**Curriculum Vitae**

**Tammy Lyn Kindel, MD, PhD, FACS, FASMBS**

Medical Director, Bariatric Surgery Program

Associate Professor

Division of Minimally Invasive and Gastrointestinal Surgery, Department of Surgery (primary)

Graduate School of Biomedical Sciences (secondary)

Department of Microbiology & Immunology (secondary)

Medical College of Wisconsin

­­­­I am an academic bariatric surgeon-scientist with specific clinical development experience in adolescent bariatric surgery, revisional bariatric surgery, and metabolic surgery in advanced heart failure patients. I am the clinical director of the MBSAQIP accredited bariatric surgery program at Froedtert & Medical College of Wisconsin. My research interests involve GI mediated mechanisms for cardiovascular disease remission after metabolic surgery funded by the National Institutes of Health.

**OFFICE ADDRESS:**

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Milwaukee, WI 53226

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**EDUCATION:**

08/1997-06/2001 BS, Wilmington College, Wilmington, OH

08/2001-06/2005 MD, The Ohio State University, Columbus, OH

06/2007-06/2010 PhD, University of Cincinnati, Cincinnati, OH

Department of Pathobiology and Molecular Medicine

Dissertation: The effects of duodenal-jejunal bypass on glucose homeostasis

**POSTGRADUATE TRAINING AND FELLOWSHIP:**

07/2005-06/2013 Residency, General Surgery, Northwestern Memorial Hospital, Chicago, IL

07/2014-06/2015 Fellowship, Minimally Invasive and Bariatric Surgery, University of Nebraska

Medical Center, Omaha, NE

09/2017-08/2019 CTSI of Southeast Wisconsin, Clinical Research Scholars Program

**LEADERSHIP TRAINING:**

Columbia University School of Business Executive Education, Women in Leadership, 6/2022

**FACULTY APPOINTMENTS:**

3/2021-present Associate Professor, Department of Microbiology & Immunology (secondary

appointment), Medical College of Wisconsin; Milwaukee, WI

09/2020-present Associate Professor, Graduate School of Biomedical Sciences (secondary

appointment), Medical College of Wisconsin; Milwaukee, WI

07/2020-present Associate Professor, Department of Surgery, Division of Minimally Invasive

and Gastrointestinal Surgery (primary appointment), Medical College of Wisconsin;

Milwaukee, WI

09/2015-06/2019 Assistant Professor, Department of Surgery, Division of Minimally Invasive

and General Surgery, Milwaukee, WI

11/2013-06/2015 Clinical Assistant Professor, Department of Surgery, Division of General

Surgery, University of Nebraska Medical Center, Omaha, NE

**CURRENT HOSPITAL STAFF PRIVILEGES:**

09/2015-present - Present Froedtert Memorial Lutheran Hospital, Milwaukee, WI

09/2015-present - Present Children’s Hospital of Wisconsin, Milwaukee, WI

**SPECIALTY BOARDS AND CERTIFICATION:**

Board Certified, American Board of Surgery #058841 01/27/2014- 12/31/2024

Active, Wisconsin Permanent License #64165 06/04/2015- 10/31/2023

ASMBS Certificate of Satisfactory Training in Metabolic and Bariatric Surgery 10/8/2015

**PROFESSIONAL AWARDS AND HONORS:**

* MCW Department of Surgery Professionalism Award- selected by the general surgery residents and given each year to one faculty member from the department of surgery who exemplifies honesty, integrity and a commitment to patient care
* SAGES Foundation Excellence in Medical Leadership Award (leadership program scholarship to optimize a high potential surgeon leader in the medical field/industry so they can deliver sustainable results driven by their greatest capabilities and purpose as a leader) 8/2021
* The Ohio State University COM Early Career Achievement Award (presented to an alumnus/alumna who has made significant career contributions to the community or college in the areas of service, scientific or academic achievement within 10 years of medical training), 05/2020
* SAGES Young Researcher Award (designated award for a young member of SAGES within 5 years of completion of fellowship training with significant clinical and/or basic science research, publication or presentation at national meetings, and dedication to an academic career), 04/2019
* Administrative Chief Resident, Northwestern Memorial Hospital, Chicago, IL, 07/2010-06/2013
* Kanavel Scholars Award Winner, Department of Surgery, Northwestern Memorial Hospital, Chicago, IL, 06/2012
* “Resident as Teachers” award winner, Department of Surgery, Northwestern Memorial Hospital, Chicago, IL, 07/2011-06/2012
* “Resident as Teachers” award winner, Department of Surgery, Northwestern Memorial Hospital, Chicago, IL, 07/2010-06/2011
* 2nd place poster award winner, Digestive Health Center Annual Scientific Research Symposium, Children’s Hospital and Medical Center of Cincinnati, Cincinnati, OH, 05/2010
* Winner Open/Basic Science Research Competition, Department of Surgery, Northwestern Memorial Hospital, Chicago, IL, 06/2009
* Pathobiology and Molecular Medicine Milestone Achievement Award, University of Cincinnati, Cincinnati, OH, 06/2008
* Glasgow-Rubin Achievement Citation, American Medical Women’s Association, 06/2005
* Cum Laude, The Ohio State University College of Medicine, Columbus, OH, 06/2005
* Ferguson Award in Surgery, The Ohio State University College of Medicine, Columbus, OH, 06/2005
* Glasgow-Rubin Achievement citation, American Medical Women’s Association, 06/2005
* AOA Gamma Chapter President, 05/2004-05/2006
* AOA Honor Society, Junior member induction, 05/2004
* Summa Cum Laude, Wilmington College, Wilmington, OH, 06/2001

**ACTIVE MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

 Society for American Gastrointestinal and Endoscopic Surgeons (SAGES)

American College of Surgeons (ACS)

American Society for Metabolic and Bariatric Surgery (Member and Fellow, ASMBS)

Wisconsin Surgical Society

 Society of University Surgeons

 Alpha Omega Alpha

**JOURNAL REVIEWS:**

Annals of Surgery- ad hoc reviewer

 Annals of Surgical Oncology- ad hoc reviewer

Biomedicines- ad hoc reviewer

BMC Obesity- ad hoc reviewer

 Diabetes- ad hoc reviewer

Expert Review of Cardiovascular Therapy- ad hoc reviewer

EBioMedicine- ad hoc reviewer

Journal of Clinical Medicine- ad hoc reviewer

Journal of Gastrointestinal Surgery- ad hoc reviewer

Journal of Surgical Research- ad hoc reviewer

Medical Science Monitor- ad hoc reviewer

 Nutrients- ad hoc reviewer

 Obesity Surgery- ad hoc reviewer

Surgery- ad hoc reviewer

 Surgical Endoscopy- ad hoc reviewer

Surgery for Obesity and Related Diseases- editorial board (2/2021-present)

**LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

9/2022- present MCW IACUC Chair

9/2021- 8/2022 MCW IACUC Vice Chairperson

10/2018- present MCW IACUC Voting Committee Member

04/2018-present Medical Director, Bariatric Surgery Program of Froedtert & MCW

7/1/2021-present Leadership Council, Wisconsin State Chapter of the American Society for

Metabolic and Bariatric Surgery, Vice-president

01/2018-01/2020 Leadership Council, Wisconsin State Chapter of the American Society for

Metabolic and Bariatric Surgery, Secretary/Treasurer

11/2017-11/2019 Leadership Council, Wisconsin Surgical Society, State Chapter of the

American College of Surgeons

01/2016-01/2018 Leadership Council, Wisconsin State Chapter of the American Society for

Metabolic and Bariatric Surgery, at large position

**NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

* ASMBS Foundation Board Member, 06/2022-06/2025
* Member Career Development and Research Committee: SAGES, 07/2020-present
* Member Program Committee, Scientific Sessions Sub-committee, ASMBS, 01/2020-6/2022
* Member, Research Committee, ASMBS, 01/2016-present
* Co-chair, Quality Improvement & Patient Safety Committee, ASMBS, 7/2020-present
* Member, Quality Improvement & Patient Safety Committee, ASMBS, 11/2016-present
* Co-chair, Guidelines Committee, SAGES, 7/2022-present
* Member, Guidelines Committee, SAGES, 06/2015-present
* Member, Membership Committee; AAS, 2/2017-2/2019
* Member, Safety in Cholecystectomy Task Force, SAGES, 06/2015-05/2017

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

Current

 **Peer Review**

Title: Identifying gut microbiome mediated mechanisms of diastolic dysfunction

improvement after bariatric surgery

Source: NIH/NHLBI R01HL158900

Role: Principal Investigator

Dates: 6/1/2022-5/31/2027

Total Funds: $2,209,200 (Y1 446,632 total)

Effort: 30%

Title: How the microbiome mediates changes in hypertension after bariatric surgery

Source: Michael Keelan Jr. MD Research Foundation Award, MCW CVC

Role: Principal Investigator

Dates: 11/1/2020-10/30/2022

Total Funds: $50,000

Effort: 5%

Title: The role of GLP-1 in cardiac recovery after bariatric surgery in obesity-induced

heart failure.

Source: American College of Surgeons George Clowes Career Development Award

 Role: Principal Investigator

 Dates: 7/2020-6/2025

 Total Funds: $225,000

 Effort: supplement to K08 75%

Title: Integrated Clinical & Research Ensemble in Obesity

 Source: CTSI Greater Milwaukee and Southeastern Wisconsin, UL1TR001436

 Role: Member

 Dates: 2/1/2020-2/1/2023

 Total Funds: $50,000

 Effort: 0%

Title: The intersection of GLP-1, gut microbiota, and brain connectivity in prodromal Alzheimer’s disease

 Source: NIA/NIH 1R21AG075501

 Role: Co-I (PI Umfleet)

 Dates: 01/15/2022-12/31/2023

 Total Funds: $396,000

 Effort: 5%

 Title: NIH Clinical Research Scholars Loan Repayment Program

 Date: 9/2021-8/2023

Pending:

Title: Anaerobic metabolism is affected by gut bacteria following gastric bypass surgery

 Source: NIDDK RO1

 Role: Co-PI (contact PI John Kirby)

 Total Funds: $3,187,194

 Effort: 25%

Prior

Title: The role of GLP-1 in cardiac recovery after bariatric surgery in obesity-induced

heart failure.

 Source: NIH/NHLBI K08 Career Development Award- K08 HL140000-01A1

 Role: Principal Investigator

 Dates: 1/15/2019-6/1/2022

 Total Funds: $603,496

 Effort: 75%

Title: Weight loss independent effects of bariatric surgery on cardiac function in rodents.

Source: Research Affairs Committee

 Role: Principal Investigator

 Dates: 1/1/2020-12/31/2021

 Total Funds: $25,000

 Effort: 5%

Title: The effect of bariatric surgery and antibiotics on the gut microbiome and

hypertension

 Source: We Care Fund for Medical Innovation and Research Award, MCW

 Role: Principal Investigator

 Dates: 9/1/2018-8/31/2020

 Total Funds: $ 70,000

 Effort: 5%

Title: The role of GLP-1 in cardiac recovery after bariatric surgery in obesity-induced

heart failure.

 Source: NIH/NCATS Mentored Career Development Award- KL2TR001438

 Role: Principal Investigator

 Dates: 4/2017-1/2019 (K08 supplanted this award)

 Total Funds: $ 273,240

 Effort: 75%

Title: The effect of sleeve gastrectomy on cardiac function in diet-induced obese rats.

Source: ASMBS

Role: Principal Investigator

Dates: 11/2016-10/2017

Total Funds: $25,000

Title: The effect of sleeve gastrectomy on post-prandial serum bile acids

Source: SAGES Research Grant

Role: Principal Investigator

Dates: 04/2015-04/2017

Total Funds: $30,000

Title: The effect of sleeve gastrectomy on post-prandial serum bile acids

Source: University of Nebraska Medical Center Clinical and Translational Research

Support Fund

Role: Principal Investigator

Dates: 01/2015-12/2016

Total Funds: $160,000

Title: DK0833205: Is GIP Involved in the Resolution of Diabetes after Gastric Bypass Source: NIH/NIDDK NRSA FK32

Role: Principal Investigator

Dates: 07/2008-07/2010

Total Funds: $116,744

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

**Local**

1. Children’s Wisconsin Herma Heart Institute, “Gut microbiota-driven improvements in cardiovascular function after bariatric surgery.” 3/2022
2. MCW Weight Management Symposium, “Adolescent Bariatric Surgery.” 10/2021
3. MCW Department of Physiology Grand Rounds, “Manipulating the gastrointestinal tract through surgery to treat obesity-related cardiovascular disease.” 4/2021
4. MCW Department of Psychiatry Grand Rounds, “Metabolic Bariatric Surgery: Pre-operative patient selection and post-operative management.” 1/2020
5. MCW Annual Diabetes Symposium, invited speaker, “Metabolic Surgery for the Treatment of Diabetes.” 5/2019
6. MCW Division of Cardiology Grand Rounds, “Manipulating the entero-cardiac axis to treat metabolic heart failure.” 6/2018
7. Children’s Hospital of Wisconsin Department of Pediatrics Grand Rounds, “Bariatric surgery as an emerging option for morbidly obese adolescents in Wisconsin: the FMLH/CHW experience.” Milwaukee, WI 02/2018
8. MCW Department of Obstetrics and Gynecology Grand Rounds, “The impact of bariatric surgery on gynecologic health and infertility.” Milwaukee, WI 11/2017
9. Albert Einstein College of Medicine Liver Seminar Series, Invited speaker “The role

of bile acids in weight loss and metabolic disease improvement after bariatric surgery.” Bronx, NY 10/2017

1. CTSI Research Seminar Series, Invited speaker “Manipulating the entero-cardiac

axis to treat obesity cardiomyopathy.” Milwaukee, WI 9/2017

1. MCW Cardiovascular Center Research Retreat, Invited speaker; “Manipulating the entero-cardiac axis as a novel treatment for heart failure.” Milwaukee, WI 4/2017
2. Albert Einstein College of Medicine Montefiore Medical Center, Department of Surgery Visiting Professor; Grand Rounds “From bariatric surgery to metabolic surgery: Is weight loss necessary?” Bronx, NY 4/2017
3. MCW Department of Physiology Seminar, “Manipulating the entero-cardiac axis to treat obesity cardiomyopathy”, Milwaukee, WI 4/2017
4. Children’s Hospital of Wisconsin Pediatric Endocrinology Conference, “Comprehensive Weight Loss Center: Adolescent Qualifications” Milwaukee, WI 10/2016
5. Medical College of Wisconsin Cardiovascular Center Seminar Series, “Is the way to better heart failure therapy through the stomach?” Milwaukee, WI 04/2016
6. “Bariatric Surgery in 2016.” St. Joseph’s Hospital Medical Staff Education Program. West Bend, WI 04/2016
7. Medical College of Wisconsin Department of Surgery Grand Rounds, “Success from our Failures: Mechanisms for weight loss after bariatric surgery” Milwaukee, WI, 2/2016
8. Milwaukee Academy of Surgery, “Bariatric Surgery in Unpopular Patient Populations.” Milwaukee, WI 2/2016
9. Northwestern Memorial Hospital Internal Medicine Grand Rounds, “An Update on Bariatric Surgery.” Chicago, IL 02/2013
10. Northwestern Memorial Hospital General Surgery Grand Rounds, “Why dieting doesn’t work but bariatric surgery does: the prevention of weight regain.” Chicago, IL 12/2012

**Regional**

1. MCW Green Bay Symposium Updates in General Surgery, “The science of obesity for dummies.” Green Bay, WI 12/2019
2. MCW Green Bay Symposium Updates in General Surgery, “Bariatric Surgery in Complex and Challenging Patients.” Green Bay, WI 12/2018
3. University of Minnesota Bariatric Education Days: An Integrated Approach to Treating Obesity Conference, Invited Speaker; “Obesity Surgery through the Lifespan,” Bloomington, MN 5/2018
4. University of Wisconsin Obesity Management Summit, Invited Speaker, “Adolescent Bariatric Surgery” Madison, WI 5/2018
5. MCW Advances in Minimally Invasive General Surgery Symposium, “Evaluation and Management of Post-Bariatric Surgery Complications.” Green Bay, WI 12/2017
6. Wisconsin ASMBS State Chapter Meeting co-chair; speaker: “Adolescent Bariatric Surgery” 11/2017
7. University of Minnesota Bariatric Education Days: An Integrated Approach to Treating Obesity Conference, Guest Speaker; “Safety and Efficacy of Modern Bariatric Procedures,” Bloomington, MN 5/2017
8. MCW Green Bay Symposium Debates and Controversies in GERD, Esophageal Motility, and Obesity Management, “Bariatric Surgery is Underutilized! Safety and Efficacy of Modern Bariatric Procedures.” Green Bay, WI 12/2016
9. 4th Annual Midwest Bariatric Summit, “Sleeve to Bypass: Does the physiology support conversion for weight loss failure?” Chicago, IL 9/23/2016
10. Update in Clinical Endocrinology Conference, “Surgical Treatment of Obesity”, Brookfield, WI 11/2015

**National**

1. ASMBS Video/Paper Palooza Session 4, Co-moderator, June 2022
2. SAGES Moderator Scientific Sessions, “Bariatric Sessions 3” March 2022
3. ACS Clinical Congress 2021, Moderator, “Bariatric/Foregut” October 2021
4. SAGES Co-chair, “Management of Reflux Pre- and Post-Bariatric Surgery”, Aug 2021
5. SAGES Moderator Scientific Sessions 11: Bariatric Foregut Video Session 2, Aug 2021
6. ASMBS Annual meeting, Top paper discussant, June 2021
7. ACS Clinical Congress 2020, Invited Speaker, “Metabolic surgery: Mechanisms and Clinical Outcomes” October 2020
8. ACS Clinical Congress 2020, Moderator, “Bariatric/Foregut” October 2020
9. SAGES 2020, Chair, “Avoiding and Managing Recidivism after Bariatric Surgery”
10. SAGES 2020, Invited Speaker, “Managing Bariatric Complications On-Call: This patient is too sick to transfer—Now what do I do?
11. SAGES 2020, Invited Speaker, “Adolescent Weight Loss Surgery- How to Get Them Through College”
12. Minimally Invasive Surgery Symposium 2020, Invited Speaker Metabolic/Bariatric Surgery Program; “How does obesity cause heart failure, effects of bariatric surgery on heart failure.”
13. Obesity Week 2019, Invited Speaker TOS/ASMBS Joint Symposium “The Pancreas, Resolution of Pancreatic Dysfunction, Predicting Surgical Risk and Diabetes Remission in the Digital Revolution” Las Vegas, NV. Nov. 2019
14. Obesity Week 2019, Invited Speaker, “Impact of metabolic surgery on end-organ complications of diabetes” Las Vegas, NV. Nov. 2019
15. Obesity Week 2019, Co-Chair, “Enhanced Recovery After Surgery” Las Vegas, NV. Nov. 2019
16. ACS Clinical Congress 2019, Co-moderator, “Bariatric Surgery/Foregut” San Francisco, CA. Oct 2019
17. SAGES 2019, Co-Chair, “Devil’s in the Details: Sleeve Gastrectomy” 4/2019
18. SAGES 2019, invited speaker, “Managing Hiatal Hernias During Gastric Bypass” 4/2019
19. SAGES 2019, invited speaker, “Laparoscopic Revision of Chronic Marginal Ulcers/Stricture” 4/2019
20. Obesity Week Nov 2018, Co-chair, “Bariatric Surgery and Mending of an Achy Breaky Heart”
21. ACS Clinical Congress Oct 2018, co-moderator, “Bariatric/Foregut”
22. ACS Quality and Safety Conference 2018, invited speaker, “Choosing and Prioritizing a QI Project.” 7/2018
23. ACS Quality and Safety Conference 2018, “Metabolic Surgery: The future of heart failure management.” 7/2018
24. SAGES 2018, Co-Chair, “The Future of Bariatrics, Diabetic Care, and Metabolic Surgery: No Weight Loss Required!” 04/2018
25. SAGES 2018, Invited Panel Speaker, “The clinical effect of bariatric surgery on diabetic cardiac dysfunction.”
26. Obesity Week 2017, Invited Speaker, “Management algorithms of Ventral/Incisional Hernias during Bariatric Surgery.”
27. ACS Quality and Safety conference 2017, Invited Speaker,” Research in Metabolic and Bariatric Surgery”
28. ACS Quality and Safety conference 2017, Invited speaker, “An Interactive Panel Session for the MBSCR”
29. SAGES 2017 Moderator, “Lets do Lunch: Gastric”
30. Obesity Week 2016, Invited Panel Sessions Speaker, “Concomitant Hiatal Hernia Repair and Sleeve Gastrectomy,”
31. ACS Clinical Congress 2015, Co-moderator, “Video Education Bariatric Surgery,”
32. ACS Clinical Congress Panel Session 2012, Co-chair, “Does the science support extending bariatric criteria to new populations?”

**International**

1. IFSO 2022, Invited Symposium Speaker, Hernias and the Morbidly Obese Patient, 08/22
2. 65th International Bariatric Club, University of Oxford, Hot Topics in Surgery Webinar, “Bariatric and Metabolic Surgery in Adolescents- A 2022 Update.” 5/10/22

**MEDICAL COLLEGE TEACHING ACTIVITIES:**

**Medical Student Education**

10/2015 – 10/2017 Junior Medical Student Curriculum Bimonthly Obesity Lecture (6

hours/year)

 7/2017-presnt 4th year elective director Multidisciplinary Care of Obesity

**Resident Education**

03/2016 Presenter, Fundamentals of Minimally Invasive Surgery, PGY3-5 General

Surgery residency core curriculum; (1 hour)

 Resident Research Elective, Hope Wilkinson (PGY3); October 2018

Project: comparison of super-super obesity to super obesity from the MBSAQIP database for post-operative outcomes

* Manuscript publication, Obesity Surgery 1/2019

Project: Does center bariatric volume improve outcomes in laparoscopic general surgery procedures?

**Community/Lay Public**

02/2016 Froedtert Hospital/MCW, Community Education “Bariatric Surgery: Myths,

Reality, and Results”

**Medical Students**

1. MCW Clinical and Translational Research Scholarly Pathways Advisor; Student- Brian Wright, 2016-17;

Project: “Significant 12-month weight loss variability after sleeve gastrectomy: one surgery does not fit all.”

* Poster presentation Obesity Week 2016, “Significant 12-month weight

loss variability after sleeve gastrectomy: one surgery does not fit all.”

1. Medical Student Summer Research Program - Jacob Patz 2017-19

Project: “The effect of peri-operative antibiotic drug class on the resolution rate of hypertension after Roux-en-Y gastric bypass and sleeve gastrectomy.”

* + Department of Surgery Fall Research Symposium 2017- podium presentation
	+ MSSRP Student Poster Presentation- October 2017
	+ Wisconsin Surgical Society Annual meeting 2017- podium presentation
	+ SAGES 2017 Annual meeting- E-poster presentation
	+ Manuscript: “Peri-operative, intravenous, clindamycin may improve the resolution rate of hypertension after Roux-en-Y gastric bypass in morbidly obese patients.” Published *Surgical Endoscopy*
1. Medical Student Summer Research Program, and Masters of Science thesis advisor in Clinical and Translational Science- Hailey Hayes 2018-2021;

Project: “The effect of farsenoid X receptor signaling in human isolated pluripotent stem cell derived cardiomyocytes.”

* + Department of Surgery Fall Research Symposium 2018- podium presentation, top podium presentation winner
	+ Wisconsin Surgical Society Annual meeting 2018- podium presentation; Winner best basic science presentation
	+ Manuscript: “Sleeve Gastrectomy in Obese Wistar Rats Improves Diastolic Function Independent of Weight Loss,” Surg Obes Relat Dis- Accepted 2019
1. MCW Scholarly Pathways Advisor QIPS; Bridget Mais; 2018-2019;

Project: Pre-Operative Regional Anesthesia Blocks Reduce Post- Operative Narcotic Medication Usage After Roux-en-Y Gastric Bypass

* Department of Surgery Fall Research Symposium 2018- podium presentation
* Wisconsin Surgical Society Annual meeting 2018- Quickshot presentation
* Manuscript in progress
1. MCW Medical Student Summer Research Program; Emily H. Lopez; 2018-2020

 Project: adolescent vs adult bariatric surgery post-operative outcomes from the MBSAQIP database

* + Quick-shot presentation Academic Surgical Congress 2020
	+ Manuscript Accepted for Publication Journal of Surgical Research
1. MCW Scholarly Pathways QIPS Advisor; Lucas Mathison; 2021-2023

Project: Impact of food insecurity impact on bariatric surgery retention and surgical outcomes

* Department of Surgery Fall Research Symposium 2021- podium presentation
* Wisconsin Surgical Society Annual meeting 2021- podium presentation
* SAGES Annual meeting 2022- poster
1. MCW Medical Student Summer Research Program; Katie Chang; 2021

 Project: The accuracy of blood volume to accurately predict prophylactic enoxaparin dosing in morbid obesity

* Department of Surgery Fall Research Symposium 2021- podium presentation
* Wisconsin Surgical Society Annual meeting 2021- podium presentation
* Academic Surgical Congress annual meeting 2022- podium presentation
1. MCW Medical Student Summer Research Program; Sona Perlin; 2022

 Project: The impact of macronutrient composition on weight loss after RYGB

**PROGRAM DEVELOPMENT:**

Froedtert Hospital/MCW/Children’s Hospital of Wisconsin Adolescent Bariatric Surgery

Program, 2015-present

Froedtert Hospital/MCW End-stage renal disease Bariatric Surgery Program,

2016-Present

Froedtert Hospital/MCW Advanced Mechanical Circulatory Support and Heart Failure in

Bariatric Surgery, 2017-present

**BIBLIOGRAPHY:**

**Refereed Journal Publications/Original Papers**

1. Fernando DG, Saravia FL, Atkinson SN, Barron M, Kirby JR, **Kindel TL**. A single, peri-operative antibiotic can persistently alter the post-operative gut microbiome after Roux-en-Y gastric bypass. Surg Endosc 2022 doi:10.1007/s00464-022-09387-4
2. Barron M, Hayes H, Fernando DG, Geurts AM, **Kindel TL**. Sleeve gastrectomy improves high-fat diet-associated hepatic steatosis independent of the glucagon-like-peptide-1 receptor in rats. J Gastrointest Surg, 2022; doi:10.1007/s11605-022-05361-6.
3. Chandratre SR, Smith NJ Walsh RW, **Kindel T**, Sundararajan SK, Joyce DL, Mohammed A. Isolated left ventricular assist device implantation produces variable changes to patient body mass index. Artif Organs 2022; online ahead of print.
4. Petcka NL, Alter-Troilo K, Hetzel E, Higgins RM, Lak KL, Gould JC, **Kindel TL**, Kastenmeier AS, Goldblatt MI. Transversus abdominis plane blocks for complex abdominal wall reconstruction decrease hospital length of stay compared to epidurals. Surg Endosc 2022; online ahead of print.
5. **Kindel TL**, Dirks RC, Collings AT, et al. Guidelines for the performance of minimally invasive splenectomy. *Surg Endosc* 2021; 35(11):5877-5888.
6. Sridhar N, Hetzel E, **Kindel TL**, Gould JC, Higgins RM. The impact of hemoglobin A1C on post-operative outcomes in bariatric surgery patients. *J Surg Res* 2021; 267:636-641.
7. Vosburg RW, Pratt JSA, **Kindel T**, et al. Bariatric surgery is safe for patients after recovery from COVID-19. Surg Obes Relat Dis 2021; 17(11):1884-1889.
8. Wilkinson KH, Wu R, Szabo A, Higgins R, Gould J, **Kindel T**. The effect of bariatric surgery volume on general surgery outcomes for morbidly obese patients. *J of Obesity* 2021; 8945091.
9. **Kindel TL**, Ganga RR, Baker JW, Noria SF, et al. American Society for Metabolic and Bariatric Surgery: Pre-operative care pathway for laparoscopic Roux-en-Y gastric bypass. *Surg Obes Relat Dis* 2021; in press.
10. **Kindel TL**, Higgins RM, Lak K, Gould J, Baumann Kreuziger L, Mohammed A, Gaglianello N, Ishizawar D. Bariatric surgery in patients with advanced heart failure: A proposed multi-disciplinary pathway for surgical care in medically complex patients. *Surgery* 2021; in press.
11. Suh S, Hetzel E, Alter-Troilo K, Lak K, Gould JC, **Kindel TL,** Higgins RM. The influence of preoperative carbohydrate loading on postoperative outcomes in bariatric surgery patients: a randomized, controlled trial. *Surg Obes Relat Dis* 2021; 24:S1550-7289(21)00204-5.
12. Ford J, **Kindel T**, Higgins RM, Lak KL, Hetzel E, Gould JC. Examining current patterns of opioid pr]escribing and use after bariatric surgery. *Surg Endosc* 2021 May 12. Doi:10.1007/s00464-021-0854405.
13. Riedl RA, Burnett CML, Pearson NA, Reho JJ, Mokadem M, Edwards RA, **Kindel TL**, Kirby JR, Grobe JL. Gut microbiota represent a major thermogenic biomass. *Function* 2021; 2(3):zqab019.
14. Albaugh VL, **Kindel TL,** Nissen SE, Aminian A. Cardiovascular risk reduction following metabolic and bariatric surgery. *Surg Clin North Am* 2021; 101(2):269-294.
15. Barron M, Atkinson S, Kirby J, **Kindel T**. Sleeve gastrectomy prevents hypertension associated with unique shifts in the gut microbiome. Surg Endos 2020; PMID:32989546.
16. Lopez EH, Munie S, Higgins R, Gould J, **Kindel T**. Morbidity and mortality after bariatric surgery in adolescents versus adults. J Surg Res 2020 Jul; 256-186.
17. Nasser H, Munie S, **Kindel TL**, Gould JC, Higgins RM. Comparative analysis of robotic versus laparoscopic revisional bariatric surgery: perioperative outcomes from the MBSAQIP database. Surg Obes Relat Dis 2020; 16(3):397-405.
18. Benjamin MM, Sundararajan S, Sulaiman S, **Kindel T**, Joyce D, Mohammed AA. Testing the obesity paradox in patients on long-term milrinone infusion for end-stage heart failure. Am J Cardiovasc Dis 2019; 9(4):59-64.
19. Suh S, Helm M, **Kindel TL**, Goldblatt MI, Gould JC, Higgins RM. The impact of nausea on post-operative outcomes in bariatric surgery patients. Surg Endosc. 2019 Aug 6. [Epub ahead of print] PMID: 31388805
20. Aleassa EM, Khorgami Z, **Kindel TL**, Tu C, Tang WHW, Schauer PR, Brethauer SA, Aminian A. [Impact of bariatric surgery on heart failure mortality.](https://www.ncbi.nlm.nih.gov/pubmed/31147281) Surg Obes Relat Dis. 2019 Jul; 15(7):1189-1196.
21. Roadman D, Helm M, Goldblatt MI, **Kindel TL**, Gould JC, Higgins RM. Postoperative Urinary Retention After Bariatric Surgery: An Institutional Analysis. J Surg Res. 2019; 243:83-89
22. Wilkinson KH, Helm M, Lak K, Higgins RM, Gould JC, **Kindel TL**. The Risk of Post-operative Complications in Super-Super Obesity Compared to Super Obesity in Accredited Bariatric Surgery Centers. Obes Surg. 2019 May 27.
23. Wallace L, Horecki EK, Helm MC, Higgins RM, Gould JC, Lak K, **Kindel TL**. Buyer's remorse: what predicts post-decision dissonance after bariatric surgery? Surg Obes Relat Dis. 2019 Mar 26
24. Hayes H, Patz J, Corbett J, Afzal MZ, Strande J, **Kindel TL**. Sleeve gastrectomy in obese Wistar rats improves diastolic function and promotes cardiac recovery independent of weight loss. Surg Obes Relat Dis. 2019 Mar 23.
25. **Kindel T**, Foster T, Harman L, Strande J. Sleeve Gastrectomy in obese, Zucker rats restores cardiac function and geometry towards a lean phenotype independent of weight-loss. *J Card Fail* 2019; PMID:30959096
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27. Helm JH, Helm MC, **Kindel TL**, Gould JC, Higgins RM. Blood transfusions increase the risk of venous thromboembolism following ventral hernia repair. *Hernia* 2019 PMID:30923979
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**INVITED COMMENTARIES**

1. **Kindel TL.** Comment on: Long-term improvement of adipocyte insulin action during body weight relapse after bariatric surgery: a longitudinal cohort study. *Surg Obes Relat Dis* 2022; 18(6):692-693.
2. **Kindel TL**. Paired Editorial: Roux-en-Y gastric bypass as a salvage solution for severe and refractory gastroparesis in malnourished patients. *Surg Obes Relat Dis* 2022; 18(5):e26-e27.
3. **Kindel TL**. Comment on: Routine preoperative resting echocardiography does not predict adverse cardiopulmonary events after bariatric surgery. *Surg Obes Relat Dis* 2021; 17(6):1138-1139.
4. **Kindel TL**. Comment on: Relationship between bariatric surgery outcomes and the preoperative gastrointestinal microbiota: a cohort study. *Surg Obes Relat Dis* 2021; 17(5):899-900.
5. **Kindel TL**. Comment on: Predictive factors of complications in revisional gastric bypass surgery: results from the Scandinavian Obesity Surgery Registry: "Roping In" the Wild West. Surg Obes Relat Dis. 2019; pii: S1550-7289(19)31072-X.
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7. **Kindel TL**, Gould J. Comment on: effects of sleeve gastrectomy on the composition and diurnal oscillation of gut microbiota related to the metabolic improvements. *Surg Obes Relat Dis*. 2018 Jun 06;14(6): 739-740.

**ORAL PRESENTATIONS (First or Last author only)**

1. Barron M, Fernando D, Saravia F, Atkinson S, Kirby J, Kindel T. The gut microbiome mediates a transferable cardiovascular benefit of sleeve gastrectomy. Presidential abstract poster of distinction, ASMBS 2022
2. Fernando D, Saravia F, Atkinson S, Barron M, Kirby J, **Kindel T**. Comparison of Intestinal Microbiome in Hypertensive Roux-en-Y Gastric Bypass Patients Receiving Two Different Peri-Operative Antibiotics. SAGES 2022
3. Chang K, Peppard W, Higgins R, **Kindel T**. Effectiveness of BMI-Guided Prophylactic Enoxaparin Dosing in Bariatric Surgery Patients. Academic Surgical Congress 2022
4. Mathson L, **Kindel T**. Impact of food insecurity impact on bariatric surgery retention and surgical outcomes. Wisconsin Surgical Society meeting 2021
5. Chang K, Peppard W, Higgins R, **Kindel T**. The accuracy of blood volume to accurately predict prophylactic enoxaparin dosing in morbid obesity. Wisconsin Surgical Society meeting 2021
6. Horecki E, Munie S, Higgins R, Gould JC, **Kindel TL**. Morbidity and Mortality following bariatric surgery in adolescents vs adults. Academic Surgical Congress 2020
7. Wilkinson KH, Lak K, Higgins R, Gould J, **Kindel T**. The effect of bariatric surgery volume on general surgery outcomes for morbidly obese patients. Academic Surgical Congress 2020
8. Wilkinson KH, Lak K, Higgins R, Gould J, **Kindel T**. The effect of bariatric surgery volume on general surgery outcomes for morbidly obese patients. Wisconsin Surgical Society meeting 2019
9. Strande, J, Corbett J, Lomberk G, **Kindel TL**. “Sleeve Gastrectomy in obese, Wistar rats improves diastolic function independent of weight loss.” Scientific Sessions, Obesity Week 2018
10. Wallace L, Helm MC, Lak K, Higgins R, Gould JC, **Kindel TL**. “Buyer’s Remorse: What predicts post-decision dissonance after bariatric surgery?” Scientific Sessions, Obesity Week 2018
11. Higgins R, Helm M, Gould J, **Kindel T**. “Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients.” Scientific Sessions, Obesity Week 2017
12. Higgins R, Helm M, Gould J, **Kindel T**. “Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients.” Scientific Sessions, ACS Quality and Safety Conference 2017
13. **Kindel TL**, Krause C, Helm M, McBride C, Oleynikov D, Thakare R, Alamoudi J, Kothari V, Kohli R, Alnouti Y. “Early weight loss after sleeve gastrectomy is significantly correlated to increased hyocholic acid.” Scientific Sessions, SAGES 2017.
14. **Kindel TL**, Jolley J, Kothari V, Oleynikov D. “Plateaued utilization of adolescent bariatric surgery despite increasing prevalence of obesity-associated co-morbidities: A National Inpatient Sample trends analysis.” Quick Shot, Digestive Disease Week 2015.
15. **Kindel TL**, Oleynikov D. “Laparoscopic repair of a Traumatic Diaphragmatic Hernia.” Video presentation, SAGES 2015.
16. **Kindel TL**, Lomelin D, Oleynikov D. “Impact of Hospital Case Volume of Robotic-assisted Laparoscopic Prostatectomy on Patient Safety.” Quick Shot, Academic Surgical Congress 2015.
17. **Kindel TL,** Kothari V, McBride C, Thompson JS**.** “The time to weight-loss steady state after gastric bypass predicts long-term weight loss success.” Scientific Sessions, Obesity Week 2014.
18. **Kindel TL,** Tadaki C, Jones R, Oleynikov D**.** “Laparoscopic repair of a Morgagni hernia.” Video presentation, American College of Surgeons Clinical Congress, October 2014.
19. **Kindel TL,** Martin E, Hungness E, Nagle A.“Fifty percent long-term failure rate of the laparoscopic-adjustable gastric band as a primary bariatric procedure.” Scientific Sessions, Obesity Week 2013.
20. **Kindel TL**, Martins P, Yoder SM, Seeley RJ, D’Alessio DA, Obici S, Tso P. “Bypassing the duodenum does not improve insulin resistance associated with diet-induced obesity in rodents.” Surgical Forum, American College of Surgeons Clinical Congress, October 2010.
21. **Kindel TL**, Yoder SM, D’Alessio DA, Seeley R, Tso P. “Duodenal-jejunal exclusion improves glucose tolerance in the diabetic, Goto-Kakizaki rat by a GLP-1 receptor mediated mechanism.” Edelstone-Bendix Research Day, Northwestern Department of Surgery, June 2009.
22. **Kindel TL,** Yoder SM, D’Alessio DA, Tso P. “The hindgut improves glucose homeostasis after metabolic surgery independent of weight loss and insulin secretion in the Goto-Kakizaki rat.” Presidential plenary session, Digestive Disease Week, Society for Surgery of the Alimentary Tract, June 2009.

**POSTER PRESENTATIONS (First or Last author only)**

1. Mathson L, **Kindel T**. Impact of food insecurity impact on bariatric surgery retention and surgical outcomes. SAGES 2022
2. Munie ST, Helm M, Gould JC, Kastenmeier A, **Kindel TL**. Safety of laparoscopic heller myotomy with concurrent gastric bypass compared to primary gastric bypass: a case-controlled analysis. SAGES 2019
3. Higgins R, Helm M, Gould J, **Kindel TL**. “Morbidity and mortality is comparable following bariatric surgery in adolescents versus adults.” Obesity Week 2017.
4. **Kindel TL**, Foster T, Goldspink P, Kindel SJ, Corbett J, Widlanksy M, Strande J. “Early weight loss independent effects of sleeve gastrectomy on diet-induced cardiac dysfunction in obese, Wistar rats.” Utah Cardiac Recovery Symposium 2017.
5. **Kindel T**, Wright B, Bosler M, Gould J. “Significant 12 month weight loss variability after sleeve gastrectomy: one surgery does not fit all.” Obesity Week 2016.
6. **Kindel TL**, Thompson J. “Cholecystectomy at the time of roux-en-y gastric bypass does not alter the one year rate of type 2 diabetes mellitus resolution or excess weight loss.” DDW 2015.
7. **Kindel TL**, Jolley J, Krause C, Bills N, Oleynikov D. “The Risk of Hiatal Hernia Recurrence after Bariatric Surgery with Concomitant Hiatal Hernia Repair.” Poster of Distinction, SAGES 2015.
8. **Kindel TL,** Kothari V, McBride C, Thompson JS**.** “The time to weight-loss steady state after gastric bypass predicts long-term weight loss success.” Top 15 ASMBS Poster, Obesity Week 2014.
9. **Kindel TL,** Kindel SJ, Nagle A**. “**Lack of knowledge regarding the risk and long-term effects of adolescent bariatric surgery is a primary determinant preventing surgical referral.” SAGES 2013.
10. **Kindel TL**, Martins P, Yoder SM, Seeley RJ, D’Alessio DA, Obici S, Tso P. “Bypassing the duodenum does not improve insulin resistance associated with diet-induced obesity in rodents.” Digestive Health Center- CCHMC Annual Scientific Research Symposium, March 2010.
11. **Kindel TL,** Yoder SM, D’Alessio DA, Tso P. “Duodenal-jejunal exclusion increases mid-jejunal GIP content in Wistar rats.” Digestive Disease Week, Society for Surgery of the Alimentary Tract, June 2009.
12. **Kindel TL,** Yang Q, Yoder S, Tso P. “Decreased Dextrin-driven Lymphatic Incretin Secretion in the Goto-Kakizaki Rat compared to the Wistar Rat”. American College of Surgeons Clinical Congress, Oct 2008.
13. **Kindel TL**, Yang Q, Yoder S, Tso P. “Re-thinking GLP-1 Secretion: The Evaluation of Lymphatic Incretin Levels after a Lipid Bolus in Diabetic Rats.” American Diabetes Association, June 2008.
14. **Kindel TL**, Keshavan P, Smith DL, Zucker SD. “Bilirubin suppresses the inflammatory response of DSS-induced acute colitis in mice.” Digestive Disease Week, American Gastroenterology Association, May 2008.

**BOOK CHAPTERS**

1. Book: Hernia Surgery, 2016 ed. Yuri Novitsky

Chapter: Laparoscopic Total Extra-peritoneal Inguinal Hernia Repair, pp 61-466.

Authors: **Tammy Kindel MD, PhD** and Dmitry Oleynikov MD

1. Book: Atlas of Esophageal Surgery

Chapter 8. Paraesophageal Hernia Repair and Collis Gastroplasty, pp 63-73.

Authors: Jennifer Jolley MD, **Tammy Kindel MD, PhD**, and Dmitry Oleynikov MD

1. Book: Gastrointestinal and Liver Disorders in Women’s Health, 1st ed 2019

Chapter 12: Obesity and Bariatric Surgery

Authors: Semeret Munie MD, **Tammy Kindel MD, PhD**

1. Book: Difficult Decisions in Bariatric Surgery, 2020 ed. John Alverdy, Yalini Vigneswaran, in press

Chapter: Does weight loss prior to surgery accurately predict success following bariatric surgery?

Authors: Maria Linnaus MD, **Tammy Kindel, MD, PhD**

1. Book: Surgical Clinics Emerging Bariatric Surgical Procedures ed S Kothari

Chapter 8: Cardiovascular risk reduction following bariatric surgery

Authors: Vance Albaugh, **Tammy Kindel,** Steven Nissen, Ali Aminian