPS)	Retrospective and Prospective Chart Review	11/25/2022
Jordan Kirsch	A Multi-Institutional, Retrospective Review for Validation of the Cirrhosis Outcomes Score in Trauma (COST)	Retrospective	6/16/2023
Jordan Kirsch	Is the Untreatable Now Treatable? An Analysis of AIS-6 Survivors	Retrospective	6/23/2023
Jeontaik Kwon	Evaluation of a Closed Incision Negative Pressure Device (PREVENA) to Prevent Major Amputation Wound Complications	Prospective Observational	12/20/2019
Igor Laskowski	Comparing Knowledge and Interest in Vascular Surgery by First and Second-year Medical Students Before and After Lecture by Vascular Surgery Program Director	Prospective Multi-Center	7/15/2021
Igor Laskowski	20 hydroxyeicosatetraenoic acid (20-HETE) as a biomarker in Acute Aortic Syndrome	Prospective	7/6/2021
Igor Laskowski	Microbial Profiling in Atherosclerosis	Prospective	2/23/2021
Igor Laskowski	Outcomes of management of short neck infra-renal abdominal aortic aneurysms with fenestrated ZFEN stents	Retrospective	9/9/2019
Igor Laskowski	Phase ½, Open Label & Double Blind Randomized Placebo-Controlled Study to Assess the Feasibility of BGC101 (EnEPC) in the Treatment of Peripheral Arterial Disease (PAD) with Critical Limb Ischemia (CLI)	Prospective	6/15/2023
Igor Laskowski	Medtronic EndurAnt Stent Graft System vs ExcluDer Endoprosthesis: A Global, Prospective, Randomized Clinical Trial in Sac Regression (ADVANCE Study)	Prospective	<i>Pending</i>

Anthony Maffei	Prospective randomized comparative study to learn if lean muscle catabolism be prevented in bariatric patients by the use of Hormone Replacement Therapy (HRT) vs patients receiving Standard of Care (SOC) and how does bariatric surgery with/without HRT impact DNA methylation-based biomarkers for aging	Randomized Controlled Trial	12/28/2020
Romeo Mateo	Limb Salvage Using Cadaveric Vein Graft: A Single Center Experience	Retrospective	3/18/2022
Romeo Mateo	Post-Market Registry in Europe and US for the use of VascuCel	Prospective	<i>Pending</i>
Seigo Nishida	The Pathological Analysis of Patients with Liver Disease	Retrospective	1/28/2022
Seigo Nishida	Molecular Assessment and Profiling of Liver Transplant Patients: The Maple Study	Prospective	12/2/2021
Seigo Nishida	Development of a New Quantitative Description Tool for Assessment of the Donor Liver Quality using Artificial Intelligence Technology	Retrospective	12/1/2021
Seigo Nishida	The Liver transplant outcome research in patients with alcohol related liver disease	Retrospective	11/23/2020
Seigo Nishida	Liver Transplantation Outcomes after Normothermic Regional Perfusion or Machine Perfusion of Liver	Retrospective	<i>Pending</i>
Suguru Ohira	Multi-Center Analysis of Patients with Ischemic Ventricular Septal Defect who Require Veno-Arterial Extracorporeal Membrane Oxygenation Support	Retrospective	6/2/2023
Suguru Ohira	OCS Heart Perfusion Post-Approval Registry	Prospective Observational	12/1/2021
Suguru Ohira	Analysis of Heart Transplant Outcomes in the United States Using the United Network for Organ Sharing (UNOS) Database	Retrospective and Prospective	11/1/2021
Suguru Ohira	Analysis of Patients with Heart Failure who Require Implantation of LVAD	Retrospective and Prospective	1/27/2021
Suguru Ohira	Analysis of Patients with Acute Heart Failure who Require LVAD Support	Retrospective Chart Review and Prospective Data Collection	10/30/2020
Suguru Ohira	Post Surveillance Registry	Prospective Observational	7/22/2020
Suguru Ohira	Analysis of Patients with Acute Heart Failure who Require Extracorporeal Membrane Oxygenation (ECMO) Support	Retrospective Chart Review and Prospective Data Collection	11/11/2019

Helen Perakis	Randomized, Controlled, Open-Label, Parallel Group, Multi-Center, Prospective Phase 4 Study Comparing the Efficacy of Transforming Powder Dressing to NPIAP Recommended Standard of Care Therapies in Stage 2, 3, and 4 Pressure Injuries	Prospective	<i>Pending</i>
Kartik Prabhakaran	Outcomes after rib fractures in geriatric trauma patients	Retrospective	7/18/2019
Kartik Prabhakaran	Reducing Fall Recurrence in Geriatric Trauma Patients	Prospective	7/8/2021
Kartik Prabhakaran	Factors Predicting Survival Amongst Elderly Trauma Patients with Traumatic Brain Injury Undergoing Craniotomy: A Retrospective Analysis	Retrospective	9/30/2020
Kartik Prabhakaran	Comparison of sample characteristics between the subjects who received Strattice™ mesh for abdominal wall reconstruction at Westchester Medical Center vs Americas Hernia Society Quality Collaborative (AHSQC) registry dataset	Retrospective	7/27/2020
Kartik Prabhakaran	A Prospective, Randomized, Controlled study to evaluate the efficacy of applying Prevena Plus to closed surgical incision in patients undergoing Complex Abdominal Wall Reconstruction with/without biologic mesh and other major laparotomy procedures vs Standard of Care surgical incision dressing in preventing surgical site infection	Randomized Controlled Trial	7/9/2020
Kartik Prabhakaran	Clinical Progression and Risk Factors of Critically Ill COVID-19 patients in the New York Region	Retrospective	4/28/2020
Kartik Prabhakaran	A clinical utility analysis of CT angiogram for traumatic cervical spine fractures: Experience of a Level I trauma center	Retrospective	1/7/2020
Kartik Prabhakaran	Suicide and the Geriatric Trauma Patient: Predictors and Outcomes at a Level I trauma center	Retrospective	7/18/2019
Kartik Prabhakaran	A Phase 3, Prospective, Randomized, Open-label, Adaptive Group Sequential, Multicenter Trial with Blinded Endpoint Assessment to Evaluate the Efficacy and Safety of PROTHROMPLEX TOTAL for the Reversal of Direct Oral Factor Za Inhibitor-induced Anticoagulation in Patients Requiring Urgent Surgery/Invasive Procedure	Prospective Randomized Control Trial	5/23/2023
Ilya Shnaydman	Characterization of Rotational Thromboelastometry in Traumatic Intracranial Hemorrhage Reversed with Four-Factor Prothrombin Complex Concentrate	Prospective	<i>Pending</i>
Ilya Shnaydman	Evaluation of Colloids in Traumatic Brain Injury Patients	Retrospective	3/4/2022
Ilya Shnaydman	Parenteral Nutrition in the Modern Surgical Era	Retrospective	11/1/2021
Ilya Shnaydman	Outcomes of Early Initiation of Venous Thromboembolism Prophylaxis in Isolated Traumatic Brain Injuries	Retrospective	8/2/2021
Ilya Shnaydman	Predictive Markers of Small and Large Bowel Injury from Blunt Trauma	Retrospective	7/15/2021

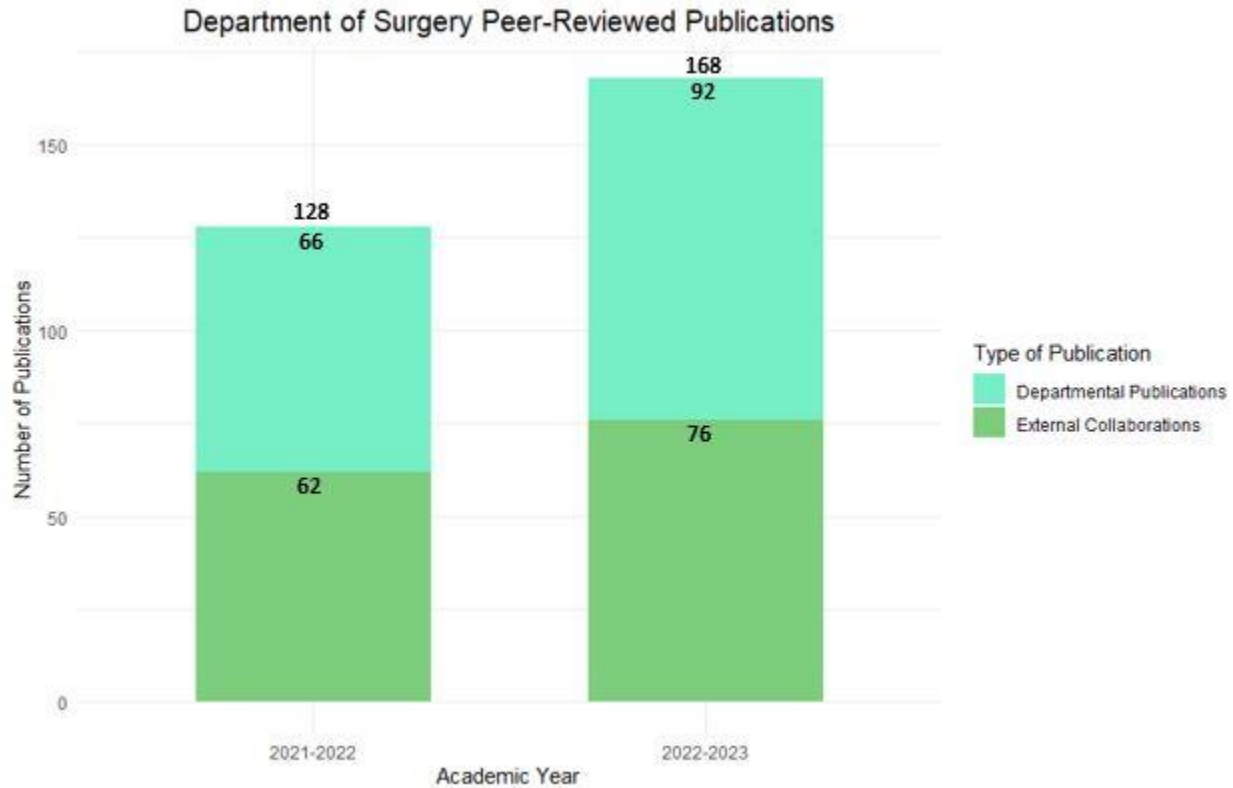
Ilya Shnaydman	Implementation of Brain Injury Guidelines for Management of Traumatic Brain Injury at a Level 1 Trauma Center: a Retrospective Study	Retrospective	3/1/2021
Ilya Shnaydman	A Predictive Index of Recurrent Life Altering Falls on Anticoagulants and Antiplatelet Drugs	Retrospective	6/18/2023
Abbas Smiley	Mortality and morbidity and the associated factors for various diseases included in National Inpatient Sample database	Retrospective	7/27/2020
Abbas Smiley	Estimating the Outcomes and Predictors of Mortality in Emergency General Surgery in Geriatric Population from Nationwide Inpatient Sample (NIS) Database	Retrospective	4/11/2019
Hiroshi Sogawa	Trend of Liver transplant etiology and outcomes in the United States	Retrospective	4/1/2021
Hiroshi Sogawa	Is Compensation Prediction Score Useful in the US?	Retrospective	12/3/2020
Hiroshi Sogawa	Should we do simultaneous kidney transplant for liver transplant recipients?	Retrospective	10/30/2020
Hiroshi Sogawa	Practice patterns and outcomes for pediatric ANCA vasculitis transplant recipients in a national cohort	Retrospective	10/9/2020
Hiroshi Sogawa	Nationwide Outcome Analysis of Effects of Organ Transplant Status for Admitted Trauma Patients	Retrospective	4/22/2020
Hiroshi Sogawa	Donor Risk Index for Intestinal & Multivisceral Transplantation	Retrospective	12/19/2022
Hiroshi Sogawa	Intent-to-Treat Analysis of Liver Transplant (Living Donor vs Deceased Donor) for Hepatocellular Carcinoma in the United States	Retrospective	<i>Pending</i>
David Spielvogel	Analysis of Natural History of Small Thoracic Aortic Aneurysm Patients	Retrospective Chart Review and Prospective Data Collection	8/24/2020
David Spielvogel	Analysis of Clinical Outcomes of Aortic Aneurysm Surgery	Retrospective Chart Review and Prospective Data Collection	7/31/2020
David Spielvogel	Interagency Registry for Mechanically Assisted Circulatory Support	Prospective Observational	6/12/2006
Dylan Stewart	Risk Factors for Pediatric Traumatic Injury and Implementation of Trauma Prevention Measures in the Orthodox Jewish Community	Retrospective	1/9/2023
Joseph Turkowski	Prospective Randomized Open Label Multicenter Phase IV Clinical Trial to Compare Transforming Powder Dressing (TPD) to Current Standard of Care (SOC) Dressing Therapies in Acute Partial Thickness Burn Wounds	Prospective	<i>Pending</i>

Gregory Veillette	Translational Medicine: Discovery and Evaluation of Biomarkers/Pharmacogenomics for the Diagnosis and Personalized Management of Patients	Prospective Observational	11/14/2019
Gregory Veillette	The Utility of Routine Computed Tomography in the Evaluation of Potential Renal Transplant Recipient	Retrospective	8/28/2020
Gregory Veillette	Review of Outcomes in Patients with Cirrhosis Undergoing General Surgery	Retrospective	7/19/2017
Gregory Veillette	Evaluation of Immunological Responses Against Hepatocellular Carcinoma (HCC) Tumors	Prospective	7/24/2022
Tracey Weigel	Comparison of analgesic efficacy between Intercostal Nerve Blocks with Liposomal Bupivacaine and Thoracic Paravertebral Nerve Block for Video Assisted Thoracic Surgery, a Prospective Randomized Clinical Trial	Randomized Controlled Trial	9/14/2020
Francis Winski	The Acute Burn Resuscitation Multicenter Prospective Trial- 2 (ABRUPT 2)	Prospective Multi-Center	10/20/2021
Francis Winski	A Retrospective Analysis of Outcomes of Patients with Sternal Wound Dehiscence after Cardiothoracic Surgery at Westchester Medical Center	Retrospective	12/28/2020
Bardiya Zangbar	Intracranial Pressure Monitoring in Trauma Patients from TQIP Database	Retrospective	5/12/2023
Bardiya Zangbar	Alcohol, Drug Abuse and Trauma: The Association of Intoxication on ICU Admissions and Complications	Retrospective	5/16/2023
Bardiya Zangbar	Geriatric Trauma, the Roles of Obesity and Anticoagulant Use and Relation with Brain Injury	Retrospective	6/21/2023
Bardiya Zangbar	Trends of Trauma Admissions to ICU During Pandemic: A Time Series Analysis	Retrospective	5/27/2023
Bardiya Zangbar	Predictors of Survival after Craniotomy in Geriatric Patients with Traumatic Brain Injury	Retrospective	5/31/2023
Bardiya Zangbar	Racial Disparity in EMS Response Time: Scope and Run or Stay and Play?	Retrospective	6/21/2023
Bardiya Zangbar	Hypothermia on Admission Predicts Poor Outcomes in Adult Trauma Patients	Retrospective	<i>Pending</i>
Bardiya Zangbar	Social and Racial Disparity Impacts Victims of Physical Abuse Among Trauma Patients in the United States	Retrospective	<i>Pending</i>
Bardiya Zangbar	Trauma Outcome and Injury Distribution in Children and Adults with Protective Devices	Retrospective	<i>Pending</i>
Bardiya Zangbar	A National Trend Towards Surgical Stabilization of Rib Fixation: Indications, Approaches and Disparities	Retrospective	<i>Pending</i>
Elizabeth Zellner	Contrasting Facial Fracture Patterns in Sober and Alcohol Intoxicated Patients	Retrospective	11/30/2020
Elizabeth Zellner	Cleft Lip Rhinoplasty	Retrospective	11/11/2020
Elizabeth Zellner	Facial Fractures, Characteristics and Patterns in the United States: A Survey of Recent Trauma Quality Improvement Project (TQIP) Data	Retrospective	9/12/2019

Peer-Reviewed Publications

PEER-REVIEWED PUBLICATIONS

Each year, research within the Department of Surgery has increased substantially than the previous year. Growth in the number of publications has been exponential, indicating that the atmosphere within the Department of Surgery has been synergistic. Interaction within the department has produced results greater than the sum of individual contributions. Nothing is more evident of this progress than the number of peer-reviewed publications. Our students, residents, fellows, and attendings have contributed to topics ranging from nutrition to trauma.



1. Ciaraglia A, **Lascano D**, Safaya A, **Azim A**, Pee S, **Malcom R**, **Prabhakaran K**, Lombardo G. Antiphospholipid Syndrome Presenting With Severe Tissue Inflammation Requiring Surgical Exploration. *Am Surg*. 2023;89(6):2800-2802. doi:10.1177/00031348211054557[§]
2. **Okumura K**, **Baum J**, **Mateo R**, **Shnaydman I**. Carotid-Subclavian Bypass to Treat Carotid Dissection From Blunt Cerebrovascular Injury Without Traumatic Brain Injury or Cervical Spine Fracture. *Am Surg*. 2023;89(6):2827-2829. doi:10.1177/00031348211058612*[§]
3. Kapur R, **Okumura K**, Feola N, Keller M, **Dhand A**. Outcomes of Bebtelovimab Therapy in Patients With Solid Organ Transplantation With Mild and Moderate COVID-19. *Cureus*. 2023;15(5):e38867. Published 2023 May 11. doi:10.7759/cureus.38867[§]
4. Jyothula SSSK, Patel J, **Dhand A**. Successful bilateral lung transplantation from a recent SARS-CoV-2 PCR positive donor. *Transpl Infect Dis*. 2023;25(3):e14031. doi:10.1111/tid.14031
5. Ahmed FA, Khan SA, Hafeez MS, **Jehan FS**, Aziz H. Outcomes in elderly patients undergoing hepatic resection compared to ablative therapy for hepatocellular carcinoma [published online ahead of print, 2023 Jun 8]. *J Surg Oncol*. 2023;10.1002/jso.27369. doi:10.1002/jso.27369[§]
6. Song C, **Jehan FS**, Reed AI, Aziz H. Loss of independence after pancreatic surgery. *Am J Surg*. 2023;225(5):943-944. doi:10.1016/j.amjsurg.2023.02.001[§]
7. **Lascano D**, Zamora AK, Mahdi E, et al. Gabapentin is Associated With Decreased Postoperative Opioid Use and Length of Stay After Appendectomy in Children With Perforated Appendicitis: A Propensity Score-Matched Analysis [published online ahead of print, 2023 Mar 16]. *J Pediatr Surg*. 2023;S0022-3468(23)00195-1. doi:10.1016/j.jpedsurg.2023.03.009[§]

8. **Hanna K**, Chehab M, Bible L, et al. Failure to Rescue in Emergency General Surgery: Impact of Fragmentation of Care. *Ann Surg.* 2023;277(1):93-100. doi:10.1097/SLA.0000000000004628⁵
9. **Shnaydman I**, Ferrantella A, Kaufman J. Appendicostomy for Removal of Foreign Bodies of the Small Bowel. *Am Surg.* 2023;89(4):1160-1161. doi:10.1177/0003134820972991
10. **Said SM**, Ricciardi G, Smith BJ, Sainathan S, Narasimhan SL. Repair of Partial Anomalous Pulmonary Venous Connection to the Azygous Vein via Right Thoracotomy. *World J Pediatr Congenit Heart Surg.* 2023;14(2):227-230. doi:10.1177/21501351221145175
11. **Said SM**. Inspiris Resilia Early Failure in the Pulmonary Position: Is It the Technique or the Valve? [published online ahead of print, 2023 Mar 8]. *Ann Thorac Surg.* 2023;S0003-4975(23)00252-7. doi:10.1016/j.athoracsur.2023.02.051
12. Mashadi AH, Alsamman BM, Abdelwahab MM, **Said SM**. The Mashadi-Narasimhan-Said Classification for Cor Triatriatum Sinister: Applicable to All. *J Chest Surg.* 2023;56(2):151-153. doi:10.5090/jcs.22.149
13. Marey GM, Estafanos M, Salhab KF, **Said SM**. Valve-sparing aortic root replacement after previous Ross procedure: two different surgical strategies. *Ann Cardiothorac Surg.* 2023;12(3):282-284. doi:10.21037/acs-2022-avs1-11
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* Represents peer-reviewed publications including medical students. Of the department's 168 publications this year, 42 included medical students. Of these, medical students were the first author of 24.

[§] Represents peer-reviewed publications including residents. Of the department's 168 publications this year, 50 included residents. Of these, residents were the first author of 24.

Abstracts and Presentations

ABSTRACTS & PRESENTATIONS

LOCAL

Louis R.M. Del Guercio Research Day– May 24, 2023, Valhalla, NY

1. Heart Transplant in Patients with Elevated MELD-XI Score Using Hepatitis C Virus Infected Donor
 - **Hirani R, Okumura K, Isath A, Dhand A, Lanier G, Levine A, Pan S, Aggarwal-Gupta C, Gass A, Spielvogel D, Kai M, Ohira S[§]***
2. Is the Untreatable Now Treatable? An Analysis of AIS-6 (Abbreviated Injury Scale) Survivors
 - **Lemma M, Kirsch J, Prabhakaran K, Rafieezadeh A, Shnaydman I, Klein J, Bronstein M, Con J, Policastro AJ, Zangbar B[§]**
3. Poor Socioeconomic Status is Associated with Delayed Femoral Fracture Fixation in Adolescent Patients
 - **Vazquez S, Dominguez JF, Jacoby M, Rahimi M, Grant C, DelBello D, Salik I- best moderated poster***
4. Trends and Disparities in Access to Minimally Invasive Distal Pancreatectomy (MIDP): An Eight-Year Analysis from the National Cancer Database
 - **Jehan F, Misawa R, Neuwirth M, Veillette G- best moderated poster[§]**
5. Non-operative Management of Cirrhotic Patients with Acute Calculous Cholecystitis: How Effective is it?
 - **Hanna K, Shnaydman I, Kirsch J, Bronstein M, Prabhakaran K, Klein J, Zangbar B, Con J[§]**
6. Impaired Preoperative Ambulatory Status in Patients Undergoing Elective Endovascular Aortic Aneurysm Repair is Associated with Increased Mortality
 - **Lui A, Laskowski I, Veith F, Garg K, Patel V, Mateo R, Babu S, Xu ML, Chang H***
7. How Does Drug Abuse Affect Outcomes after Trauma in Intensive Care Unit Patients? A Trauma Quality Improvement Program Study
 - **Rafieezadeh A, Prabhakaran K, Kirsch J, Klein J, Shnaydman I, Bronstein M, Con J, Policastro AJ, Zangbar B**
8. Obesity and Hypercoagulable State in Geriatric Trauma
 - **Lin N, Prabhakaran K, Zangbar B, Rafieezadeh A, Kirsch J, Shnaydman I, Klein J, Bronstein M, Con J, Policastro AJ[§]**
9. Preoperative Anemia is not Associated with Major Perioperative Adverse Events but Increased Length of Postoperative Stay in Patients Undergoing Transcarotid Artery Revascularization
 - **Hossain N, Moore JM, Laskowski I, Mateo R, Babu S, Goyal A, Ventarola D, Chang H***
10. Renal Transplant Recipients Undergoing Endovascular Abdominal Aortic Aneurysm Repair have Increased Risk of Perioperative Acute Kidney Injury but no Difference in Late Mortality
 - **Zeeshan M, Mateo R, Laskowski I, Babu S, Ventarola D, Goyal A, Chang H[§]**
11. Ex-vivo Heart Perfusion Using Organ Care System for Cardiac Transplantation: A Single Center Experience in the United States
 - **Gregory VA, Isath A, Levine A, Pan A, Aggarwal-Gupta C, Lanier G, Wolfe K, Spielvogel D, Gass A, Ohira S, Kai M- best clinical research paper***
12. Machine Perfusion Protects Against Mortality and Graft Failure in Donation After Cardiac Death Liver Transplant Recipient in the United States
 - **Okumura K, Misawa R, Dhand A, Sogawa H, Veillette G, Nishida S- best clinical research paper[§]**
13. The Impact of Renal Impairment on Lower Extremity Bypass Outcomes in Patients with Critical Limb Ischemia- A Propensity Score Matching Analysis
 - **Lui A, Garg K, Laskowski I, Maldonado T, Mateo R, Babu S, Goyal A, Ventarola D, Chang H***
14. Long-term Nationwide Outcomes of Solid Organ Transplantation from COVID Positive Donors in the United States
 - **Okumura K, Misawa R, Sogawa H, Veillette G, John D, Diflo T, Nishida S, Dhand A[§]**

15. Long-term Follow up of Solid Organ Transplantation Using Hepatitis C Virus Positive Donor for Hepatitis C Virus Negative Recipients
 - **Wilson A, Sogawa H, Lee I, Nishida S, Misawa R, Veillette G, John D, Diflo T, Ohira S, Spielvogel D, Bodin R, Wolf D, Dhand A- best clinical research paper[§]**
16. Fat Grafting for Temporal Hollowing Augmentation Following Craniectomy
 - **Arbuiso S, Choe J, Graifman G, Ritter E, Zellner E***
17. Impact of Primary and Intermediate Rhinoplasty on Nasal Growth Restriction in Pediatric Patients with Cleft Lip and Palate Nasal Deformity
 - **Arbuiso S, Choe J, Vicente K, Robbins T, Graifman G, Ritter E, Zellner E***
18. Hypoxia and Breast Cancer Progression: A SEER-Medicare Analysis
 - **Petrucci C, Stadlan Z, Parsikia A, Smiley A, Pranevicius M, Castaldi MT- best poster***
19. Common Bile Duct Transection Following Blunt Abdominal Trauma: A Case Report
 - **Briskin C, Choi J, Zeeshan M, Veillette G, Shnaydman I*[§]**
20. Outcomes of Emergently Admitted Patients with Intestinal Fistula, Ulceration, Perforation, Angiodysplasia, and Dieulafoy Lesion: Frailty, Age, Time to Operation, and Hospital Length of Stay as Mortality Risk Factors
 - **Elgar G, Smiley A, Barris B, Latifi R***
21. Pancreatic Transplantation Causing Aortic Pseudoaneurysm with Massive GI Bleeding: Case Report and Review of Literature
 - **Iqbal A, Li Xu M, Babu SC, Laskowski I, Veillette G, Goyal A***
22. Cannulation Related Complications of Femoral VA-ECMO Support in Heart Transplantation: Role of Sartorius Muscle Flap
 - **Gregory V, Rashid D, Isath A, Laskowski I, Mateo R, Babu S, Levine A, Pan S, Dhand A, Gass A, Spielvogel D, Kai M, Ohira S***
23. High Area Deprivation Index is Associated with Discharge to Foster Care in Suspected Non-accidental Trauma
 - **Dadoo S, Vasquez S, Abecassis S, Sillari C, Shusterman S, Gabriele C, Brown M, Dominquez J, Martin K, Salik I***
24. Excision of a Symptomatic Duodenal Wed in an Eight-year-old-Male
 - **McGuirk M, Martin K, Stewart D, Grant CN[§]**
25. Brachytherapy for 3-year-old with Vaginal Rhabdomyosarcoma: Challenges, Innovation, and Lessons Learned
 - **Hameedi S, Novetsky A, Halperin E, Grant CN[§]**

Vascular Techniques and Technology Thinktank (VAST 3) Annual Meeting– August 4-6, 2022, Saratoga Springs, NY

1. Management of Progressive Thoraco-Abdominal Aortic Aneurysm and Dissection in a Patient with Marfan's Syndrome
 - **Zeeshan M, Mateo R, Goyal A, Laskowski I, Babu S[§]**

REGIONAL

Aortic Innovations Symposium– May 3, 2023, New York, NY

1. Review of Current Challenges of Proximal Aortic Surgery
 - **Spielvogel D**

New York Surgical Society– April 28, 2023, New York, NY

1. Robotic-Assisted Surgery Training (RAST): Assessment of Surgeon Console
 - **Gachabayov M, Nguyen TT, Con J, Bergamaschi R, Castaldi M[§]**

New York Surgical Society– February 8, 2023, New York, NY

1. Robotic-Assisted Surgery Training (RAST) Program: Module 1 of a Three-Module Training Program
 - **Khan M, Palmer M, Con J, Bergamaschi R, Castaldi M***[§]

2022 Greater New York Chapter of the American College of Surgeons Committee on Trauma Resident Paper Competition– November 18, 2022, Virtual

1. Is there a Need for Fresh Frozen Plasma (FFP) and Platelet Transfusion in Trauma Patients Requiring Sub-Massive Transfusion?
 - **Jehan F- regional winner**[§]
2. A National Trend Towards Surgical Stabilization of Rib Fixation: Indications, Approaches and Disparity
 - **Lin N**[§]
3. Optimal Timing of Operative Intervention for High Grade Carotid Injuries in Patients with Blunt Trauma: A Nationwide Analysis of Trauma Quality Improvement Program
 - **Zeeshan M**[§]

VEITH Symposium– November 15-19, 2022, New York, NY

1. Surprisingly Occlusion of 1 or Both Hypogastric Arteries during EVAR does NOT Result in Serious Adverse Events: From a Large VQI Study
 - **Chang H, Veith FJ, Rockman CB, Jacobowitz GR, Patel VI, Garg K**

New York Society of Colon and Rectal Surgeons Interesting Case Night– October 6, 2022, New York, NY

1. Giant Squamous Cell Carcinoma Originating in Neglected Pilonidal Cyst
 - **Kajmolli A, Bergamaschi R**[§]

NATIONAL

American Society of Artificial Organs– June 14-17, 2023, San Francisco, CA

1. The Impact of Ipsilateral Implantable Cardioverter Defibrillator in Axillary Intra-Aortic Balloon Pump Support as Bridge-to-Heart Transplantation
 - **Hirani R, Isath A, Elson D, Levine A, Pan S, Aggarwal-Gupta C, Lanier G, Wolfe K, Spielvogel D, Gass A, Kai M, Ohira S***
2. CARD9: Ex-vivo Heart Perfusion Using Organ Care System for Cardiac Transplantation: A Single Center Experience in the United States. DOI:10.1097/01.mat.0000943560.03510.9e
 - **Gregory V, Isath A, Levine A, Pan S, Aggarwal-Gupta C, Lanier G, Wolfe K, Spielvogel D, Gass A, Ohira S, Kai M***

American Transplant Congress– June 3-7, 2023, San Diego, CA

1. Utilization of Heart Machine Perfusion for Donation after Cardiac Death Transplantation Does Not Compromise Liver Transplant Outcomes
 - **Okumura K, Misawa R, Dhand A, Ohira S, Sogawa H, Veillette G, Nishida S**[§]
2. Trends and Outcomes of Liver Transplantation in Human Immunodeficiency Virus Recipients
 - **Okumura K, Misawa R, Sogawa H, Veillette G, Nishida S, Dhand A**[§]
3. Long-Term Nationwide Outcomes of Solid Organ Transplantation from VOCID Positive Donors in the United States
4. **Okumura K, Misawa R, Sogawa H, Veillette G, John D, Diflo T, Nishida S**[§]

5. Liver Transplantation in Septuagenarians: Outcomes and Potential Impact of Use of Organs from Donors >= 50 Years
 - **Okumura K, Dhand A, Misawa R, Sogawa H, Veillette G, John D, Diflo T, Nishida S[§]**
6. Machine Perfusion Protects Against Mortality and Graft Failure in Donation after Cardiac Death (DCD) Liver Transplant Recipients in the United States
 - **Okumura K, Misawa R, Dhand A, Sogawa H, Veillette G, Nishida S[§]**

American Society of Colon and Rectal Surgeons Annual Meeting– June 3-6, 2023, Seattle, WA

1. Surgical Management of Marjolin’s Ulcer in an Untreated Pilonidal Cyst
 - **Kajmolli A, Gachabayov M, Nguyen TT, Bergamaschi R[§]**
2. Quality of Specimens in Rectal Cancer Surgery: Comparison of Robotic to taTME
 - **Gachabayov M, Nguyen TT, Bergamaschi R[§]**
3. Pelvic Exenteration in a Transgender Female with Invasive Squamous Cell Carcinoma of the Neovagina
 - **Nguyen TT, Alter K, Gachabayov M, Phillips J, Bergamaschi R, Bendl R[§]**
4. Racial Disparities in Minimally Invasive Proctectomies- A NSQIP Study
 - Nasser Y, La K, Solis A, **Smiley A**, Lagenfeld S, Cohen J, Barnajian M

International College of Surgeon’s 84th Annual Meeting– May 4-6, 2023, San Antonio, TX

1. A Novel Technique for Wound Closure using Spanning Sutures to Decrease Graft Size
 - **Levy L, Carr L***

The International Society for Heart and Lung Transplantation– Apr 19-22, 2023, Denver, CO

1. Early Recurrence of Cardiac Sarcoidosis after Orthotopic Heart Transplantation
 - Khan SP, Seplowe M, Vemulakonda L, Shakil F, Aggarwal-Gupta C, Lanier G, Levine E, **Ohira S, Spielvogel D, Gass A, Kai M**, Pan S
2. Ex-Vivo Heart Perfusion for Cardiac Transplantation: An Initial Experience in the United States
 - Isath A, **Ohira S**, Levine E, Pan S, Lanier G, Aggarwal-Gupta C, **Wolfe K, Spielvogel D**, Gass A, **Kai M**
3. Utilization of Hepatitis C Virus Infected Donor in Heart Transplant Recipients with Elevated Meld-XI Score
 - **Ohira S, Okumura K**, Isath A, **Dhand A**, Lanier G, Levine E, Pan S, Aggarwal-Gupta C, Gass A, **Spielvogel D, Kai M[§]**
4. Escalation of Mechanical Circulatory Support in a Patient with an Acute Myocardial Infarction, Cardiogenic Shock and Refractory Ventricular Tachycardia
 - Isath A, **Ohira S**, Hoch E, Frenkel D, Jacobson J, Lanier G, **Kai M**, Gass A, Levine E
5. Escalation from Impella 5.5 to Ecpella Support as a Bridge to Mitral Valve Surgery in a Patient with Non-Ischemic Cardiomyopathy with Degenerative Mitral Regurgitation
 - **Gregory V, Grunfeld M**, Kanwal A, Bali AD, Isath A, Pan S, **Spielvogel D, Kai M, Ohira S***
6. Impella 5.5 with Venous-Arterial Extracorporeal Membrane Oxygenation Support as Ecpella 5.5
 - Isath A, Gass A, Pan S, Levine E, Aggarwal-Gupta C, Lanier G, **Spielvogel D, Kai M, Ohira S**

ACS Committee on Trauma Annual Meeting- March 8-12, 2023, Chicago, IL

1. Is there a Need for Fresh Frozen Plasma (FFP) and Platelet Transfusion in Trauma Patients Requiring Sub-Massive Transfusion?
 - **Jehan F, Zangbar B, Shnaydman I, Klein J, Con J, Policastro A, Prabhakaran K[§]**

Mountain West Society of Plastic Surgeons– February 23-26, 2023, Denver, CO

Risk Factors and Complications of Abdominally Based Breast Reconstruction: A Comparative Analysis of 13,587 Patients

- **Levy L, Temple B, Carr L***

Academic Surgical Congress– February 7-9, 2023, Houston, TX

1. Non-Operative Management of Cirrhotic Patients with Acute Calculous Cholecystitis: How Effective is it?
 - **Hanna K, Zangbar B, Klein J, Shnaydman I, Bronstein M, Prabhakaran K, Con J[§]**
2. The Effect of Acuity in Circle Policy on Racial Disparity in Liver Transplantation
 - **Okumura K, Misawa R, Dhand A, Sogawa H, Veillette G, et al.[§]**

Society of Critical Care Medicine– January 21-24, 2023, San Francisco, CA

1. Still Not SAFE: A Propensity Score Matched Analysis of Colloid Use in Traumatic Brain Injury.
DOI:10.1097/01.ccm.0000910960.95561.29
 - **Li M, Shnaydman I, Samson D, Littmann J, Hiremath T, Sun J, Lee A, Litwa H, Gaudio C, Affrunti S, Villion A***
2. Extreme Elevation of Procalcitonin Induced by Meropenem. DOI:10.1097/01.ccm.0000907460.58988.9c
 - **Li M, Shnaydman I, Villion A**

The Society of Thoracic Surgeons– January 21-23, 2023, San Diego, CA

1. The Use of Donor Hearts 50 Years or Older to Septuagenarians in Heart Transplant: The Potential of Expanding the Donor Pool in Older Patients and Increasing the Availability of Younger Hearts
 - **Ohira S, Okumura K, Hirani R, Martinez S, De la Pena C, et al.*[§]**

American Society of Transplant Surgeons Winter Symposium – January 12-15, 2023, Miami, FL

1. The Impact of New Acuity-Circle Policy on Septuagenarian Donors in Liver Transplantation in the United States
 - **Okumura K, Misawa R, Dhand A, Sogawa H, Veillette G, et al.[§]**

ACS TQIP Annual Conference– December 11-13, 2022, Phoenix, AZ

1. Registry Based Retrospective Utilization of the Nelson Scoring Tool to Evaluate the Appropriateness of Non-surgical Admission at a Level 1 Trauma Center
 - **Maguire K, Kinkead B, McCaul B, Zangbar B, Prabhakaran K**
2. One Size Does Not Fit All: Comparison of Methodology for Under-Triage Evaluation Reveals Differences Based on Patient Population
 - **Maguire K, Kinkead B, McCaul B, Zangbar B, Prabhakaran K**
3. Efficacy of a Self-Directed Stop the Bleed Course via an Instructional Brochure
 - **Maguire K, Briskin C, Musicus M, Smiley A, Con J***

Western Surgical Association– November 5-8, 2022, Santa Barbara, CA

1. Major Risk Factors for Mortality in Elderly and Non-Elderly Adult Patients Emergently Admitted for Blunt Chest Wall Trauma: Hospital Length of Stay as an Independent Predictor
 - **Elgar G, Smiley A, Latifi R***
2. Longer Hospital Length of Stay and Emergency Surgical Intervention are Associated with Lower Rates of Mortality in Elderly Patients with Ruptured Abdominal Aortic Aneurysm: Analysis of 7,214 Patients
 - **Lobao A, Smiley A, Latifi R***

American Heart Association and the Committee on Scientific Sessions Program– November 4-7, 2022, Chicago, IL

1. Limb and Cardiovascular Events at 6 Months Among CTLI Patients Receiving Routine Care at BEST-CLI Sites: An Interim Report from the BEST-Registry
 - **Laskowski I**

The Liver Meeting 2022 of American Association for the Study of Liver Diseases– October 31-November 8, 2022 Washington, DC

1. The Effect of Acuity in Circle Policy of Simultaneous Liver-Kidney Transplantation
 - **Okumura K, Misawa R, Dhand A, Sogawa H, Veillette G, et al.**[§]

Plastic Surgery the Meeting– October 27-30, 2022, Boston, MA

1. Collagen Vascular Disease as an Independent Predictor of Modified Frailty Index Score in Patients Undergoing Autologous Breast Reconstruction: An Analysis of 11,557 Patients
 - **Levy L, Perakis H, Carr L, Ritter E***
2. Syndactyly Recurrence after Surgical Release in Harlequin Ichthyosis
 - **Temple B, Kahan E, Zellner E, Carr LW***

American College of Surgeons Clinical Congress – October 16-20, 2022, San Diego, CA

1. The Risk of Mortality in Elderly Patients with Emergently Admitted Appendicitis is Approximately 22 Times Higher than that in Nonelderly-Adult Patients: A Retrospective Analysis of 339,917 Patients
 - **Hirani R, Smiley A, Latifi L, Latifi R***
2. Complex Abdominal Wall Reconstruction with Biologic Mesh for Ventral/Umbilical Hernias in Patients with Cirrhosis
 - **Latifi R, Samson DJ, Smiley A, Okumura K**[§]
3. Predictors Of In-hospital Mortality In Nonelderly Adult Patients Emergently Admitted with Rhabdomyolysis: A 10 Year Analysis of 32,140 Patients from the National Inpatient Sample
 - **Lee JS, Smiley A, Latifi R***
4. Liver Transplantation does not Increase Morbidity or Mortality in Women Undergoing Surgery for Breast Cancer
 - **Roberts S, Veillette G, Okumura K, Parsikia A, Choubey A, Ortiz J, Castaldi MT***[§]
5. Reaching the Hard to Reach: Early Detection is Not Enough
 - **Roberts S, Koziol KJ, Drivas E, Orlando M, Smiley A, Castaldi MT***[§]
6. Hypothermia on Admission Predicts Poor Outcomes in Adult Trauma Patients
 - **Zeeshan M, Zangbar B, Shnaydman I, Jehan F, Hanna K, Bronstein M, Con J, Klein J, Policastro A, Prabhakaran K**[§]
7. A National Trend Towards Surgical Stabilization of Rib Fixation: Indications, Approaches and Disparities
 - **Lin N, Zangbar B, Shnaydman I, Klein J, Bronstein M, Con J, Policastro A, Prabhakaran K**[§]
8. Intubation of the Geriatric Trauma Patient: Therapeutic versus Terminal?
 - **Zangbar B, Shnaydman I, Klein J, Bronstein M, Hanna K, Lin N, Azim A, Con J, Policastro A, Prabhakaran K**[§]
9. Fresh Frozen Plasma and Platelets is Associated with Better Outcomes Even in Trauma Patients Requiring Sub-Massive Transfusion
 - **Jehan F, Zangbar B, Shnaydman I, Hanna K, Bronstein M, Khan M, Klein J, Con J, Policastro A, Prabhakaran K**[§]
10. Novel Cleancision Irrigating Wound Retractor versus Standard Alexis Wound Retractor in the Prevention of Surgical Site Infection after Colorectal Resection

- Nasser Y, Oka K, Kasher E, Zhu R, **Smiley A**, Cohen J, Ellenhorn J, Barnajian M
- 11. Does Coffee Affect Bowel Recovery Following Minimally Invasive Colectomy? A 3-Armed Randomized Control Trial
 - Nasser Y, Kasher E, Oka K, Zhu R, **Smiley A**, Cohen J, Ellenhorn J, Barnajian M
- 12. Risk Factors and Complications of Abdominally Based Breast Reconstruction: A Comparative Analysis of 13,587 Patients
 - **Levy L, Smiley A***
- 13. Post-operative Complications in Patients Undergoing Non-abdominal Wall Flap Reconstruction after Laparoscopic or Robotic Abdominoperineal Resection
 - **Levy L, Smiley A***
- 14. Does Machine Perfusion of Liver Work for Donation after Cardiac Death?
 - **Okumura K, Misawa R, Sogawa H, Veillette G, John D, Diflo T, Nishida S[§]**

Annual Meeting of the American Society for Surgery of the Hand- September 29-October 2, 2022, Boston, MA

1. Initial Opioid Prescription for Non-operative Distal Radius Fractures does not Account for Fracture Severity
 - McLaughlin C, Massand S, Lo A, **Carr LW**

Meeting of the Eastern Vascular Society– September 29-October 1, 2022, Philadelphia, PA

1. Young Patients Undergoing CEA have Increased Rates of Recurrent Disease and Late Neurologic Events
 - Garg K, **Chang H**, Sadek M, Maldonado T, Cayne N, Barfield M, Siracuse J, Jacobowitz G, Rockman C

The American Association for the Surgery of Trauma– September 21-24, 2022, Chicago, IL

1. Social and Racial Disparity Impacts Victims of Physical Abuse Amongst Trauma Patients in the United States
 - **Zangbar B, Shnaydman I, Hanna K, Klein J, Bronstein M, Policastro A, Con J, Prabhakaran K[§]**

International Federation for the Surgery of Obesity and Metabolic Disorders– August 23-27, 2022, Miami, FL

1. Euglycemic Diabetic Ketoacidosis Presents as a Surprising Complication after Bariatric Surgery
 - **Lin N**, Tat C, Cabello M, **Giannone J, Maffei A, Cerabona T, Kaul A[§]**

American Society of Transplant Surgeons Summer Symposium– August 4-7, 2022, Miami, FL

1. Analysis of Hepatopulmonary Syndrome in Liver Transplant; Portal Vein Thrombosis Might be Relevant
 - **Okumura K, Misawa R, Sogawa H, Veillette G, John D, et al.[§]**
2. The Outcomes of Solid Organ Transplant during COVID-19 Pandemic in the United States
 - **Okumura K, Dhand A, Misawa R, Sogawa, Veillette G, et al.[§]**

INTERNATIONAL

Kerecis Midnight Sun Conference– June 7-9, 2023, Reykjavik, Iceland

1. Complex Case of Necrotizing Fasciitis: Left Lower Extremity
 - **Policastro A- Aurora award for best case**

American Surgical Association– April 20-22, 2023, Ontario, Canada

1. Transanal Hemorrhoidal Dearterialization with Mucopexy versus Ferguson Hemorrhoidectomy for Prolapsed Internal Hemorrhoids: A Multicenter Prospective Study
 - **Gachabayov M, Angelos G, Orangio G, Abcarian H, Bergamaschi R[§]**

Vascular and Endovascular Surgery Society– February 23-26, 2023, Whistler, Canada

1. Intraoperative Infusion of Dextran Confers No Additional Benefit after Carotid Endarterectomy but is Associated with Increased Perioperative Major Adverse Cardiac Events
 - **Moore JM, Garg K, Laskowski IA, Maldonado TS, Mateo RB, Babu S, Goyal A, Ventarola DJ, Chang H***

1st SNUH Lee Yung Kyoon Memorial Symposium– December 10, 2022

1. Complex Bentall and Re-operative Total Aortic Arch Replacement
 - **Spielvogel D**
2. Spinal Cord Protection in Aortic Surgery
 - **Spielvogel D**

Japan Digestive Disease Week 2022– October 27-30, 2022, Fukuoka, Japan

1. Do MELD 3.0 have Better Discrimination of Mortality in Post-Liver Transplant?
 - **Okumura K, Misawa R, Sogawa H, Veillette G, John D, Diflo T, Nishida S⁵**

Congress of the Vascular Society of India– October 6-9, 2022, Agra, India

1. Persistent Left Sided Superior Vena Cava (PLSVC): Implications for Vascular Surgeons
 - **Babu S**

World Professional Association for Transgender Health Conference– September 16-20, 2022, Montreal, Canada

1. Perioperative and Genitourinary Complications of Reconstructive Masculinizing and Feminizing Genital Gender Affirming Surgery Using the NIS Database
 - **Bielawski A, Lebron K, Smiley A, Ferrando C, Grimes C***

Kosova College of Surgeons Second Clinical Conference– September 15-18, 2022, Prishtina, Kosova

1. Surgical Quality and Improvement: From 'Morbidity and Mortality' to Patient Safety and Kaizen
 - **Diflo T**
2. The Pendulum of Resuscitation in Trauma: Incorporating Evidence-Based Knowledge and the Impact of Post-Pandemic Increases Trauma and Violent Crime
 - **Prabhakaran K**
3. Establishing an Integrated Breast Health Center- Providing Comprehensive Quality Care
 - **Castaldi M**
4. Geriatric Falls
 - **Prabhakaran K**
5. Nullius in Verba
 - **Bergamaschi R**
6. How do Physicians and Surgeons Deal with their own Disease? The Answer is not what you Think! Personal Reflections
 - **Smiley A**
7. Kidneys for Kosovo: Moving Toward a Balkan Transplant Program
 - **Diflo T**

International Congress of the Transplantation Society– September 10-14, 2022, Buenos Aires, Argentina

1. Inferior Long-Term Outcomes of Simultaneous Liver-Kidney Transplantation Using Donation after Cardiac Death Donors in the United Network for Organ Sharing Database
 - **Okumura K, Dhand A, Misawa R, Sogawa H, Veillette G, Nishida S[§]**

European Society of Cardiology– August 26-29, 2022, Barcelona, Spain

1. Survival and Renal Outcomes of Direct Heart Transplant from Venous-Arterial Extracorporeal Membrane Oxygenation Support
 - Kanwal A, **Ohira S**, Isath A, Levine A, Pan S, **Dhand A**, Aggarwal-Gupta C, Lanier G, Gass A, **Spielvogel D, Kai M**

World Congress of Surgery International Surgery Week– August 15-18, 2022, Vienna, Austria

1. Complex Abdominal Wall Reconstruction with Biologic Mesh for Ventral Hernia Repair in Solid Organ Transplant Recipients: Practical Tips and Tricks
 - **Okumura K, Smiley A**, Latifi L, **Nishida S, Bodin R, Latifi R[§]**
2. Indications, Techniques and Results of a Prospective Study on Direct Peritoneal Resuscitation (DPR) Used on 37 Patients Post Damage Control Surgery
 - **Latifi R, Okumura K, Smiley A[§]**

General Meeting of the Japanese Society of Gastroenterological Surgery– July 20-22, 2022 – Yokohama, Japan

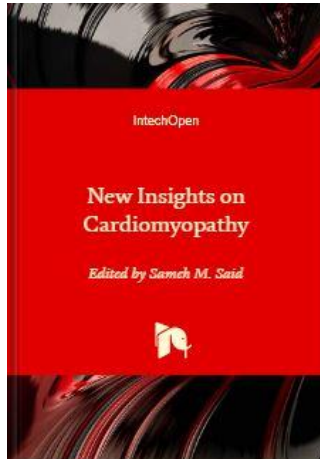
1. The Safety of COVID-19 Positive Donors for Liver Transplantation in the United States: A Nationwide Trend
 - **Okumura K, Misawa R, Nishida S[§]**

* Represents abstracts and presentations including medical students. Of the department's 109 presented abstracts this year, 35 included medical students. Of these, medical students were the first author of 29.

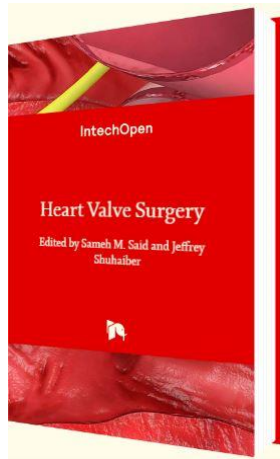
[§] Represents abstracts and presentations including residents. Of the department's 109 presented abstracts this year, 52 included residents. Of these, residents were the first author of 42.

Books and Book Chapters

BOOKS



Said SM, ed. *New Insights on Cardiomyopathy*. IntechOpen; 2023.



Said SM & Shuhaiber J, eds. *Heart Valve Surgery*. IntechOpen; 2023.

BOOK CHAPTERS

- 1.) **Said SM**, Quintana E, Salhab KF. Hypertrophic Cardiomyopathy: Surgical Perspectives. In: Said SM ed. *New Insights on Cardiomyopathy*. IntechOpen; 2023.
- 2.) **Said SM**. Introductory Chapter: Heart Valve Surgery- Current Status and Future Directions. In Said SM & Shuhaiber J eds. *Heart Valve Surgery*. IntechOpen; 2023.
- 3.) **Said SM**. Surgical Options for Pulmonary Valve Pathology in the Current Era. In Said SM & Shuhaiber J eds. *Heart Valve Surgery*. IntechOpen; 2023.
- 4.) **Grant CN**, Jackson P. Choledochojejunostomy. In *Medscape Review*. 2023.
- 5.) **Grant CN**, Jackson P. Antrectomy. In *Medscape Review*. 2023.
- 6.) **Carr LW**, Adams BD. Open Ligament Reconstruction: DRUJ Instability. In: Kakar S & Yao J ed. *ASSH Surgical Anatomy: Ulnar Wrist*. American Society for Surgery of the Hand; 2022.

NYMC Medical Student Research Involvement

Medical Students Ongoing Projects

1. Zhazira Irgebay, MS-4: Facial Fractures, Characteristics and Patterns in the United States: A Survey of Recent Trauma Quality Improvement Project (TQIP) Data
2. Madeleine Wong, MS-4: Secondary Data Analysis for Hepatocellular Carcinoma Patients Liver Transplant
3. Lior Levy, MS-4: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Multiple Topics
4. Bardia Khandehroo, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Umbilical Hernia and Gangrene
5. Danielle Newbury, MS-4: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Gastritis with Hemorrhage
6. Amit Krishnan, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Diaphragmatic Hernia
7. Arjun Syal, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Inguinal Hernia
8. Saral Patel, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Regional Enteritis
9. Rachel Thommen, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Diverticula of Small Intestine
10. Katherine Lo, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Blood in Stool
11. Maziyah Ogarro, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Vascular Insufficiency of Intestine
12. Akash Thaker, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- GI Adhesions with Obstruction
13. Maksat Idris, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Acute Gastric Ulcer
14. Alexander Ladinsky, MS-2: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Abscesses of the Anorectal Region
15. Klaudia Koziol, MS-4: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Nipple Infection; Receptor Status in Breast Cancer
16. Antonio Lobao, MS-4: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Ruptured Abdominal Aneurysm
17. Sacha Roberts, MS-4: Assessing the Relationship between Obstructive Sleep Apnea and Breast Cancer Outcomes; Clinical Utility Study of a Low-Cost Hand-Held Breast Scanner; Receptor Status in Breast Cancer; Liver Transplantation Does Not Increase Morbidity or Mortality in Women Undergoing Surgery for Breast Cancer
18. Alexandra Lee, MS-4: Evaluation of Colloids in Traumatic Brain Injury Patients; Outcomes of Early Initiation of Venous Thromboembolism Prophylaxis in Isolated Traumatic Brain Injuries; Implementation of Brain Injury Guidelines for Management of Traumatic Brain Injury at a Level 1 Trauma Center: A Retrospective Study
19. Rahim Hirani, MS-2: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Gastroparesis; Repair of Fungal Pseudoaneurysm of the Common Brachiocephalic Trunk; Insertion of durable left ventricular assist device with repair of ischemic ventricular septal rupture; Cannulation-related adverse events of peripheral veno-arterial extracorporeal membrane oxygenation support in heart transplantation: Axillary versus femoral artery cannulation
20. Alessandra Moscatello, MS-3: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Hypertrophic Pyloric Stenosis; The Utility of Routine Computed Tomography in the Evaluation of Potential Renal Transplant Recipient

21. Cailan Feingold, MS-2: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Multiple Topics
22. Adrienne Bielawski, MS-3: A Descriptive Study of Hospital Admissions Following Induced and Spontaneous Abortions in the United States; Perioperative and Genitourinary Complications of Reconstructive Masculinizing and Feminizing Genital Gender Affirming Surgery Using the NIS Database
23. Joanna Abouezzi, MS-3: A Descriptive Study of Hospital Admissions Following Induced and Spontaneous Abortions in the United States; Hospital Admissions due to Cardiovascular Disease during Pregnancy in the United States
24. Guy Elgar, MS-2: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Multiple Topics; Limb Salvage Using Cadaveric Vein Graft: A Single Center Experience
25. Hannah Litwa, MS-4: Evaluation of Colloids in Traumatic Brain Injury Patients; Implementation of Brain Injury Guidelines for Management of Traumatic Brain Injury at a Level 1 Trauma Center: A Retrospective Study
26. Sabrina Martinez, PL2: Analysis of Patients with Acute Heart Failure who Require Extracorporeal Membrane Oxygenation (ECMO) Support
27. Kira Lebron, MS-3: Incidence of Reproductive Tract and Breast Cancers in Hospitalized Transgender Patients; Perioperative and Genitourinary Complications of Reconstructive Masculinizing and Feminizing Genital Gender Affirming Surgery Using the NIS Database
28. Sophia Arbuiso, MS-3: Cleft Lip Rhinoplasty; Fat Grafting for Temporal Hollowing Augmentation Following Craniectomy
29. Caitlin Gaudio, MS-2: Evaluation of Colloids in Traumatic Brain Injury Patients
30. Matan Grunfeld, MS-2: "Bowing Technique" for Using a HeartMate 3 Mini-Apical Cuff; Heart Recovery from a Brain-dead Donor with a History of Ravitch Procedure for Repair of Pectus Excavatum; Recurrent Stroke after Percutaneous Placement of Post-Infarct Septal Occluder Device
31. Merit Gorgy, MS-3: National Inpatient Sampling (NIS) Database of Child Abuse and Burn Injuries in Children and Adults
32. Kristyn Vicente, MS-2: Cleft Lip Rhinoplasty
33. Camille Briskin, MS-4: Predictive Markers of Small and Large Bowel Injury from Blunt Trauma
34. Salvatore Affrunti, MS-2: Evaluation of Colloids in Traumatic Brain Injury Patients
35. Aroubah Iqbal, MS-2: Comparing Venous Reflux in Reverse Trendelenburg Position Using Duplex Scan; Limb Salvage Using Cadaveric Vein Graft: A Single Center Experience; Evaluation of Patient Outcomes from the Kidney Allograft Outcomes AlloSure Registry (KOAR)
36. Cara Petrucci, MS-2: Hypoxia and Breast Cancer Progression: A SEER-Medicare Analysis; Prognostic Value of Sentinel Lymph Node Biopsy in Patients Above the Age of 75
37. Daneal Portman, MS-2: Meta-Analysis Comparing Anastomosis Types with Reconstruction of Rectal Resection
38. Ben Barris, MS-2: Mortality and Morbidity and the Associated Factors for Various Diseases Included in the National Inpatient Sample Database- Mallory Weiss Syndrome
39. Zehavya Stadlan, MS-4: Receptor Status in Breast Cancer
40. Francesco Ciuffo, MS-2: 20-Hydroxyeicosatetraenoic Acid (20-HETE) as a Biomarker in Acute Aortic Syndrome
41. Jessica McQuaid-Moore, MS-2: Evaluation of Safety of Intraoperative Infusion of Dextran after Carotid Endarterectomy
42. Sapir Flank, MS-2: Receptor Status in Breast Cancer
43. Chi-Yen Yao, MS-2: MatriDerm: A Meta-Analysis Exploring the Acellular Dermal Matrix
44. Parvathy Retnakumar, MS-4: Implementation of Brain Injury Guidelines for Management of Traumatic Brain Injury at a Level 1 Trauma Center: A Retrospective Study
45. Luis Castelan, MS-3: Risk Factors of Mortality in Emergently Admitted Patients with the Primary Diagnosis of Gangrene
46. Joshua Choe, MS-3: Cleft Lip Rhinoplasty

47. Nativ Hossain, MS-4: Perioperative Impact of Preoperative Anemia in Patients Undergoing Transcarotid Artery Revascularization
48. Elias Kahan, MS-4: Cleft Lip Rhinoplasty
49. Chase Goldberg, MS-1: Bleeding and Thrombotic Complications of Endovenous Radiofrequency Ablation with or without Phlebectomy
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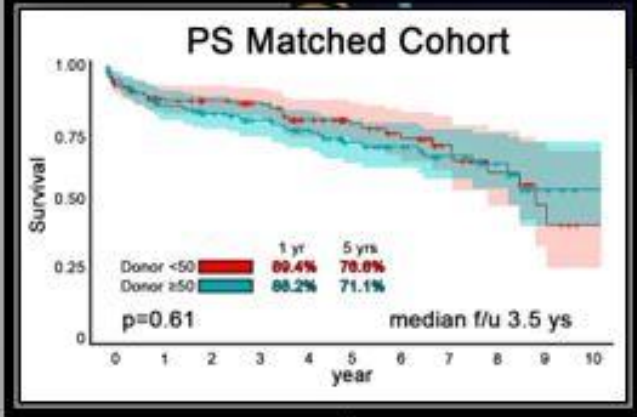
2022-2023 Highlights



The Use of Donor Hearts 50 Year-Old or Greater to Septuagenarians in Heart Transplantation: The Potential of Expanding the Donor Pool in Older Patients and Availability of Younger Hearts to Younger Recipients

Suguru Ohira, MD, PhD,
Kenji Okumura, MD, Corazon De La Pena, MD,
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Circulation

AHA SCIENTIFIC STATEMENT

Surgical Management and Mechanical Circulatory Support in High-Risk Pulmonary Embolisms: Historical Context, Current Status, and Future Directions: A Scientific Statement From the American Heart Association

Joshua B. Goldberg, Jay Giri, Taisel Kobayashi, Marc Raet, Alexander J.C. Mitchell, Belinda Rivera-Letron, Abe DeAnda Jr, John W. Montary, Thomas E. MacGillivray and ... See all authors

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High area deprivation index is associated with increased injury severity in pediatric burn patients

Alice Zhang¹, Sima Vazquez^{1,2}, Ankita Das¹, Erin Spirallari¹, Jose F. Dominguez¹, Kerri Fitman¹, Joseph Turkowski^{1,3}, Irin Salik¹

ABSTRACT

Background: Social disparities play a significant role in pediatric injury-related mortality and morbidity. In this study, we assess the relationship between patient demographic, socioeconomic status and burn severity in pediatric patients.

Methods: Patients under age 18 hospitalized at Westchester Medical Center for burn injury between 2015 and 2020 were reviewed. Demographic variables including socioeconomic status, total body surface area (TBSA) involvement, surgical intervention, hospital length of stay (LOS), and LOS per TBSA burn were examined. The Area Deprivation Index (ADI) was calculated to further assess socioeconomic factors.

Results: We included 389 patients under the age of 18 hospitalized for burn injuries at our institution between 2015 and 2020. The median age was 2 (IQR 1-4) years old, and 41.6% were female. High ADI ($p = 0.048$), Caucasian race ($p = 0.003$), and flame mechanism ($p = 0.001$) were independently associated with burn TBSA > 1%. LOS per TBSA was higher in the Caucasian population ($p = 0.022$).

Conclusion: In burn injury patients, further research is necessary to investigate modifiable risk factors for individuals of Caucasian race or lower socioeconomic status to target of future prevention strategies.

THE ANNALS OF THORACIC SURGERY

ORIGINAL ARTICLE

Aortic Reoperation after Prior Acute Type A Aortic Dissection Repair: Don't Despair the Repair

Suguru Ohira, MD, PhD, A. El, Ramin Malekan, MD, Masashi Kai, MD, Ian Mason, MS, Steven L. Lansman, MD, PhD, David Spielvogel, MD

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STUDY POPULATION

Oct. 2006-Mar. 2022
123 reoperations after acute type A dissection

Indication of reoperation:
Distal 74.7%
Proximal 21.3%
Both 4%

Prior hemicorp repair: 73.3%

Outcome

Elective procedure: **82.1%**
Hospital mortality: 2.4%
Stroke rate: 1.6%
5 year survival 85.2%

Distal aortic diameter after repair

Celiac axis: 1.2 mm/y
Renal a. level: 1.0 mm/y
Terminal aorta: 1.2 mm/y

Conclusion: Both proximal and distal reoperation after type A aortic dissection repair can be safely performed at experienced centers.

Best Moderated Poster

Best Clinical Research Paper

Best Poster

Winners
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Congratulations Dr. Inkyu Lee

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AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASES

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A Novel Approach to the Management of Inadvertent Subclavian Artery Cannulation Using Angio-Seal Closure Device: A Case Series

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Figure 2. (A) Angiogram with arrow showing inadvertent catheter entering the left subclavian artery distal to the vertebral artery. (B) Angiogram of the left subclavian artery after removal of the catheter with arrow showing site of Angio-Seal placement.

Transforming Trauma Care for Optimal Outcomes

Is There A Need For Fresh Frozen Plasma And Platelet Transfusion In Trauma Patients Receiving Sub-massive Transfusions?

Faisal Jehan, MD, Sankha Dasgupta, MD, Sri Prasad Rao, MD, Andrew Patel, MD, Anup Chou, MD, Ashish Patel, MD, PhD, Professor, MS

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Faisal Jehan 3/9/2023 - Plenary Presentation
Finalist, American College Surgeons Research Competition

ACS Complete on Time

Muhammad Khan Presenting
N.Y. Surgical Society Scientific Meeting 2-2023