

CURRICULUM VITAE

Tammy Lyn Kindel MD, PhD

**Associate Professor
Department of Surgery
Division of General**

OFFICE ADDRESS:

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8701 Watertown Plank Road
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EDUCATION:

08/1997 - 06/2001 BS, Wilmington College, Wilmington, OH
08/2001 - 06/2005 MD, Ohio State University College of Medicine, Columbus, OH
06/2007 - 06/2010 PhD, University of Cincinnati, Cincinnati, OH

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2005 - 06/2013 General Surgery Resident, Surgery, General Surgery, Northwestern Memorial Hospital, Chicago, IL
07/2014 - 06/2015 Minimally Invasive Surgery Fellow, Surgery, General Surgery, University of Nebraska Medical Center, Omaha, NE
09/2017 - 08/2019 CTSI of Southeast Wisconsin, Clinical Research Scholars Program

FACULTY APPOINTMENTS:

11/2013 - 06/2015 Clinical Assistant Professor of Surgery, Surgery, General Surgery, University of Nebraska Medical Center, Omaha, NE
09/01/2015 - Present Assistant Professor, Surgery, General Surgery, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

09/01/2015 - Present Assistant Professor, Surgery, Pediatric Surgery, Childrens Hospital of Wisconsin/MCW, Milwaukee, WI
09/01/2015 - Present Assistant Professor, Surgery, General Surgery, Froedtert Hospital/MCW, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Surgery	01/27/2014	12/31/2024

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Satisfactory Training in Metabolic and Bariatric Surgery	American Society of Metabolic and Bariatric Surgery	10/08/2015	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin	64165-20	06/04/2015	10/31/2019

AWARDS AND HONORS:

06/2001 Summa Cum Laude, Wilmington College, Wilmington, OH
05/2004 - 05/2006 Gamma Chapter President, Alpha Omega Alpha
05/2004 Junior member induction, Alpha Omega Alpha Honor Society 2004
06/2005 Ferguson Award in Surgery, The Ohio State University College of Medicine
06/2005 Cum Laude, The Ohio State University College of Medicine
06/2005 Glasgow-Rubin Achievement citation, American Medical Women's Association 2005
06/2008 Milestone Achievement Award, UC Pathobiology and Molecular Medicine 2008
06/2009 Open/Basic Science Research Winner, Edelstone Bendix Research Day Northwestern Department of Surgery
05/2010 2nd place poster winner, Digestive Health Center- CCHMC Annual Scientific Research Symposium; Children's Hospital and Medical Center of Cincinnati
07/2010 - 06/2013 Administrative Chief Resident, Northwestern Memorial Hospital
07/2010 - 06/2011 Residents as Teachers Award Winner, Northwestern Memorial Hospital Department of Surgery
07/2011 - 06/2012 Resident as Teachers Award Winner, Northwestern Memorial Hospital Department of Surgery
06/2012 Kanavel Scholars Award Winner, Edelstone Bendix Research Day, Northwestern Department of Surgery 2012
04/2019 SAGES Young Researcher Award , SAGES

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2009 - 2018 Society for Surgery of the Alimentary Tract (Member)
2011 - Present Society for American Gastrointestinal and Endoscopic Surgeons (SAGES) (Member)
2012 - Present The Obesity Society (Member)
2013 - Present American College of Surgeons (Fellow)
2015 - Present Association for Academic Surgery (Member)
2016 - Present Wisconsin Surgical Society (Member)
2016 - Present American Heart Association
2016 - Present American Society for Metabolic and Bariatric Surgery (ASMBS) (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Ad-Hoc Reviewer
Diabetes
BMC Obesity
Medical Science Monitor
Journal of Surgical Research
Surgical Endoscopy
Annals of Surgery
Journal of Gastrointestinal Surgery
Annals of Surgical Oncology
Surgery
Surgery for Obesity and Related Diseases

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

01/2016 - 01/2018 Leadership Council, at large position, Wisconsin State Chapter of the American Society for Metabolic and Bariatric Surgery, Wisconsin Surgical Society
11/2017 - 11/2019 Leadership Council, State Chapter of the American College of Surgeons, Wisconsin Surgical Society
01/2018 - 01/2019 Secretary/ Treasurer, Leadership Council, Wisconsin State Chapter of the American Society for Metabolic and Bariatric Surgery
04/2018 - Present Medical Director, Bariatric Surgery Program, Froedtert and Medical College of Wisconsin

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

06/2015 - Present Member, Guidelines Committee, SAGES
06/2015 - 05/2017 Member, Safety in Cholecystectomy Task Force, SAGES
01/2016 - Present Member, Research Committee, ASMBS

11/2016 - Present Member, Quality Improvement & Patient Safety Committee, ASMBS
02/2017 - 02/2019 Member, Membership Committee, Association for Academic Surgery

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

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: PI

PI: Tammy Kindel

Dates: 09/01/2018 - 08/31/2019

Direct Funds: \$70,000

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: PI

PI: Tammy Kindel

Dates: 01/15/2019 - 12/30/2022

Direct Funds: \$603,496

Prior

Peer Review

Title: Is GIP Involved in the resolution of diabetes after gastric bypass?

Source: NIH/NIDDK FK32-DK0833205

Role: PI

PI: Tammy Kindel

Dates: 07/2008 - 07/2010

Direct Funds: \$116,744

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: PI

PI: Tammy Kindel

Dates: 01/2015 - 12/2016

Direct Funds: \$160,000

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

Source: Society for American Gastrointestinal and Endoscopic Surgeons Research Grant

Role: PI

PI: Tammy Kindel

Dates: 04/2015 - 04/2017

Direct Funds: \$30,000

Title: The effect of sleeve gastrectomy on cardiac function in diet-induced obese rats
Source: American Society for Metabolic and Bariatric Surgery (ASMBS)
Role: PI
PI: Tammy Kindel
Dates: 11/2016 - 10/2017
Direct Funds: \$25,000

Title: The role of GLP-1 in cardiac recovery after bariatric surgery in obesity-induced heart failure
Source: NIH Mentored Career Development Award- KL2TR001438
Role: PI
PI: Tammy Kindel
Dates: 04/2017 - 04/2019
Direct Funds: \$273,240

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Why dieting doesn't work but bariatric surgery does: the prevention of weight regain, Northwestern Memorial Hospital General Surgery Grand Rounds, Chicago, IL, 12/2012
An Update on Bariatric Surgery, Northwestern Memorial Hospital Internal Medicine Grand Rounds, Chicago, IL, 02/2013
Bariatric Surgery in Unpopular Patient Populations, Milwaukee Academy of Surgery, Milwaukee, WI, 02/2016
Success from our Failures: Mechanisms for weight loss after bariatric surgery, Medical College of Wisconsin Department of Surgery Grand Rounds, Milwaukee, WI, 02/2016
Bariatric Surgery in 2016, St. Joseph's Hospital Medical Staff Education Program, West Bend, WI, 04/2016
Is the way to better heart failure therapy through the stomach?, Medical College of Wisconsin Cardiovascular Center Seminar Series, Milwaukee, WI, 04/2016
Comprehensive Weight Loss Center: Adolescent Qualifications, Children's Hospital of Wisconsin Pediatric Endocrinology Conference, Milwaukee, WI, 10/2016
Manipulating the entero-cardiac axis to treat obesity cardiomyopathy, MCW Department of Physiology Seminar, Milwaukee, WI, 04/2017
From bariatric surgery to metabolic surgery: Is weight loss necessary?, Albert Einstein College of Medicine Montefiore Medical Center, Department of Surgery Visiting Professor; Grand Rounds, Bronx, NY, 04/2017
Manipulating the entero-cardiac axis as a novel treatment for heart failure, MCW Cardiovascular Center Research Retreat, Invited speaker, Milwaukee, WI, 04/2017
Manipulating the entero-cardiac axis to treat obesity cardiomyopathy, CTSI Research Seminar Series, Invited Speaker, Milwaukee, WI, 09/2017
The role of bile acids in weight loss and metabolic disease improvement after bariatric surgery, Albert Einstein College of Medicine Liver Seminar Series Invited Speaker, Bronx, NY, 10/2017
The impact bariatric surgery on gynecologic health and fertility., MCW Department of Obstetrics and Gynecology Grand Rounds, Milwaukee, WI, 11/2017
Bariatric surgery as an emerging option for morbidly obese adolescents in Wisconsin: the FMLH/CHW experience, Children's Hospital of Wisconsin Department of Pediatrics Grand Rounds, Milwaukee, WI, 02/2018
Manipulating the entero-cardiac axis to treat metabolic heart failure, MCW Division of Cardiology Grand Rounds, Milwaukee, WI, 06/2018
Metabolic Surgery for the Treatment of Diabetes, 1. MCW Annual Diabetes Symposium, invited speaker, Milwaukee, WI, 05/2019

Regional

Surgical Treatment of Obesity, Update in Clinical Endocrinology, Brookfield, WI, 11/07/2015
Sleeve to Bypass: Does the physiology support conversion for weight loss failure?, 4th Annual Midwest Bariatric Summit, Chicago, IL, 09/23/2016
Bariatric Surgery is Underutilized! Safety and Efficacy of Modern Bariatric Procedures, MCW Green Bay Symposium Debates and Controversies in GERD, Esophageal Motility, and Obesity Management, Green Bay, WI, 12/2016
Safety and Efficacy of Modern Bariatric Procedures, University of Minnesota Bariatric Education Days: An Integrated Approach to Treating Obesity Conference, Guest Speaker, Bloomington, MN, 05/2017
Adolescent Bariatric Surgery, Wisconsin ASMBS State Chapter Meeting co-chair; speaker, Kohler, WI, 11/2017
Evaluation and Management of Post-Bariatric Surgery Complications, MCW Advances in Minimally Invasive General Surgery Symposium, Green Bay, WI, 12/2017
Obesity Surgery through the Lifespan, University of Minnesota Bariatric Education Days: An Integrated Approach to Treating Obesity Conference, Invited Speaker, Bloomington, MN, 05/2018
Adolescent Bariatric Surgery, University of Wisconsin Obesity Management Summit, Invited Speaker, Madison, WI, 05/2018
Bariatric Surgery in Complex and Challenging Patients, MCW Green Bay Symposium Updates in General Surgery, Green Bay, WI, 12/2018

National

Does the science support extending bariatric criteria to new populations?, American College of Surgeons Clinical Congress Panel Session 2012, Co-chair, Chicago, IL, 10/2012
Video Education Bariatric Surgery, American College of Surgeons Clinical Congress 2015, Co-moderator, Chicago, IL, 10/2015
Concomitant Hiatal Hernia Repair and Sleeve Gastrectomy, Obesity Week 2016, Invited Panel Sessions Speaker, New Orleans, LA, 11/2016
Lets do Lunch: Gastric, SAGES 2017 Annual Meeting Moderator, Houston, TX, 03/2017
Research in Metabolic and Bariatric Surgery, ACS Quality and Safety conference 2017, Invited Speaker, San Diego, CA, 10/2017
An Interactive Panel Session for the MBSCR, ACS Quality and Safety conference 2017, Invited speaker, San Diego, CA, 10/2017
The clinical effect of bariatric surgery on diabetic cardiac dysfunction, SAGES Annual Meeting 2018, Invited Panel Speaker, Seattle, WA, 04/2018
The Future of Bariatrics, Diabetic Care, and Metabolic Surgery: No Weight Loss Required!, SAGES Annual Meeting 2018, Co-Chair, Seattle, WA, 04/2018
Understanding the Gut Physiology in Selecting the Right Procedure, ACS Quality and Safety Conference 2018, Orlando, FL, 07/2018
Choosing and Prioritizing a QI Project, ACS Quality and Safety Conference 2018, invited speaker, Orlando, FL, 07/2018
Bariatric/Foregut Session co-moderator, American College of Surgeons (ACS) Clinical Congress, Boston, MA, 10/2018
Management algorithms of Ventral/Incisional Hernias during Bariatric Surgery, Obesity Week 2017, Invited Speaker, Washington DC, 11/2018
Obesity, Bariatric Surgery and mending of an Achy Breaky Heart, Obesity Week Nov 2018, Co-chair, Nashville, TN, 11/2018
Devil's in the Details: Sleeve Gastrectomy, SAGES Annual Meeting, Co-Chair, Baltimore, MD, 04/2019
Managing Hiatal Hernias During Gastric Bypass, SAGES Annual Meeting, Invited Speaker, Baltimore, MD, 04/2019
Laparoscopic Revision of Chronic Marginal Ulcers/Stricture, SAGES Annual Meeting Invited Speaker, Baltimore, MD, 04/2019

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

Local

Kindel TL, Yoder SM, D'Alessio DA, Seeley R, Tso P, Oral Presentation - 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, Chicago, IL, 06/2009

Regional

Kindel TL, Martins P, Yoder SM, Seeley RJ, D'Alessio DA, Obici S, Tso P, Poster Presentation - Bypassing the duodenum does not improve insulin resistance associated with diet-induced obesity in rodents, Digestive Health Center- CCHMC Annual Scientific Research Symposium, 03/2010

Kindel TL, Foster T, Goldspink P, Kindel SJ, Corbett J, Widlanksy M, Strande J, Poster Presentation - Early weight loss independent effects of sleeve gastrectomy on diet-induced cardiac dysfunction in obese, Wistar rats, Utah Cardiac Recovery Symposium, Salt Lake City, UT, 01/2017

National

Kindel TL, Keshavan P, Smith DL, Zucker SD, Poster Presentation - Bilirubin suppresses the inflammatory response of DSS-induced acute colitis in mice, Digestive Disease Week, American Gastroenterology Association, San Diego, CA, 05/2008

Kindel TL, Yang Q, Yoder S, Tso P, Poster presentation - Re-thinking GLP-1 Secretion: The Evaluation of Lymphatic Incretin Levels after a Lipid Bolus in Diabetic Rats, American Diabetes Association, 10/2008

Kindel TL, Yang Q, Yoder S, Tso P, Poster presentation- Decreased Dextrin-driven Lymphatic Incretin Secretion in the Goto-Kakizaki Rat compared to the Wistar Rat, American College of Surgeons Clinical Congress Annual Meeting, San Francisco, CA, 10/2008

Kindel TL, Yoder SM, D'Alessio DA, Tso P, Oral Presentation - The hindgut improves glucose homeostasis after metabolic surgery independent of weight loss and insulin secretion in the Goto-Kakizaki rat, Digestive Disease Week 2009, Chicago, IL, 06/2009

Kindel TL, Yoder SM, D'Alessio DA, Tso P, Poster presentation - Duodenal-jejunal exclusion increases mid-jejunal GIP content in Wistar rats, Digestive Disease Week (DDW), Society for Surgery of the Alimentary Tract, Chicago, IL, 06/2009

Kindel TL, Martins P, Yoder SM, Seeley RJ, D'Alessio DA, Obici S, Tso P., Oral Presentation - Bypassing the duodenum does not improve insulin resistance associated with diet-induced obesity in rodents, American College of Surgeons Clinical Congress 2010, Washington DC, 10/2010

Kindel TL, Kindel SJ, Nagle A, Poster presentation - Lack of knowledge regarding the risk and long-term effects of adolescent bariatric surgery is a primary determinant preventing surgical referral, SAGES Annual Meeting 2013, Baltimore, MD, 04/2013

Kindel TL, Martin E, Hungness E, Nagle A, Oral Presentation- Fifty percent long-term failure rate of the laparoscopic-adjustable gastric band as a primary bariatric procedure, Obesity Week 2013, Atlanta, GA, 10/2013

Kindel TL, Tadaki C, Jones R, Oleynikov D., Video Presentation- Laparoscopic repair of a Morgagni hernia, American College of Surgeons Clinical Congress 2014, San Diego, CA, 10/2014

Kindel TL, Kothari V, McBride C, Thompson JS., Oral Presentation- The time to weight-loss steady state after gastric bypass predicts long-term weight loss success, Obesity Week 2014, Boston, MA, 11/2014

Kindel TL, Kothari V, McBride C, Thompson JS, Poster presentation - The time to weight-loss steady state after gastric bypass predicts long-term weight loss success, Obesity Week 2014; Top 15 ASMBS poster, Boston, MA, 11/2014

Kindel TL, Lomelin D, Oleynikov D., Oral Presentation- Impact of Hospital Case Volume of Robotic-assisted Laparoscopic Prostatectomy on Patient Safety, Academic Surgical Congress 2015, Las Vegas, NV, 02/2015

Kindel TL, Oleynikov D, Video Presentation- Laparoscopic repair of a Traumatic Diaphragmatic Hernia, SAGES 2015, Nashville, TN, 04/2015

Kindel TL, Jolley J, Krause C, Bills N, Oleynikov D, Poster presentation - The Risk of Hiatal Hernia Recurrence after Bariatric Surgery with Concomitant Hiatal Hernia Repair, SAGES 2015; Poster of distinction, Nashville, TN, 04/2015

Kindel TL, Jolley J, Kothari V, Oleynikov D., Oral Presentation- Plateaued utilization of adolescent bariatric surgery despite increasing prevalence of obesity-associated co-morbidities: A National Inpatient Sample trends analysis, DDW 2015, Washington DC, 05/2015

Kindel TL, Thompson J, Poster presentation - 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,

Washington DC, 05/2015
Kindel T, Wright B, Bosler M, Gould J, Poster presentation - Significant 12 month weight loss variability after sleeve gastrectomy: one surgery does not fit all, Obesity Week 2016, New Orleans, LA, 11/2016
Kindel TL, Krause C, Helm M, McBride C, Oleynikov D, Thakare R, Alamoudi J, Kothari V, Kohli R, Alnouti Y, Oral Presentation- Early weight loss after sleeve gastrectomy is significantly correlated to increased hyocholic acid, Scientific Sessions, SAGES 2017, Houston, TX, 03/2017
Higgins R, Helm M, Gould J, Kindel T, Oral Presentation - Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients, Scientific Sessions, ACS Quality and Safety Conference 2017, San Diego, CA, 10/2017
Higgins R, Helm M, Gould J, Kindel TL, Poster presentation - Morbidity and mortality is comparable following bariatric surgery in adolescents versus adults, Obesity Week 2017, Washington DC, 11/2017
Higgins R, Helm M, Gould J, Kindel T, Oral Presentation - Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients, Scientific Sessions, Obesity Week 2017, Washington DC, 11/2017
Wallace L, Helm MC, Lak K, Higgins R, Gould JC, Kindel TL, Oral Presentation - Buyer's Remorse: What predicts post-decision dissonance after bariatric surgery?, Scientific Sessions, Obesity Week 2018, Nashville, TN, 11/2018
Strande, J, Corbett J, Lomberg G, Kindel TL, Oral Presentation - Sleeve Gastrectomy in obese, Wistar rats improves diastolic function independent of weight loss, Scientific Sessions, Obesity Week 2018, Nashville, TN, 11/2018

MEDICAL COLLEGE TEACHING ACTIVITIES:

Community/Lay Public

02/2016 Community Education- Bariatric Surgery: Myths, Reality, and Results

Medical Student Education

10/2015 - 10/2017 Junior Medical Student Curriculum Bimonthly Obesity Lecture

Resident and Fellow Education

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

SAGES Curriculum

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

Brian Wright, Medical College of Wisconsin, 2016 - 2017 M3 Clinical and Translational Research Scholarly Pathways Advisor, Project: Significant 12- month weight loss variability after sleeve gastrectomy: one surgery does not fit all

Jacob Patz, Medical College of Wisconsin, 2017 - 2019 Summer Research Program, Project: "Intracellular myocyte signaling changes after sleeve gastrectomy in diet-induced obese rats."

Hailey Hayes, Medical College of Wisconsin, 05/2018 - 08/2018 Summer Research Program, Project: "The effect of farnesoid X receptor signaling in human isolated pluripotent stem cell derived cardiomyocytes."

Emily Horecki, Medical College of Wisconsin, 2018 - Present Summer Research Program, Project: adolescent vs adult bariatric surgery post-operative outcomes from the MBSAQIP database

Bridget Mais, Medical College of Wisconsin, 2018 - Present Pathways Advisor QIPS, Project: "The utility of pre-operative regional abdominal nerve blocks on post-operative outcomes after Roux-en-Y gastric bypass."

PROGRAMMATIC DEVELOPMENTS:

Clinical Programs

09/01/2015 - Present CHW Adolescent Bariatric Surgery Program

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Troike D, Bradfield L, Buhiru J, Hogan V, Venema T, Nance R. Dehydroepiandrosterone (DHEA) increases serum sodium concentration in mice Ohio Journal of Science. 2001 101:1-10.
2. Bhatt UY, Sferra TJ, Johnson A, Williams C, Shirey K, Venema T, Nuovo GJ, Nahman NS Jr. Glomerular beta-galactosidase expression following transduction with microsphere-adenoviral complexes. *Kidney Int.* 2002 Jan;61(1 Suppl):S68-72.
3. Camacho D, Reichenbach D, Duerr GD, Venema TL, Sweeney JF, Fisher WE. Value of laparoscopy in the staging of pancreatic cancer. *JOP.* 2005 Nov 10;6(6):552-61.
4. Kindel TL, Yang Q, Yoder SM, Tso P. Nutrient-driven incretin secretion into intestinal lymph is different between diabetic Goto-Kakizaki rats and Wistar rats. *Am J Physiol Gastrointest Liver Physiol.* 2009 Feb;296(2):G168-74. PMID: PMC2643916
5. Kindel TL, Yoder SM, Seeley RJ, D'Alessio DA, Tso P. Duodenal-jejunal exclusion improves glucose tolerance in the diabetic, Goto-Kakizaki rat by a GLP-1 receptor-mediated mechanism. *J Gastrointest Surg.* 2009 Oct;13(10):1762-72.
6. Yoder SM, Yang Q, Kindel TL, Tso P. Stimulation of incretin secretion by dietary lipid: is it dose dependent? *Am J Physiol Gastrointest Liver Physiol.* 2009 Aug;297(2):G299-305. PMID: PMC2724086
7. Kindel TL, Yoder SM, D'Alessio DA, Tso P. The effect of duodenal-jejunal bypass on glucose-dependent insulinotropic polypeptide secretion in Wistar rats. *Obes Surg.* 2010 Jun;20(6):768-75. PMID: PMC3761799
8. Lo CM, King A, Samuelson LC, Kindel TL, Rider T, Jandacek RJ, Raybould HE, Woods SC, Tso P. Cholecystokinin knockout mice are resistant to high-fat diet-induced obesity. *Gastroenterology.* 2010 May;138(5):1997-2005. PMID: PMC3049264
9. Kindel T, Lee DM, Tso P. The mechanism of the formation and secretion of chylomicrons. *Atheroscler Suppl.* 2010 Jun;11(1):11-6.
10. Yoder SM, Yang Q, Kindel TL, Tso P. Differential responses of the incretin hormones GIP and GLP-1 to increasing doses of dietary carbohydrate but not dietary protein in lean rats. *Am J Physiol Gastrointest Liver Physiol.* 2010 Aug;299(2):G476-85. PMID: PMC2928540
11. Yoder SM, Kindel TL, Tso P. Using the lymph fistula rat model to study incretin secretion. *Vitam Horm.* 2010;84:221-49.
12. Kindel TL, Martins PJ, Yoder SM, Jandacek RJ, Seeley RJ, D'Alessio DA, Obici S, Tso P. Bypassing the duodenum does not improve insulin resistance associated with diet-induced obesity in rodents. *Obesity (Silver Spring).* 2011 Feb;19(2):380-7. PMID: PMC3144555
13. Wang F, Kohan AB, Kindel TL, Corbin KL, Nunemaker CS, Obici S, Woods SC, Davidson WS, Tso P. Apolipoprotein A-IV improves glucose homeostasis by enhancing insulin secretion. *Proc Natl Acad Sci U S A.* 2012 Jun 12;109(24):9641-6. PMID: PMC3386109
14. Kindel T, Martin E, Hungness E, Nagle A. High failure rate of the laparoscopic-adjustable gastric band as a primary bariatric procedure. *Surg Obes Relat Dis.* 2014;10(6):1070-5.
15. Kindel TL, MacGregor K, Keswani R, Mahvi D. "Endoscopic closure of a post-operative duodenal fistula." *CRSLS e2014.00368.* DOI:10.4293/CRSLS.2014.00368.
16. Kindel TL, McBride CM. "Acute Complications of Bariatric surgery." *Bariatric Times.* May 2015.
17. Wang F, Yoder SM, Yang Q, Kohan AB, Kindel TL, Wang J, Tso P. Chronic high-fat feeding increases GIP and GLP-1 secretion without altering body weight. *Am J Physiol Gastrointest Liver Physiol.* 2015 Nov 15;309(10):G807-15. PMID: PMC4652142
18. Zucker SD, Vogel ME, Kindel TL, Smith DL, Idelman G, Avissar U, Kakarlapudi G, Masnovi ME. Bilirubin prevents acute DSS-induced colitis by inhibiting leukocyte infiltration and suppressing upregulation of inducible nitric oxide synthase. *Am J Physiol Gastrointest Liver Physiol.* 2015 Nov 15;309(10):G841-54. PMID: PMC4652140
19. Kindel T, Latchana N, Swaroop M, Chaudhry UI, Noria SF, Choron RL, Seamon MJ, Lin MJ, Mao M, Cipolla J, El Chaar M, Scantling D, Martin ND, Evans DC, Papadimos TJ, Stawicki SP. Laparoscopy in trauma: An overview of complications and related topics. *Int J Crit Illn Inj Sci.* 2015;5(3):196-205.

PMCID: PMC4613419

20. Kindel TL, Lomelin D, McBride C, Kothari V, Oleynikov D. Plateaued national utilization of adolescent bariatric surgery despite increasing prevalence of obesity-associated co-morbidities. *Surg Obes Relat Dis.* 2016 May;12(4):868-873.
21. Kindel T, Lomelin D, McBride C, Kothari V, Thompson J. The Time to Weight-Loss Steady State After Gastric Bypass Predicts Weight-Loss Success. *Obes Surg.* 2016 Feb;26(2):327-31.
22. Kindel TL, Oleynikov D. The Improvement of Gastroesophageal Reflux Disease and Barrett's after Bariatric Surgery. *Obes Surg.* 2016 Apr;26(4):718-20.
23. Szewczyk J, Giannone J., Marcuard S., Kindel T, Tso P, Nolan R. Colonic delivery of nutrients for management of blood glucose in type 2 diabetes patients *Functional Foods in Health and Disease.* 2017; 7(1): 36-53.
24. 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. *Obes Surg.* 2017 Sep;27(9):2370-2377. PMCID: PMC5937684
25. Helm MC, Simon K, Higgins R, Kindel TL, Gould JC. Perioperative complications increase the risk of venous thromboembolism following bariatric surgery. *Am J Surg.* 2017 Dec;214(6):1135-1140.
26. Helm MC, Simon K, Higgins R, Kindel TL, Gould JC. Discussion of: "Perioperative complications increase the risk of venous thromboembolism following bariatric surgery". *Am J Surg.* 2017 Dec;214(6):1141-1142.
27. Kindel TL, Krause C, Helm MC, McBride CL, Oleynikov D, Thakare R, Alamoudi J, Kothari V, Alnouti Y, Kohli R. Increased glycine-amidated hyocholic acid correlates to improved early weight loss after sleeve gastrectomy. *Surg Endosc.* 2018 Feb;32(2):805-812. PMCID: PMC5844265
28. Kindel TL, Strande JL. Bariatric surgery as a treatment for heart failure: review of the literature and potential mechanisms. *Surg Obes Relat Dis.* 2018 Jan;14(1):117-122. PMCID: PMC5748002
29. Nielsen AW, Helm MC, Kindel T, Higgins R, Lak K, Helmen ZM, Gould JC. Perioperative bleeding and blood transfusion are major risk factors for venous thromboembolism following bariatric surgery. *Surg Endosc.* 2018 May;32(5):2488-2495.
30. Helmen ZM, Helm MC, Helm JH, Nielsen A, Kindel T, Higgins R, Gould JC. Predictors of Postoperative Urinary Tract Infection After Bariatric Surgery. *Obes Surg.* 2018 Jul;28(7):1950-1954.
31. Higgins RM, Helm M, Gould JC, Kindel TL. Preoperative immobility significantly impacts the risk of postoperative complications in bariatric surgery patients. *Surg Obes Relat Dis.* 2018 Jun;14(6):842-848.
32. Clark LN, Helm MC, Higgins R, Lak K, Kastenmeier A, Kindel T, Goldblatt M, Gould JC. The impact of preoperative anemia and malnutrition on outcomes in paraesophageal hernia repair. *Surg Endosc.* 2018 Nov;32(11):4666-4672.
33. 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;14(6):739-740.
34. Reneau J, Goldblatt M, Gould J, Kindel T, Kastenmeier A, Higgins R, Rengel LR, Schoyer K, James R, Obi B, Moosreiner A, Nicholson K, Sahoo D, Kidambi S. Effect of adiposity on tissue-specific adiponectin secretion. *PLoS One.* 2018;13(6):e0198889. PMCID: PMC6010237
35. Villard MA, Helm MC, Kindel TL, Goldblatt MI, Gould JC, Higgins RM. C-Reactive protein as a predictor of post-operative complications in bariatric surgery patients. *Surg Endosc.* 2019 Aug;33(8):2479-2484.
36. Roadman D, Helm M, Goldblatt MI, Kastenmeier A, Kindel TL, Gould JC, Higgins RM. Postoperative urinary retention after laparoscopic total extraperitoneal inguinal hernia repair. *J Surg Res.* 2018 Nov;231:309-315.
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Books, Chapters, and Reviews

1. Book: Current Principles of Surgery of the Abdominal Wall Chapter: Laparoscopic Total Extra-peritoneal Inguinal Hernia Repair, pp 61-446 Authors: Tammy Kindel MD, PhD and Dmitry Oleynikov MD
2. 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