Date of Document: November 7, 2026

# CURRICULUM VITAE

## Rana Higgins MD

**Associate Professor**
**Department of Surgery**
**Division of Surgery Minimally Invasive and Gastrointestinal**

**OFFICE ADDRESS:**

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Milwaukee, WI 53226
Fax: 414-955-0085

**EDUCATION:**

08/2002 - 05/2006 Bachelor of Arts in Chemistry, Minor in Italian, Duke University, Durham, NC
08/2006 - 06/2010 Doctor of Medicine, Loyola University Chicago, Stritch School of Medicine, Maywood, IL

**POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

07/2010 - 06/2015 Residency, General Surgery, Rush University Medical Center/ Stroger Cook County Hospital, Chicago, IL
07/2015 - 06/2016 Fellowship, Minimially Invasive and Bariatric Surgery, Medical College of Wisconsin, Milwaukee, WI
04/2018 - Present Surgical Education Research Fellowship program (SERF), The Association for Surgical Education

**FACULTY APPOINTMENTS:**

08/2016 - Present Assistant Professor, General Surgery, VA Zablocki Medical Center, Milwaukee, WI
08/2016 - Present Assistant Professor, General Surgery, Medical College of Wisconsin, Milwaukee, WI

**EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:**

12/2017 - Present Associate Program Director, General Surgery Residency Program, Medical College of Wisconsin, Milwaukee, WI 53226

**HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

08/2016 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Avenue, Milwaukee, WI 53226
08/2016 - Present Clement J Zablocki VA Medical Center, 5000 W. National Avenue, Milwaukee,, WI 53295

**SPECIALTY BOARDS AND CERTIFICATION:**

| Board Certified | Issue Date | Expiration |
|---|---|---|
| American Board of Surgery | 11/17/2015 | 12/31/2026 |

| Certificates | Issued By | Issue Date | Expiration |
|---|---|---|---|
| Fundamentals of Laparoscopic Surgery | SAGES | 03/2015 | None |
| Fundamentals of Endoscopic Surgery | SAGES | 06/2016 | None |
| SAGES Fellowship | SAGES | 07/2016 | None |

| | | | |
|---|---|---|---|
| ASMBS Fellowship | ASMBS | 11/2016 | None |
| Basic Life Support | AHA | 06/2018 | 06/2020 |
| FASMBS | ASMBS | 09/2018 | None |
| FACS | ACS | 10/2018 | None |

| Licensure | Number | Issue Date | Expiration |
|---|---|---|---|
| Illinois | 036-132432 | 07/01/2010 | 07/01/2015 |
| Wisconsin | 63485-20 | 01/15/2015 | 10/31/2021 |

**AWARDS AND HONORS:**

09/2009 Alpha Omega , Alpha Honor Medical Society
05/2010 Faculty Award for Excellence in Basic Sciences, Stritch School of Medicine (SSOM)
05/2010 Faculty Award for Excellence First and Second Year Curriculum, Stritch School of Medicine (SSOM)
06/2011 Categorical Surgical Intern of the Year, Rush University Medical
06/2012 Resident Teaching Award, Rush University Medical Center
06/2013 - 06/2015 Administrative Chief Resident, Rush University Medical Center
09/2014 Honorable Mention for Scientific Paper by a Resident, MIS Week
01/2018 Outstanding Medical Student Teach Award 2016-2017, Medical College of WI
06/2018 Department of Surgery Outstanding Educator Award, Medical College of WI
07/2018 Early Career Women Faculty Leadership Development Seminar, AAMC
10/2018 Outstanding Medical Student Teacher Award 2017-2018, Medical College of Wisconsin

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

09/2009 - Present Alpha Omega Alpha Honor Medical Society
10/2009 - Present American College of Surgeons (Associate Fellow)
07/2010 - Present American Medical Association
10/2013 - Present Society of American Gastrointestinal and Endoscopic Surgeons ( Member)
08/2016 - Present Wisconsin Surgical Society (Associate Member)
08/2016 - Present American Hernia Society
10/2016 - Present Association for Academic Surgery
10/2016 - Present American Society for Metabolic and Bariatric Surgery
10/2016 - Present International Federation for the Society of Obesity and Metabolic Disorders
12/2016 - Present Obesity Action Coalition
12/2016 - Present Milwaukee Academy of Surgery
02/2017 - Present Wisconsin Medical Society
06/2017 - Present Association for Surgical Education
12/2017 - Present The Society for Surgery of the Alimentary Tract (Member)
04/2018 - Present Association of Women Surgeons
11/2018 - Present Association of Program Directors in Surgery
04/2019 - Present Central Surgical Association

**EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Editorial Board
07/2017 - Present Faculty editor, Leading the Way: MCW Department of Surgery Newsletter
Ad-Hoc Reviewer
01/2017 - Present Surgical Endoscopy
05/2017 - Present Surgical Laparoscopy, Endoscopy, and Percutaneous Techniques
06/2017 - Present Obesity Surgery
01/2018 - Present Journal of Surgical Research
03/2019 - Present Langenbecks Archives of Surgery

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

10/2016 - Present Member, Department of Surgery Student Education Committee, Medical College of Wisconsin

10/2017 - Present Chairperson, Department of Surgery Radio Advisory Committee, Medical College of Wisconsin
01/2018 - Present Member, Department of Surgery Resident Clinical Competency Committee, Medical College of Wisconsin
01/2018 - Present Member, Robotic Surgery Committee, Medical College of Wisconsin
03/2018 - Present Member, Department of Surgery - Grand Rounds Committee, Medical College of Wisconsin
03/2018 - Present Member, Department of Surgery- Program Evaluation Committee, Medical College of Wisconsin
07/2019 - Present Representative, Faculty Council, Department of Surgery, Medical College of Wisconsin

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

08/2016 - 07/2020 Member, Program Committee, SAGES
02/2017 - 08/2019 Member, Program Committee, Association for Academic Surgery
07/2017 - Present Member, Resident and Fellow Training Committee, SAGES
07/2018 - Present Member, Robotics Committee, SAGES
02/2019 - Present Member, Education Committee, Americas Hernia Society
03/2019 - Present Member, Quality Collaborative Opioid Reduction Task Force, Americas Hernia Society
03/2019 - Present Member, Conference Committee, Association of Women Surgeons
07/2019 - Present Member, Resident/Fellow Committee, Americas Hernia Society
08/2019 - 06/2020 Member, Resident and Fellow Education Committee, SSAT
2019 Co-Chair, Poster, SAGES 2019 National Meeting
03/2020 - Present Member, Re-imagining the Practice of Surgery Task Force, SAGES
03/2020 - Present Member, Publications Committee, Association for Academic Surgery
04/2020 - Present Member, Graduate Surgical Education Committee, The Association for Surgical Education
07/2020 - Present Member, Hernia Committee, SAGES
09/2020 - Present Member, Quality Improvement Committee, Abdominal Core Health Quality Collaborative
2020 Chair, Poster, SAGES 2020 National Meeting

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

**National**

Higgins,R, Ventral Hernia Management in the Morbidly Obese Patient, Presented at Americas Hernia Society Annual Conference, Las Vegas, NV, 03/2019
Higgins, R, Robotic Sleeve Gastrectomy, Presented at SAGES Annual Conference, Baltimore, MD, 04/2019
Higgins, R, ERAS for Gastric Bypass, Presented at SAGES Annual Conference, Baltimore, MD, 04/2019
Higgins, R, Robotic Bariatric Surgery Revision for Weight Recidivism, Presented at SAGES Annual Conference, Baltimore, MD, 04/2019
Higgins, R, Minimally Invasive Intraperitoneal Onlay Mesh (IPOM) ventral hernia repair., Americas Hernia Society Virtual Library, recorded., 06/2020
Higgins, R, Quality of Life and the Use of Surgical Applications in Hernia Repair., Americas Hernia Society Virtual Library, recorded, 06/2020
Higgins, R, Preoperative Evaluation., SCORE School Webinar, 07/2020
Higgins, R, Current Applications of the Robotic Platform in General and Bariatric Surgery, Presented at Virtual SAGES annual Conference., Cleveland, OH, 08/2020
Higgins, R, Masters Foregut: Paraesophageal Hernias, Partial Fundoplication., Presented at Virtual SAGES Annual Conference, Cleveland, OH, 08/2020
Higgins, R, What's the Appropriate Work-up for GERD Prior to Surgery in an Obese Population?", Virtual SAGES Annual Conference, Cleveland, OH, 08/2020
Higgins, R, Diversity in Surgical Practice: The Life of an Academic Surgeon, Presented at Virtual Association of Women Surgeons Annual Conference, 09/2020

**Regional**

Higgins R, The Past, Present and Future of Bariatric Surgery, Wisconsin Academy of Physician Assistants Great Midwestern Medical Conference, Kohler, WI, 10/2019

**Local**

Higgins,R, Bariatric Surgery: Where we've been and where we're going., Presented at the Wisconsin Surgical

Club Meeting, Medical College of Wisconsin, Milwaukke, WI, 09/2016

Higgins,R, Complex Hiatal Closures in Foregut Surgery., Presented at the Hernia, Foregut, and Colorectal Surgery Symposium, Medical College of Wisconsin, Milwaukee, WI, 09/2016

Higgins,R, The Past, Present, and Future of Bariatric Surgery., Presented at the Department of Surgery Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 03/2017

Higgins,R, The Current and Future Status Bariatric Surgery., Presented at the Medical College of Wisconsin Advances IN Minimally Invasive General Surgery Symposium, Green Bay, WI, 12/2017

Higgins,R, Robotic Hernia Repair., Presented at the Medical College of Wisconsin Advances in Minimally Invasive General Surgery Symposium., Green Bay, WI, 12/2017

Higgins, R, Bariatric Surgery Post-op Considerations and Complications, Presented at Medical College of Wisconsin Emergency Medicine Grand Rounds, Milwaukee, WI, 07/2018

Higgins, R, Inguinal Hernia – Open, Laparoscopic or Robotic?, Presented at the Medical College of Wisconsin Updates in General Surgery Symposium, Green Bay, WI, 12/2018

Higgins R, Innovations in Hernia Surgery: What We've Learned and Where We're Going, MCW Alumni Senior Physicians Symposium, Milwaukee, WI, 05/2019

Higgins R, Ventral Hernia – Open, Laparoscopic or Robotic?, Medical College of Wisconsin Updates in General Surgery Symposium, Green Bay, WI, 12/2019

Higgins R, Obesity, Metabolic and Bariatric Surgery, Medical College of Wisconsin Sleep Medicine Grand Rounds, Milwaukee, WI, 12/2019

**PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

**National**

Higgins RM, Saeed M, Daly S, Pinzon M, Francescatti A, Millikan KW, Myers JA, Bines SF, Luu MB, Does initial laparoscopic cholecystectomy influence the outcomes of definitive oncologic resection for gallbladder cancer?, Society for Surgery of the Alimentary Tract Conference (SSAT). Abstract Poster Presentation, Orlando, FL, 05/2013

Higgins RM, Kubasiak JC, Jacobson RA, Janssen I, Myers JA, Millikan KW, Deziel DJ, Luu MB, Outcomes of Laparoscopic Veruss Open Gastric Cancer Resection, Society of Laparoendoscopic Surgeons Annual Meeting, Minimally Invasive Surgery Week. Podium Presentation, Las Vegas, NV, 09/2014

Higgins RM, Kubasiak JC, Luu MB, Frantzides C, Laparoscopic Revision of Failed Bariatric Procedures: A series of 227 cases, Society of Laparoendoscopic Surgeons Annual Meeting, Minimally Invasive Surgery Week. Podium Presentation, Las Vegas, NV, 09/2014

Higgins RM, Deal RA, Rinewalt D, Hollinger EF, Janssen I, Poirier J, Austin D, Rendina M, Francescatti A, Myers JA, Millikan KW, Luu MB, The utility of mock oral examinations in preparation for the American Board of Surgery certifying examination, The Association for Surgical Education, Surgical Education Week. Podium Presentation, Seattle, WA, 04/2015

Higgins RM, Bosler ME, Schyumm M, Felich MJ, Gould JC, Mesh at the hiatus in revisional surgery for failed fundoplication: A case-control evaluation., SAGES Podium Presentation, Boston, MA, 03/2016

Higgins RM, Frelich MJ, Bosler ME, Gould JC, Cost analysis of robotic versus laparoscopic general surgery, SAGES Podium Presentation, Boston, MA, 03/2016

Higgins RM, Helm MC, Gould JC, Kindel TL, Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients., Podium and poster presentation at ACS Quality and Safety Conference, New York, NY, 07/2017

Higgins RM, Helm MC, Kindel TL, Gould JC, Perioperative blood transfusion increases risk of surgical site infection following bariatric surgery., Poster presentation at ACS Quality and Safety Conference, Ney York, NY, 07/2017

Lak KL, Helm MC, Higgins RM, Kindel TL, Gould JC, Preoperative functional health status is a predictor of postoperative morbidity and mortality following bariatric surgery., Poster presentation at ASMBS Obesity Week Conference, Washington DC, 10/2017

Higgins RM, Gould JC, Kindel TK, Morbidity and mortality is comparable following bariatric surgery in adolescents versus adults., Poster Presentation at ASMBS Obesity Week Conference, Washington DC, 10/2017

Higgins RM, Helm MC, Gould JC, Kindel TL, Preoperative immobility significantly impacts the risk of post-operative complications in bariatric surgery patients., Podium Presentation at ASMBS Obesity Week Conference, Washington DC, 10/2017

Higgins RM, Helm MC, Kindel TL, Gould JC, Perioperative blood transfusion increases risk of surgical site

infection following bariatric surgery., Podium Presentation at ASMBS Obesity Week Conference, Washington DC, 10/2017

Roadman D, Helm M, Goldblatt MI, Kastenmeier A, Kindel TL, Gould JC, Higgins RM, Perioperative factors influencing urinary retention after laparoscopic inguinal hernia repair., Podium Presentation at Academic Surgical Congress, Jacksonville, FL, 01/2018

Helm J, Helm M, Goldblatt MI, Gould JC, Higgins RM, Perioperative blood transfusions increase risk of surgical site infection development in ventral hernia repairs., Podium Presentation at International Hernia Congress, Miami, FL, 03/2018

Villard MA, Helm MC, Kindel TL, Goldblatt MI, Gould JC, Higgins RM, C-reactive protein as a predictor of postoperative complications in bariatric surgery patients., Poster Presentation at SAGES Annual Meeting, Seattle, WA, 04/2018

Higgins RM, Helm MC, Kindel TL, Gould JC, Perioperative outcomes following robotic bariatric surgery: an MBSAQIP analysis., Podium Presentation at ASMBS Obesity Week Conference, Nashville, TN, 11/2018

Wallace L, Horecki E, Helm M, Higgins RM, Gould J, Lak K, Kindel TL, Buyer's remorse: what predicts post-decision dissonance after bariatric surgery?, Podium Presentation at ASMBS Obesity Week Conference, Nashville, TN, 11/2018

Roadman D, Helm M, Goldblatt MI, Kindel TL, Gould JC, Higgins RM, Postoperative urinary retention after bariatric surgery: an institutional analysis., Podium Presentation at Academic Surgical Congress, Houston, TX, 02/2019

Higgins RM and O'Sullivan P, Robotic surgery through the eyes of the medical student: do we help them see?, Surgical Education Research Fellowship Forum, Association of Surgical Education Week, Chicago, IL, 04/2019

Suh S, Helm M, Kindel TL, Goldblatt MI, Gould JC, Higgins RM, The impact of nausea on post-operative outcomes in bariatric surgery patients., Podium Presentation at SAGES Annual Meeting, Baltimore, MD, 04/2019

Higgins RM, Gould JC, Kindel TL, Laparoscopic reduction of jejunojejunostomy intussusception after Roux-en-Y gastric bypass., Video Loop Presentation at SAGES Annual Meeting, Baltimore, MD, 04/2019

Nasser H, Munie S, Kindel TK, Gould JC, Higgins, RM, Comparative analysis of robotic versus laparoscopic revisional bariatric surgery outcomes from the MBSAQIP database. Podium presentation, ASMBS Obesity Week Conference, Las Vegas, NV, 11/2019

Wilkinson KH, Wu R, Szabo A, Lak K, Higgins RM, Gould JC, Budithi R, Kindel TL, The effect of bariatric surgery hospital volume on post-operative outcomes for morbidly obese patients undergoing elective general surgery procedures. Podium presentation., Academic Surgical Congress, Orlando, FL, 02/2020

Ford J, Kindel TL, Higgins RM, Lak K, Hausler A, Gould JC, Examining current patterns of opioid prescribing and use after bariatric surgery. Poster presentation., SAGES Annual Meeting, Cleveland, OH, 08/2020

Grannan HR, Hetzel E, Goldblatt MI, Gould JC, Higgins RM, Robotic general surgery training curriculum: a pilot experience. Podium presentation, SAGES Annual Meeting, Cleveland, OH, 08/2020

Madion M, Goldblatt MI, Gould JC, Higgins RM, Ten year trends in laparoscopic hernia repair: a NSQIP database review. Quickshot poster presentation, SAGES Annual Meeting, Cleveland, OH, 08/2020

Sridhar N, Hetzel E, Gould JC, Kindel TK, Higgins RM, The impact of hemoglobin A1c on post-operative outcomes in bariatric surgery patients, Podium presentation at Academic Surgical Congress, Virtual, 02/2021

**Regional**

Higgins RM, C-reactive protein as a predictor of post-operative complications in bariatric surgery patients., Podium presentation at Wisconsin Surgical Society, Kohler, WI, 10/2017

Higgins RM, Perioperative factors influencing urinary retention after laparoscopic inguinal hernia repair., Podium presentation at Wisconsin Surgical Society, Kohler, WI, 10/2017

Higgins RM, Pre-operative regional anesthesia blocks reduce post-operative narcotic medication usage after Roux-en-Y gastric bypass., Podium Presentation at Wisconsin Surgical Society, Kohler, WI, 11/2018

Higgins RM, Postoperative urinary retention after bariatric surgery: an institutional analysis., Podium Presentation at Wisconsin Surgical Society, Kohler, WI, 11/2018

Higgins RM, The impact of nausea on post-operative outcomes in bariatric surgery patients., Podium Presentation at Wisconsin Surgical Society, Kohler, WI, 11/2018

Higgins RM, Examining current patterns of opioid prescribing and use after bariatric surgery, Podium

presentation at Wisconsin Surgical Society, Kohler, WI, 11/2019

Higgins RM, Robotic general surgery training curriculum: a pilot experience, Podium presentation at Wisconsin Surgical Society, Kohler, WI, 11/2019

Higgins RM, Robotic surgery training curricula: prevalence, perception, and educational experiences in general surgery residency programs, Podium presentation at Wisconsin Surgical Society, Kohler, WI, 11/2019

Higgins RM, The effect of bariatric surgery hospital volume on post-operative outcomes for morbidly obese patients undergoing elective general surgery procedures, Podium presentation at Wisconsin Surgical Society, Kohler, WI, 11/2019

Higgins RM, The influence of pre-operative carbohydrate loading on post-operative outcomes in bariatric surgery patients: a randomized, controlled trial, Podium presentation at Wisconsin Surgical Society (Virtual), Milwaukee, WI, 10/2020

Higgins RM, The evolution of the general surgery resident operative case experience in the era of robotic surgery., Podium presentation at Wisconsin Surgical Society (Virtual), Milwaukee, WI, 10/2020

Higgins RM, The impact of hemoglobin A1c on post-operative outcomes in bariatric surgery patients, Podium presentation at Wisconsin Surgical Society (Virtual), Milwaukee, WI, 10/2020

**Local**

Ballo RM, Predictive factors for sentinel lymph node biopsy in patients with thin melanoma, Association of Women Surgeons Resident Poster Competition, Chicago, IL, 09/2009

Ballo RM, Relevance of Clark level and mitotic rate in patients with thin melanoma, Surgical Honor Society Grand Rounds. Podium Presentation, Loyola University Medical Center, 10/2009

Ballo RM, Does initial laparoscopic cholecystectomy influence the outcomes of definitive oncologic resection for gallbladder cancer?, Rush Research Forum. Abstract Poster Presentation, Chicago, IL, 04/2013

Higgins RM, Perioperative factors influencing urinary retention after laparoscopic inguinal hernia repair., Podium presentation at MCW Fall Research Symposium., Milwaukee, WI, 09/2017

Higgins RM, C-reactive protein as a predictor of post-operative complications in bariatric surgery patients., MCW Fall Research Symposium, Milwaukee, WI, 09/2017

Higgins RM, Postoperative urinary retention after bariatric surgery: an institutional analysis., Podium presentation at MCW Fall Research Symposium, Milwaukee, WI, 09/2018

Higgins RM, The impact of nausea on post-operative outcomes in bariatric surgery patients., Podium presentation at MCW Fall Research Symposium, Milwaukee, WI, 09/2018

Higgins RM, Robotic general surgery training curriculum: a pilot experience, Podium presentation at MCW Fall Research Symposium, Milwaukee, WI, 09/2019

Higgins RM, Robotic surgery training curricula: prevalence, perception, and educational experiences in general surgery residency programs, Podium presentation at MCW Fall Research Symposium, Milwaukee, WI, 09/2019

Higgins RM, Examining current patterns of opioid prescribing and use after bariatric surgery, Podium presentation at MCW Fall Research Symposium, Milwaukee, WI, 09/2019

Higgins RM, The evolution of the general surgery resident operative case experience in the era of robotic surgery., Podium presentation at MCW Fall Research Symposium (Virtual, Milwaukee, Wi, 09/2020

Higgins RM, The impact of hemoglobin A1c on post-operative outcomes in bariatric surgery patients., Podium presentation at MCW Fall Research Symposium (Virtual), Milwaukee, WI, 09/2020

Higgins RM, The influence of pre-operative carbohydrate loading on post-operative outcomes in bariatric surgery patients: a randomized, controlled trial, Podium presentation at MCW Fall Research Symposium (Virtual), Milwaukee, WI, 09/2020

## MCW TEACHING ACTIVITIES:

**Medical Student Education**

08/2016 - Present Weekly Service Medical Student Teaching Rounds

02/2017 - Present M2 Foundational Capstone Small Group Preceptor

08/2017 M4 Resident Mock Oral Interviews

10/2017 - Present Student Surgical Society, "The Path of a General Surgeon"

11/2017 - Present M3 Lecture, "Obesity and Bariatric Surgery"

11/2017 - Present M1 and M2 lecture, "Laparoscopic Surgery"

**Resident and Fellow Education**

08/2015 - Present PGY-2 Fundamentals of Laparoscopic and Endoscopic Surgery
08/2015 - Present PGY-1 Fundamentals of Laparoscopic and Endoscopic Surgery
06/2016 - Present PGY3- PGY5 Mock Oral Exams Facilitator
01/2017 - Present PGY3 and PGY4 Pilot Robotic Surgery Training Program
05/2017 PGY 1 Curriculum "GERD Lecture"
09/2017 - Present PGY1 Curriculum "Robotic Surgery Training Curriculum"
04/2018 PGY-2 Curriculum “Interesting Cases in Foregut Surgery”
04/2018 PGY-2 Curriculum “Complications of Bariatric Surgery Patients”
04/2018 PGY-2 Curriculum "Revisional Foregut Surgery"
04/2018 PGY-2 Curriculum – Pig dissection lab on foregut surgery"
09/2018 - Present PGY-1 Curriculum – “Introduction to Simulation”
10/2018 - Present PGY-2 Curriculum – “Robotic Surgery Training Curriculum”
01/2019 PGY-2/3 Curriculum – “Bariatric Surgery Complications”
09/2020 Obstetrics and Gynecology, Academy of Distinguished Resident Educators – “How to become a better teacher at the bedside and in the operating room”

**Community/Lay Public**

03/2017 “Bariatric Surgery: Myths, Realities and Results" Wisconsin Athletic Club
11/2017 "Treatment Options for GERD and Acid Reflux", Wisconsin Athletic Club
02/2018 "Hernias- What Every Patient Needs to Know', Wisconsin Athletic Club
11/2018 "Treatment Options for GERD and Acid Reflux", Wisconsin Athletic Club
04/2019 "Hernias- What Every Patient Needs to Know', Wisconsin Athletic Club
10/2019 "Beyond Pills: New Treatments for Acid Reflux". Wisconsin Athletic Club
12/2019 “Hernias – What Every Patient Needs to Know”, Wisconsin Athletic Club
12/2020 “Hernias – What Every Patient Needs to Know”, Virtual WebEx

**EXTRAMURAL TEACHING:**

**Medical Student Education**

04/2017 - Present Marquette University, Biomedical Engineering Students, lecture on Minimally Invasive Surgery

**Graduate Student Education**

02/2019 Marquette University, Physician Assistant Students, lecture on Obesity and Bariatric Surgery
06/2019 SAGES, Instructor, Fellows’ Robotic Surgery Course, Houston, TX
09/2019 SAGES, Instructor, Residents’ Robotic Surgery Training Course, Atlanta, GA
11/2019 Americas Hernia Society, Instructor, Resident Hernia Compact Training Course, Minneapolis, MN
08/2020 - Present SAGES, Instructor/Mentor, Virtual Hernia Hands on Course

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

**Medical Students**

08/2016 - 12/2016 Ahmed Sadek, M1 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin
10/2016 - Present Daniel Roadman, Mentor- Scholarly Pathways Research, Medical College of Wisconsin
01/2017 - 10/2017 Adam Gordon, M1 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin
05/2017 - 12/2018 Ashley Villard, Medial Student Summer Research Fellowship Program and Mentor- Scholarly Pathways Research, Medical College of Wisconsin
11/2017 - Present Sarah Suh, Mentor- Scholarly Pathways Research and Medical Student Summer Research Fellowship Program. M2 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin
01/2018 - 04/2018 Peggy Weng, M1 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin
02/2018 - 06/2019 Ahmed Sadek, M4 Clinical Advisor, Medical College of Wisconsin

02/2018 - 06/2019 Mason Mocarski, M4 Clinical Advisor, Medical College of Wisconsin
10/2018 - Present Hailee Grannan, Medical Student Summer Research Fellowship Program, Medical College of Wisconsin
10/2018 - Present Nithya Sridhar, Scholarly Pathways Research Mentor, Medical College of Wisconsin
12/2018 - Present Abel Chinos, M1 Clinical Advisor, Medical College of Wisconsin
12/2018 - Present Andrea Moyer, M1 Clinical Advisor, Medical College of Wisconsin
01/2019 - 12/2019 Caroline Davitt, M1-2 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin
11/2019 - Present Erica Engstrand, M1 Clinical Advisor, Medical College of Wisconsin
12/2019 - Present Nnenna Nwaelugo, Medical Student Summer Research Fellowship Program, Medical College of Wisconsin
12/2020 - Present Catherine Chang, M1 Clinical Advisor, Medical College of Wisconsin
12/2020 - Present Micah Rubin, M1 Clinical Advisor, Medical College of Wisconsin
12/2020 - Present Mia Turbati, Medical Student Summer Research Fellowship Program, Medical College of Wisconsin
01/2021 - Present Amy Lee, M1 Clinical Apprenticeship Preceptor Program, Medical College of Wisconsin

**Clinical/Research Fellows**

08/2016 - 07/2017 Kathleen Lak, MD, Clinical Mentor, Medical College of Wisconsin
08/2017 - Present Cynthia Weber, MD, Clinical Mentor, Medical College of Wisconsin
08/2018 - 07/2019 Semeret Munie, MD, Clinical Mentor, Medical College of Wisconsin
08/2019 - 07/2020 Maria Linnaus, MD, Clinical Mentor, Medical College of Wisconsin
08/2020 - 07/2021 Shanley Deal, MD, Clinical Mentor, Medical College of Wisconsin

**Residents**

09/2017 - Present Andrew Goelz, MD, Clinical Mentor, Medical College of Wisconsin
01/2018 - Present Matthew Madion, MD, Faculty and Research Mentor, Medical College of Wisconsin
07/2020 - Present Jaclyn Gellings, MD, Clinical Mentor, Medical College of Wisconsin

**EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS MENTORED:**

**Undergraduate Students**

09/2017 - 05/2018 Biomedical Engineering Senior Design Project, Clinical Advisor, Marquette University
10/2017 - 12/2017 Ryan Nelsen, Mentor, University of Milwaukee, Medical Society of Milwaukee Pre-Med Shadowing Program
10/2018 - 12/2018 Noelle Klitzke, Mentor, Medical Society of Milwaukee Pre-Med Shadowing Program

**PROGRAMMATIC DEVELOPMENTS:**

**Educational Programs**

**Resident**

01/2017 - Present MCW Resident Robotic Surgery Training Curriculum

**Community Programs**

10/2017 - Present Director and Co-moderator of “The Word on Medicine”, MCW Department of Surgery bi-weekly radio show on WISN highlighting clinical excellence at MCW across surgical and non-surgical departments
07/2019 - Present Director and Content Contributor of “The Latest Word on Medicine”, MCW Department of Surgery weekly radio show on WISN highlighting relevant medical and surgical topics

## BIBLIOGRAPHY

**Refereed Journal Publications/Original Papers**

1. Yonick DV, Ballo RM, Kahn E, Dahiya M, Yao K, Godellas C, Shoup M, Aranha GV. Predictors of positive sentinel lymph node in thin melanoma. Am J Surg. 2011 Mar;201(3):324-7; discussion 327-8.
2. Ballo RM, Veenstra B, Simon DM, Eswaran S, Chan EY Intestinal Tuberculosis in a Liver Transplant Patient Journal of Clinical Case Reports. 4:364. DOI: 10.4172/2165-7920.1000364
3. Ballo R, Saeed M, Daly S, Pinzon M, Francescatti A, Millikan KW, Myers JA, Bines SF, Luu MB. Does initial laparoscopic cholecystectomy influence the outcomes of definitive oncologic resection for gallbladder cancer? Am Surg. 2015 Feb;81(2):E54-6.
4. Higgins RM, Kubasiak JC, Jacobson RA, Janssen I, Myers JA, Millikan KW, Deziel DJ, Luu MB. Outcomes and Use of Laparoscopic Versus Open Gastric Resection. JSLS. 2015;19(4). PMCID: PMC4756354
5. Higgins RM, Deal RA, Rinewalt D, Hollinger EF, Janssen I, Poirier J, Austin D, Rendina M, Francescatti A, Myers JA, Millikan KW, Luu MB. The utility of mock oral examinations in preparation for the American Board of Surgery certifying examination. Am J Surg. 2016 Feb;211(2):416-20.
6. Higgins RM, Frelich MJ, Bosler ME, Gould JC. Cost analysis of robotic versus laparoscopic general surgery procedures. Surg Endosc. 2017 Jan;31(1):185-192.
7. Higgins RM, Schumm M, Bosler ME, Gould JC. Pre-Existing Mesh at the Hiatus in Revisional Surgery Does Not Result in Increased Morbidity: A Case-Control Evaluation. J Laparoendosc Adv Surg Tech A. 2017 Oct;27(10):997-1001.
8. 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.
9. 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.
10. 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.
11. 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.
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**Books, Chapters, and Reviews**

1. Ballo RM and Millikan KW Chapter 32: Esophageal Cancer Common Surgical Diseases: An Algorithmic Approach to Problem Solving. Springer, New York, pp 133-135
2. Higgins RM and Gould JC. Chapter 43: Revisional Paraesophageal Hernia: Tips and Tricks. The SAGES Manual of Hernia Surgery. Springer, New York, pp 583-593, 2019
3. Higgins RM and Gould JC. Clinical Applications of Robotics in General Surgery. Handbook of Robotic and Image-Guided Surgery, (chapter accepted, publication pending in June/July 2019)
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**Peer Reviewed Educational Products**

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**Non-Peer Reviewed Educational Products**

1. Higgins RM and Ritter EM. “Flexible Endoscopy Curriculum, Fundamentals of Endoscopic Surgery, and Robotic Training”. Program Directors Resource Handbook. Association of Program Directors in Surgery Education and Operations Division. https://apds.org/program-directors/pd-handbook/flexible-endoscopy-curriculum-fundamentals-of-endoscopic-surgery-and-robotic-training/ Date of publication January 25, 2020.