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Current Titles/Positions

Founder and Chief Executive Officer, EliteCare Surgical Specialists, L.L.C.

- September 26th, 2024 - Current

Attending Surgeon, Advanced Minimally Invasive Abdominal Wall and GI Surgery, Suburban Hospital, Bethesda, MD

- December 2024 - Current

Previous Academic Appointments

Associate Professor of Surgery, The George Washington University School of Medicine and Health Sciences, Washington, D.C.

- August 26th, 2024 to March 2nd, 2025

Core Faculty, Anne Arundel General Surgery Residency Program, Anne Arundel Medical Center, Luminis Health

- July 1st, 2016 to March 2nd, 2025

Faculty, Howard University General Surgery Residency Program, Washington, D.C.

- May 1st, 2021-March 2nd, 2025

Previous Titles/Positions

Chief of Surgery, Doctors Community Medical Center, Lanham, MD, Luminis Health

- January 1st, 2022-August 27th, 2024

Attending Surgeon, Advanced Minimally Invasive Abdominal Wall and GI Surgery, Anne Arundel Medical Center, Annapolis, MD, Luminis Health

- August 1st, 2016-March 2nd, 2025

Attending Surgeon, Advanced Minimally Invasive Abdominal Wall and GI Surgery, Doctors Community Medical Center, Lanham, MD, Luminis Health

- May 1st, 2021-March 2nd, 2025

Associate Program Director, Advanced Minimally Invasive GI and Hernia Surgery Fellowship, Anne Arundel Medical Center, Luminis Health

- December 1st, 2019-December 1st, 2021

Medical Director of Simulation to Advance Innovation and Learning (S.A.I. L.) Center, Anne Arundel Medical Center, Luminis Health

- July 1st, 2017-July 1st, 2022

Core Faculty, Advanced Minimally Invasive GI and Hernia Surgery Fellowship, Anne Arundel Medical Center, Luminis Health

- July 1st, 2016-July 1st, 2022

Board Certification

Diplomate of American Board of Surgery

Active Medical Licensure

State of Maryland

Education

Fellowship

7/1/2014-7/1/2015 Research Fellow, Minimally Invasive Surgery, Anne Arundel Medical Center, Under Mentorship of Adrian E. Park, M.D., F.A.C.S.

7/1/2015-8/1/2016 Clinical Fellow, Minimally Invasive Surgery, Anne Arundel Medical Center, Under Mentorship of Adrian E. Park, M.D., F.A.C.S.

Residency

7/1/2013-7/1/2014 Chief Resident, General Surgery, University of Maryland

7/1/2011-7/1/2013	Senior Resident, General Surgery, University of Maryland
7/1/2009-7/1/2011	Research Fellow, Divisions of Plastic and Pediatric Surgery, University of Maryland
7/1/2008-7/1/2009	Resident, General Surgery, University of Maryland
7/1/2007-7/1/2008	Internship, General Surgery, University of Maryland

Medical School

6/1/2003-6/1/2007	Midwestern University, AZCOM: Doctor of Osteopathy
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Graduate

6/1/2001-6/1/2003	Midwestern University: Master of Biomedical Sciences
8/1/2000-6/1/2001	Research Fellowship, Neuroimmunology, Arizona State University Director: Steven Hoffman, PhD

Undergraduate

6/1/1998-8/1/2000	Arizona State University: Bachelor of Science in Microbiology
6/1/1995-6/1/1998	Scottsdale Community College: Associate in Arts

Advanced Training/Certification

PULSE 360 Program for Advanced Communications and EI

High Resolution pH/Manometry/Impedance testing and interpretation, Sandhill University, Denver, CO

Advanced Robotic Surgery, Intuitive Surgical, Atlanta, GA

Fundamentals of Endoscopic Surgery, SAGES, Houston, TX

Fundamentals of Laparoscopic Surgery, University of Maryland, Baltimore, MD

Advanced Surgical Skills for Exposure in Trauma, Shock Trauma, Baltimore, MD

Advanced Trauma Operative Management, Shock Trauma, Baltimore, MD

Advanced Trauma Life Support, Shock Trauma, Baltimore, MD

Advanced Cardiovascular Life Support, Shock Trauma, Baltimore, MD

Awards & Honors

April 16, 2013	Outstanding Laparoendoscopic Resident Surgeon Award, Society of Laparoendoscopic Surgeons
May 18, 2012	Best Paper Presented, 55th Annual Ohio Valley Society of Plastic Surgeons Meeting, " <i>Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds</i> "
February 8, 2012	Resident Research Award, Baltimore Academy of Surgery, " <i>Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds</i> "
February 16, 2011	Resident Research Award, Baltimore Academy of Surgery, " <i>Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience</i> "
March 2, 2005	Selected to Sigma Sigma Phi Honor Society for academic excellence
October 23, 2004	Certificate of research recognition, American College of Physicians
October 12, 2003	Best medical student poster presentation, 108th Annual AOA National Convention and Scientific Seminar
June 2, 2003	Outstanding Research Award, Midwestern University

Research Experience

7/2014 – 7/2015	Anne Arundel Medical Center Investigated a variety of clinical topics relating to the practice of minimally invasive surgery and GI surgery including ergonomics and impact on physical and mental function of surgeons, need for a defined educational curriculum for hernia repair, fire safety in the operating room, etc.
7/2009 – 7/2011	University of Maryland " <i>Strattice as Resurfacing Graft for Avascular Full-Thickness Wounds</i> " Investigated the ability of acellular dermal matrix derived from porcine dermis to be used as a resurfacing graft for poorly vascularized wound beds of various sizes.
7/2009 – 7/2011	University of Maryland " <i>Intestinal Protection: The Role of Bile Salts</i> " Investigated the ability of prophylactic bile salts to promote epithelial proliferation and prevent apoptosis in the presence of LPS-induced gastrointestinal injury.

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| 8/2002 – 9/2004 | Midwestern University
<i>"The Role of Histone N-termini in Unwinding of Chromatin by DNA Helicases"</i>
Investigated the ability of the UvrD, BLM and TFIIH helicases to independently overcome chromatin repression and unwind nucleosomes. |
| 8/2000 - 8/2001 | Arizona State University
<i>"Lymphocytic Infiltration In The Brain Parenchyma of Autoimmune BXSB And MLR:lp^r Mice"</i>
Investigated the migration of CD19+ and CD8+ lymphocytes in the brains of mice exhibiting experimental autoimmune encephalomyelitis (EAE). |

Research Grant Applications

1. July 2020
 Agency for Healthcare Research and Quality (AHRQ), R03 HS027875-01
 Project Title: "Providing Outpatient Surgical and Primary Care to the Uninsured Through the Specialist: A Prospective Study of a Multidisciplinary Approach."
 Role: Author and Principal Investigator
2. March 2016
 Industry Grant, Stryker
 Project Title: "Stryker's Operating Room of the Future: Improving Operating Room Flow, Surgeon Flow, Surgeon Function and Patient Safety Through Enhanced Simulation and Ergonomics."
 Role: Author and Co-investigator
3. October 29, 2014
 Industry Grant, Covidien
 Project Title: "Laparoscopic Repair of Ventral Hernias with Symbotex Composite Mesh"
 Role: Author and Co-investigator
4. August 16, 2009
 Industry Grant, LifeCell Corporation
 Project Title: "Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds "
 Role: Author and Co-investigator
5. May 15, 2004
 Private Grant, Midwestern University
 Project Title: "Chromatin Unwinding by the UvrD DNA Repair Helicase"
 Role: Author and Co-investigator

Research Grant Funding

1. March 2016
 Industry Grant, Stryker

Amount: \$900,000

Project Title: "Stryker's Operating Room of the Future: Improving Operating Room Flow, Surgeon Flow, Surgeon Function and Patient Safety Through Enhanced Simulation and Ergonomics."

Role: Author and Co-investigator

2. October 29, 2014

Industry Grant, Covidien

Amount: \$102,000.00

Project Title: "Laparoscopic Repair of Ventral Hernias with Symbotex Composite Mesh"

Role: Author and Co-investigator

3. August 16, 2009

Industry Grant, LifeCell Corporation

Amount: \$78,405.00

Project Title: "Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds "

Role: Author and Co-investigator

4. May 15, 2004

Private Grant, Midwestern University

Amount: \$4000.00

Project Title: "Chromatin Unwinding by the UvrD DNA Repair Helicase"

Role: Author and Co-investigator

Lectures/Grand Rounds Presentations

1. October 29, 2017: ASMBS/AHS, Washington D.C., USA

"MIS eTEP Rives-Stoppa and TAR: Why and How?"

2. October 29, 2017: ASMBS/AHS, Washington D.C., USA

"Video: MIS eTEP Rives-Stoppa and TAR Techniques"

3. June 6, 2016: Anne Arundel Medical Center, Department of Surgery; Annapolis, MD, USA

"Barrett's Esophagus: Controversies and Updates"

4. April 10, 2014: University of Maryland School of Medicine, Department of Surgery; Baltimore, MD, USA

"Robotic Surgery: The Past, Present and Future"

5. October 22, 2012: University of Maryland School of Medicine, Division of Transplant Surgery; Baltimore, MD, USA

"Improving Renal Allograft Supply: The Future of Organ Preservation"

Research Podium Presentations

1. **April 5th, 2019: Society of Gastrointestinal and Endoscopic Surgeons (SAGES), Baltimore, MD, USA**

“Robotic Abdominal Wall Reconstruction: The Devil’s in Details.”

2. **March 9th, 2019: Anne Arundel Medical Center Wellness Conference, Annapolis, MD, USA**

“The Role of Sound Ergonomics in Prevention of Musculoskeletal Injuries During Surgery.”

3. **May 22, 2016: SSAT/DDW Meeting, San Diego, CA, USA**

“Primary vs. Redo Paraesophageal Hiatal Hernia Repair: A Comparative Analysis of Operative and Quality of Life Outcomes.”

4. **April 2, 2016: American Hernia Society Meeting, Washington D.C., USA**

“The Impact of Panniculectomy on Operative Outcomes after Abdominal Wall Reconstruction to Treat Complex Hernia Defects.”

5. **April 27, 2015: 1st World Conference on Abdominal Wall Hernia Surgery; Milan, Italy**

"Operative and Quality of Life Assessment Post Abdominal Wall Reconstruction with Non-Absorbable Mesh for Ventral and Incisional Hernias"

6. **April 27, 2015: 1st World Conference on Abdominal Wall Hernia Surgery; Milan, Italy**

"Repair of Symptomatic Abdominal Bulging Improves Quality of Life and Core Muscle Functionality"

7. **April 17, 2015: Annual Meeting of Society of American Gastrointestinal and Endoscopic Surgeons; Nashville, Tennessee, USA**

"Raising the Quality of Hernia Care: Is There a Need?"

8. **February 5, 2015: 10th Annual Academic Surgical Congress Meeting; Las Vegas, Nevada, USA**

"Intraoperative Assessment to Select Segmental Resection vs. Local Excision for Colonic Endometriosis"

9. **June 22, 2012: University of Maryland Harry L. Sponsellar, MD Surgical Research Forum; Baltimore, MD, USA**

"Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds"

10. February 8, 2012: Baltimore Academy of Surgery; Baltimore, MD, USA

"Use of Porcine Acellular Dermal Matrix As Resurfacing Graft To Promote Epithelialization of Avascular Wounds"

11. June 24, 2011: University of Maryland Harry L. Sponsellar, MD Surgical Forum; Baltimore, MD, USA

"Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience"

12. June 4, 2011: 54th Annual Ohio Valley Society of Plastic Surgeons Meeting; Sulphur Springs, WV, USA

"Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience"

13. June 2, 2011: 3rd Annual Johns Hopkins Plastic Surgery Research Seminar; Baltimore, MD, USA

"Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience"

14. April 30, 2011: 56th Annual Meeting of Plastic Surgery Research Council; Louisville, Kentucky, USA

"Risk Factors For Increased Morbidity Post Tissue Flap Reconstruction of Complicated Sternal Wounds"

15. February 16, 2011: Baltimore Academy of Surgery; Baltimore, MD, USA

"Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience"

16. February 3, 2011: 6th Annual Academic Surgical Congress Meeting; Huntington Beach, CA, USA

"Bile Salt Supplementation Acts Via The Farnesoid X Receptor To Alleviate LPS-induced Intestinal Injury"

17. June 18, 2010: University of Maryland Harry L. Sponsellar, MD Surgical Forum; Baltimore, MD, USA

"The Critical Role of Bile Salts: Intestinal Protection"

Research Poster Presentations

1. March 03, 2016: American Hernia Society Meeting, Washington, D.C., USA

"Mesh Type and Its Impact on operative Outcomes After Abdominal Wall Reconstruction High Risk Patients."

2. March 17, 2016: Annual Meeting of Society of American Gastrointestinal and Endoscopic Surgeons; Nashville, Tennessee, USA

"Short-Term Outcomes Post Laparoscopic Abdominal Wall Reconstruction: A Novel Approach and Prospective Multi-Institutional Case Series Study."

3. April 17, 2015: Annual Meeting of Society of American Gastrointestinal and Endoscopic Surgeons; Nashville, Tennessee, USA

"See One, Do One, Teach One: Inadequacies of Current Methods to Train Surgeons in Hernia Repair."

4. June 3, 2011: 54th Annual Ohio Valley Society of Plastic Surgeons; Sulphur Springs, WV, USA

"Pectoralis Major Turnover Versus Advancement Flap for Sternal Wound Reconstruction: A 21-Year Experience"

5. June 18, 2010: Abdominal Wall Reconstruction Meeting; Washington, DC, USA

"Successful Integration and Revascularization of a Porcine Non-Crosslinked Acellular Dermal Matrix in human high-risk ventral hernia repair"

6. December 5, 2004: Research Day, Midwestern University; Glendale AZ

"Chromatin Unwinding by the UvrD DNA Repair Helicase"

7. October 23, 2004: American College of Physicians Scientific Meeting; Scottsdale AZ

"Chromatin Unwinding by the UvrD DNA Repair Helicase"

8. December 5, 2003: Research Day, Midwestern University; Glendale AZ

"The Role of Histone N-termini in Unwinding of Chromatin by DNA Helicases"

9. October 15, 2003: AOA 108th Annual Convention and Scientific Seminar; New Orleans LA

"The Role of Histone N-termini in Unwinding of Chromatin by DNA Helicases"

Published Book Chapters

1. **HR Zahiri**, Addo A, A Park. “Musculoskeletal Disorders in Minimally Invasive Surgery”, *Advances in Surgery*. 2019 Sept;53:209-220. PMID: 31327447
2. **HR Zahiri**, I Belyansky, A Park. “Abdominal Wall Hernia”, *Current Problems in Surgery*. 2018 Aug;55(8):286-317. PMID: 30470388
3. I Belyansky, Z Sanford, A Weltz, **HR Zahiri**. “Robotic Extended-View Totally Extraperitoneal Access Rives-Stoppa Repair”, *Atlas of Robotic Surgery*. 2019.
4. A Weltz, **HR Zahiri** and I Belyansky. “Fundamentals on prosthetic materials for the abdominal wall”, *Fundamentals of General Surgery*. 2017, June.
5. U Sibia, A Weltz, **HR Zahiri** and I Belyansky. “Laparoscopic Ventral and Incisional Hernia Repair with Closure of the Fascial Defect”, *Laparoscopic Hernia Surgery*. 2017, June.
6. **HR Zahiri** and AE Park. “The Ergonomic Minimally Invasive Surgical/Endoscopy Suite with Adrian Park”, *Current Operative Endoscopic and Minimally Invasive Surgery*. 2015, April.
7. **HR Zahiri** and I Belyansky. “Optimal fixation during laparoscopic hernia repair: sutures, absorbable tacks, glues”, *Current Principles of Surgery of the Abdominal Wall*. 2014, December.

Published Manuscripts

1. Addo A, Lu R, Broda A, George P, Huerta N, Park A, **Zahiri HR**, Belyansky I. Impact of Body Mass Index (BMI) on Perioperative Outcomes Following Minimally Invasive Retromuscular Abdominal Wall Reconstruction: A Comparative Analysis. *Surgical Endoscopy*. 2021 October;35(10):5796-5802. PMID: 32051760
2. Addo A, Lu R, Broda A, George P, **Zahiri HR**, Belyansky I. Hybrid Versus Open Retromuscular Abdominal Wall Repair: Early Outcomes. *Surgical Endoscopy*. 2021 October;35(10):5793-5598. PMID: 33034775
3. Addo A, George P, **Zahiri HR**, Park A. Patients with Ineffective Esophageal Motility Benefit from Laparoscopic Antireflux Surgery. *Surgical Endoscopy*. 2021 August;35(8):4459-4468. PMID: 32959180
4. Weltz AS, Addo A, Broda A, Connors K, **Zahiri HR**, Park A. The Impact of Laparoscopic Anti-Reflux Surgery on the Quality of Life: Do Patients with Atypical Symptoms Benefit? *Surgical Endoscopy*. 2021, Jun; 35(6):2515-2522. PMID: 32468262
5. Feng Y, Uchidiuno UA, **Zahiri HR**, George I, Park A, Mentis HM. Comparison of Kinect and Leap Motion for Intraoperative Image Interaction. *Surgical Innovation*. 2021, Feb;28(1)33-40. PMID: 32812838
6. Addo A, Sanford Z, Broda A, **Zahiri HR**, Park A. Age-Related Outcomes in Laparoscopic Hiatal Hernia Repair; Is There a “Too Old” for Antireflux Surgery? *Surgical Endoscopy*. 2021 January;35(1):429-436. PMID: 32170562

7. Feng Y, McGowan H, Semsar A, **Zahiri HR**, George IM, Park A, Mentis HM. Virtual Pointer for Gaze Guidance in Laparoscopic Surger. *Surgical Endoscopy*. 2020, Aug; 34(8):3533-3539. PMID: 31586251
8. Semsar A, McGowan H, Feng Y, **Zahiri HR**, George IM, Turner T, Park A, Mentis HM, Kleinsmith A. Effects of a Virtual Pointer on Trainees' Cognitive Load and Communication Efficiency in the Surgical Training. *AMIA Annu Symp Proc*. 2020 Mar 4;2019:1197-1206. eCollection 2019.PMID: 32308917
9. Lu R, Addo A, Broda A, Sanford Z, Weltz A, Zahiri HR, Park A. Update on the Durability and Performance of Collis Gastroplasty for Chronic GERD and Hiatal Hernia Repair at 4-Year Post Intervention. *Journal of Gastrointestinal Surgery*. 2020 Feb;24(2):253-261 [Epub 2019 Nov 25]. PMID: 31768831
10. Lu R, Addo A, Ewart Z, Broda A, Parlacoski S, **Zahiri HR**, Belyansky I. Comparative Review of Outcomes: Laparoscopic and Robotic Enhanced-View Totally Extraperitoneal (eTEP) Access Retrorectus Repairs. *Surgical Endoscopy*. 2020 Aug;34(8):3597-3605 [Epub 2019 Oct 11]. PMID: 31605215
11. Addo A, Broda A, **Zahiri HR**, Brooks IM, Park A. Resolution of Anemia and Improved Quality of Life Following Laparoscopic Hiatal Hernia Repair. *Surgical Innovation*. 2019 Aug 9 [Accepted for Publication].PMID: 31399944
12. Sanford Z, Jayaraman S, Weltz AS, **Zahiri HR**, Park A. The Role of Body Mass Index in Determining Clinical and Quality of Life Outcomes After Laparoscopic Anti-Reflux Surgery. *Surgical Innovation*. 2019 May 6 [Accepted for Publication].PMID: 31062159
13. Belyansky I, **Zahiri HR**, Sanford Z, Weltz AS, Park A. Early Operative Outcomes of Endoscopic (eTEP Access) Robotic-Assisted Retromuscular Abdominal Wall Hernia Repair. *Hernia*. 2018, Oct;22(5):837-847.PMID: 29974283
14. Sanford Z, Brown S, Tran MN, **Zahiri HR**, Feather C, Wormuth J and Buckley B. Updates on the Utility of Diagnostic Laparoscopy in the Management of Pneumatosis Intestinalis: An Improvement to the Current Treatment Algorithm. *Surgical Innovation*. 2018 [Accepted for Publication].PMID: 28916960
15. Feng Y, McGowan H, Semsar A, **Zahiri HR**, George IM, Turner T, Park A, Kleinsmith A, Mentis HM. A Virtual Pointer to Support the Adoption of Professional Vision in Laparoscopic Training. *Int J Comput Assist Radiol Surg*. 2018, Sep;13(9):1463-1472.PMID: 29796835
16. Belyansky I, Daes J, Radu VG, Balasubramanian R, **Zahiri HR**, Weltz AS, Sibia US, Park A, Novitsky Y. A Novel Approach Using the Enhanced-View Totally Extraperitoneal (eTEP) Technique for Laparoscopic Retromuscular Hernia Repairs. *Surg Endosc*. 2017, Sep 1;83(9):937-942. PMID: 28916960
17. Weltz A, SibiaUS, **Zahiri HR**,Schoeneborn A, Park A, Belyansky I. Operative Outcomes after Open Abdominal Wall Reconstruction with Retromuscular Mesh Fixation Using Fibrin Glue versus Transfascial Sutures. *American Surgeon*. 2017, Sep 1;83(9):937-942. PMID: 28958271

18. Belyansky I, Weltz A, SibiaUS, Turcotte JJ, Taylor H, **Zahiri HR**, Turner TR, Park A. The Trend Toward Minimally Invasive Complex Abdominal Wall Reconstruction: Is It Worth It? *Surgical Endoscopy*. 2018, Apr;32(4):1701-1707. PMID: 28917019
19. Weltz A, **Zahiri HR**, SibiaUS, Wu N, Fantry GT, Park A. Patients are Well Served by Collis Gastroplasty When Indicated. *Surgery*. 2017, Sep;162(3):568-576. PMID: 28606726
20. **Zahiri HR**, Weltz A, SibiaUS, Paranjji N, Leydorf SD, Fantry GT, Park A. Primary vs. Redo Paraesophageal Hiatal hernia Repair: A Comparative Analysis of Operative and Quality of Life Outcomes. *Surgical Endoscopy*. 2017, Dec;31(12):5166-5174. PMID: 28493161
21. **Zahiri HR**, Weltz A, SibiaUS, Marvel RP, Park A, Belyansky I. Segmental Resection vs. Local Excision for Colonic Endometriosis. *American Surgeon*. 2017, Jun 1;83(6):e210-212. PMID: 28637549
22. Park AE, **Zahiri HR**, Hallbeck MS, Augenstein V, Sutton E, Yu D, Lowndes BR, Bingener J. Intraoperative "Micro Breaks" with Targeted Stretching Enhance Surgeon Physical Function and Mental Focus: A Multicenter Cohort Study. *Annals of Surgery*. 2017, Feb; 265(2): 340-346. PMID: 28059962
23. Sibia U, Connors K, Dykman S, **Zahiri HR**, George I, Park A, MacDonald J. Potential Fire Hazard of Bone Cement in the Operating Room: A Case Report. *American Journal of Orthopedics*. 2016, Nov/Dec;45(7):E512-E514. PMID: 28005104
24. Belyansky I, **Zahiri HR**, Park A. Laparoscopic Transversus Abdominis Release: A Novel Minimally Invasive Approach to Complex Abdominal Wall Reconstruction. *Surgical Innovation*. 2016, Apr;23(2): 134-41. PMID: 26603694
25. Gowda AU, Chang SM, Chopra K, Matthews JA, Sabino J, Stromberg JA, **Zahiri HR**, Pinczewski J, Holton LH 3rd, Silverman RP, Singh DP. Porcine Acellular Dermal Matrix (PADM) Vascularises After Exposure in Open Necrotic Wounds Seen After Complex Hernia Repair. *International Wound Journal*. 2016, Oct; 13(5):972-6. PMID: 26688300
26. Ghanem O, **Zahiri HR**, Devlin S, Sibia U, Park A, Belyansky I. Laparoscopic Subxiphoid Hernia Repair with Intracorporeal Suturing of Mesh to the Diaphragm as Means to Decrease Recurrence. *Journal of Laparoendoscopic & Advanced Surgical Techniques*. 2016, Feb; 26(2):129-32. PMID: 26863296
27. **Zahiri HR**, Park A, Pugh C, Vassiliou M, Voeller G. "See one, do one teach one: inadequacies of current methods to train surgeons in hernia repair. *Surgical Endoscopy*. 2015, Oct;29(10):2867-72. PMID: 26198155
28. Park A, **Zahiri HR**, Pugh C, Vassiliou M, Voeller G. Raising the Quality of Hernia Care: Is There a Need? *Surgical Endoscopy*. 2015, Aug;29(8):2061-71. PMID: 26123329
29. Singh D, **Zahiri HR**, Gastman B, Holton LH 3rd, Stromberg JA, Chopra K, Wang HD, Condé-Green A, Holton L, Silverman RP. A Modified Approach to Component Separation Using Biologic Graft as a Load-Sharing Onlay Reinforcement for the Repair of Complex Ventral Hernia. *Surgical Innovation*. 2014 April; 21(2):137-146. PMID: 23804996

30. Condé-Green A, Chung TL, Holton LH 3rd, Hui-Chou HG, Zhu Y, Wang H, **Zahiri H**, Singh DP. Incisional Negative-Pressure Wound Therapy vs. Conventional Dressings Following Abdominal Wall Reconstruction: A Comparative Study. *Annals of Plastic Surgery*. 2013, October; 71(4):394-7. PMID: 22868327
31. **Zahiri HR**, Lumpkins K, Kelishadi S, Stromberg JA, Silverman RP, Slezak S, Goldberg NH, Holton L, Singh DP. Pectoralis Major Turnover Versus Advancement Technique for Sternal Reconstruction: A 21-Year Experience. *Annals of Plastic Surgery*. 2013, February; 70(2):211-5. PMID: 22791058
32. **Zahiri HR**, Lumpkins K, Kelishadi S, Zhu Y, Medina D, Conde-Green A, Silverman RP, Slezak S, Goldberg NH, Holton L, Singh DP. Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience. *Annals of Plastic Surgery*. 2012, Oct; 69(4): 439-441. PMID: 22214795
33. Singh D, Forte AJ, **Zahiri HR**, Janes LE, Sabino J, Matthews JA, Bell RL, Thomson JG. Prognostication for Body Contouring Surgery After Bariatric Surgery. *Eplasty*. 2012, September; 12:e46. PMID: 22993644
34. Singh D, **Zahiri HR**, Janes LE, Sabino J, Matthews JA, Bell RL, Thomson JG. Mental and Physical Impact of Body Contouring Procedures on Post-Bariatric Surgery Patients. *Eplasty*. 2012, September; 12:e47. PMID: 22993645
35. Knepp EK, Chopra K, **Zahiri HR**, Holton LH, Singh DP. An Effective Technique for Salvage of Cardiac-Related Devices. *Journal of Eplasty*. 2012, January 24th. 12 (E8): 68-75. PMID: 22292104
36. **Zahiri HR**, Stump A, Kelishadi S, Condé-Green A, Silverman RP, Holton L, Singh DP. Sternal Reconstruction After Cardiac Transplantation: A Case of an Oversized Donor Heart. *Journal of Eplasty*. 2012, January 24th. 12 (E7): 62-67. PMID: 22292103
37. Singh DP, Forte AJV, Apostolides JG, **Zahiri HR**, Stromberg JA, Alonso N, Persing JA. Trans-Oral Submucosal Resection of the Inferior Turbinate: A Novel Approach to Functional Rhinoplasty. *Annals of Plastic Surgery*. 2012, January; 68(1): 46-48. PMID: 21467907
38. **Zahiri HR**, Perrone EE, Strauch ED. Bile Salt Supplementation Acts Via The Farnesoid X Receptor To Alleviate LPS-induced Intestinal Injury. *Surgery*. 2011, September; 150(3): 480-489. PMID: 21878234
39. Singh DP, Forte AJV, Apostolides JG, **Zahiri HR**, Stromberg JA, Alonso N. Z-Mammaplasty: A Novel Concept In Mastopexy. *Journal of Eplasty*. 2011, June 27; 11(E29): 260-269. PMID: 21738826
40. **Zahiri HR**, Stromberg JA, Skupsky H, Knepp E, Folstein M, Silverman RP, Singh DP. Prevention of 3 "Never Events" in the Operating Room: Fires, Gossypiboma, and Wrong-Site Surgery. *Surgical Innovation*. 2011, March; 18(1): 55-60. PMID: 21189266
41. Singh DP, Forte AJV, Apostolides JG, Stromberg JA, **Zahiri HR**, Alonso N, Persing JA. The Sentinel Fat Pads: The Relationship of the ROOF and SOOF to the Temporal Nerve in Facial Rejuvenation. *Aesthetic Surgery Journal*. 2011, January 14; 31(1): 11-20. PMID: 21239668

42. Paryavi E, Jobin C, Ludwig S, **Zahiri H**, Cushman J. Acute Exertional Lumbar Paraspinal Compartment Syndrome. *Spine*. 2010, December 1; 35(25): E1529-1533. PMID: 21102286
43. Kim KR, **Zahiri HR**, Cai J, Wilkerson R, Badder E, Queral L, Lucas PR. Coil Embolization for Renal Artery Aneurysm. *Endovascular Today*. 2009, August: 58-61.
44. Sabbagh M, **Zahiri HR**, Ceimo J, Cooper K, Gaul W, Connor D, Sparks DL. Is There a Characteristic Lipid Profile in Alzheimer's Disease? *Journal of Alzheimer's Disease*. 2004, December; 6(6): 585-589. PMID: 15665398

Abstracts

1. S Cook-Richardson, I Belyansky, P Kim, **HR Zahiri**. Outcomes Following Surgical Treatment of Chronic Groin Pain: A Single-Center 7-Year Retrospective Analysis.
 - *Presented at American College of Surgeons, Virtual, October 2021.*
2. S Cook-Richardson, P Kim, J Turcott, **HR Zahiri**, I Belyansky. Comparative Perioperative Outcomes and Cost Analysis of Minimally Invasive Versus Open Abdominal Wall Reconstruction.
 - *Presented at American Hernia Society Annual Meeting, Austin, Texas, September 2021.*
3. C Blevins, M Moghtader, A Addo, P George, I Belyansky, **HR Zahiri**. Countering a Dogma: Using Enhanced Recovery Pathways to Eliminate Opioids from Pain Management After Surgery.
 - *Presented at American College of Surgeons Annual Meeting, 2020.*
4. R Moscoso-Morales, C Blevins, A Addo, P George, I Belyansky, **HR Zahiri**. Utilization of a Perioperative Non-Opioid Protocol to Effectively Eliminate the Use of Opioids in Hernia Surgery.
 - *Presented at American Hernia Society Annual Meeting, 2020.*
5. A Addo, J Dove, A Maddox, Z Cooper, P George, **HR Zahiri**, I Belyansky. Retromuscular Drain Placement May Reduce Postoperative Fluid Collection Following Minimally Invasive Abdominal Wall Reconstruction.
 - *Presented at Society of American Gastrointestinal and Endoscopic Surgeons, Annual Meeting, Cleveland, OH, August 2020.*
6. A Addo, R Lu, A Broda, N Huerta, P George, **HR Zahiri**, I Belyansky. Impact of Body Mass Index (BMI) on Perioperative Outcomes Following Minimally Invasive retromuscular Abdominal Wall Reconstruction: A Comparative Analysis.
 - *Presented at Society of American Gastrointestinal and Endoscopic Surgeons, Annual Meeting, Cleveland, OH, August 2020.*

7. A Addo, P George, S Parmiter, A Broda, **HR Zahiri**, A Park. Patients with Laryngopharyngeal Reflux May Derive Long-Term Benefit from Antireflux Surgery.
 - *Presented at American Gastrointestinal and Endoscopic Surgeons, Annual Meeting, Cleveland, OH, August 2020.*
8. A Addo, J Dove, P George, **HR Zahiri**, A Park. Patients with Ineffective Esophageal Motility Benefit from Laparoscopic Antireflux Surgery. Laryngopharyngeal Reflux May Derive Long-Term Benefit from Antireflux Surgery.
 - *Presented at SSAT/DDW, Annual Meeting, Chicago, IL, May 2020.*
9. A Addo, A Estep, A Broda, R Lu, **HR Zahiri**, I Belyansky. The Perioperative Outcomes of Minimally Invasive versus Open Transversus Abdominis Release in Patients Undergoing Abdominal Wall Reconstruction.
 - *Presented at American College of Surgeons, Annual Meeting, San Francisco, CA, October 2019.*
10. A Park, Z Sanford, A Addo, A Broda, R Lu, S Wetz, **HR Zahiri**. Age-Related Outcomes in Laparoscopic Hiatal Hernia Repair: Is There an Age Limit for Antireflux Surgery.
 - *Presented at American College of Surgeons, 27th International EAES Congress Sevilla, Spain, June 2019.*
11. A Addo, ER Scott, AM Mohamed Ali, Z Sanford, A Wetz, **HR Zahiri**, A Park. Resolution of Anemia and Improved Quality of Life Following Laparoscopic Hiatal Hernia Repair.
 - *Presented at Society of American Gastrointestinal and Endoscopic Surgeons, Annual Meeting, Baltimore, MD, April 2019.*
12. A Addo, S Parlacoski, Z Ewart, A Broda, R Lu, **HR Zahiri**, I Belyansky. Comparative Review of Outcomes: Laparoscopic and Robotic Enhanced-View Totally Extraperitoneal Rives-Stoppa Abdominal Wall Reconstruction.
 - *Presented at Society of American Gastrointestinal and Endoscopic Surgeons, Annual Meeting, Baltimore, MD, April 2019.*
13. A Addo, S Parlacoski, Z Ewart, A Broda, R Lu, **HR Zahiri**, I Belyansky. The Enhanced-View Totally Extraperitoneal Rives-Stoppa Abdominal Wall Reconstruction: A Review of Outcomes.
 - *Presented at Society of American Hernia Society, Annual Meeting, Las Vegas, NV, March, 2019.*
14. A Addo, A Broda, A Estep, R Lu, **HR Zahiri**, J Turcotte, I Belyansky. Hybrid vs. Open Abdominal Wall Reconstruction: Early Outcomes.
 - *Presented at Society of American College of Surgeons Maryland Chapter Meeting, Annapolis, MD, March, 2019.*

15. A Addo, Z Sanford, A Weltz, J Clemmens, **HR Zahiri**, A Park. Normal Johnson-DeMeester Scores Should Not Preclude Patients from Anti-Reflux Surgery.

- *Presented at SSAT/DDW, Annual Meeting, Chicago, IL, May 2020.*

16. N Wu, US Sibia, AS Weltz, **HR Zahiri**, A Park. Trainee Involvement Does Not Adversely Impact Clinical Outcomes for Laparoscopic Foregut Surgery.

- *Presented at American College of Surgeons Annual Meeting, San Diego, California; October 23, 2017.*

17. AS Weltz, **HR Zahiri**, US Sibia, M Yates, N Wu, A Park. The Impact of Laparoscopic Anti-Reflux Surgery on Quality of Life: Do Patients with Atypical Symptoms Benefit?

- *Presented at American College of Surgeons Annual Meeting, San Diego, California; October 23, 2017.*

18. I Belyansky, AS Weltz, N Wu, **HR Zahiri**. Enhanced-TEP Rives Stoppa Repair.

- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*

19. N Wu, AS Weltz, **HR Zahiri**, I Belyansky. Robotic Assisted Repair of Large Recurrent Upper Midline Incisional Hernia and Bilateral Inguinal Hernias.

- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*

20. US Sibia US, R Redondo, AS Weltz, O Holmatova, P Paganelli, **HR Zahiri**, TR Turner, A Gandsas . Alleviation of Morbid Obesity and its Associated Comorbidities via Laparoscopic Sleeve Gastrectomy.

- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*

21. AS Weltz, US Sibia, M Tran, O Holmatova , J Clemmens, **HR Zahiri**, I Belyansky, TR Turner, A Park. Should Patients with Suspected Gastro-esophageal Reflux Disease and Normal DeMeester Score be Precluded from Consideration for Anti-Reflux Surgery?

- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*

22. AS Weltz, J Turcotte, US Sibia, E Zakharov, N Wu, TR Turner, **HR Zahiri**, I Belyansky. The Trend Toward Minimally Invasive Complex Abdominal Wall Reconstruction: Is It Worth It?

- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*

23. I Belyansky, J Daes , B Ramana, V Radu , AS Weltz, N Wu, H Miller, A Park, **HR Zahiri**, Y Novitsky. Laparoscopic Retromuscular Mesh Placement with Selective Transversus Abdominis Release: A Transcontinental Case Series.
- *Presented at Annual Meeting of Society of Gastrointestinal and Endoscopic Surgeons, Houston, TX; March 23, 2017.*
24. AS Weltz, US Sibia, N Wu, E Zakharov, A Park, **HR Zahiri**, I Belyansky. Intraperitoneal Onlay versus Retromuscular Mesh Placement for Ventral Hernia Repair: Is There A Difference?
- *Presented at 18th Annual American Hernia Society, Cancun, Mexico; March 8, 2017.*
25. AS Weltz, US Sibia, N Wu, E Zakharov, A Park, **HR Zahiri**, I Belyansky. Retromuscular mesh fixation with Fibrin Glue during Open, Laparoscopic and Robotic Abdominal Wall Reconstruction: Analysis of Operative Outcomes and Quality of Life.
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26. AS Weltz, U Sibia, **HR Zahiri**, A Park, I Belyansky. Operative Outcomes after Open Abdominal Wall Reconstruction with Retromuscular Mesh Fixation using Fibrin Glue Versus Transfascial Sutures.
- *Presented at Southeastern Surgical Congress, Nashville, TN; February 25-28, 2017.*
27. AS Weltz, N Wu, US Sibia, J Chamu, **HR Zahiri**, I Belyansky. Laparoscopic vs Robotic Transversus Abdominis Release Learning Curve: Is There a Difference?
- *Presented at Academic Surgical Congress, Las Vegas, NV; February 9, 2017.*
28. **HR Zahiri**, A Weltz, US Sibia, N Wu, O Holmatova, D Leydorf, G Fantry, A Park. “The Role of Body Mass Index in Determining Clinical and Quality of Life Outcomes after Laparoscopic Anti-Reflux Surgery.”
- *Presented at 2016 American College of Surgeon's Meeting, Washington, DC.; October 17, 2016.*
29. **HR Zahiri**, A Weltz, US Sibia, N Wu, O Holmatova, D Leydorf, G Fantry, A Park. “Patients are Well Served by Collis Gastroplasty When Indicated.”
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30. **HR Zahiri**, K Mohiuddin, A Weltz, S Leydorf, G Fantry, A Park. “Primary vs. Redo Paraesophageal Hiatal Hernia Repair: A Comparative Analysis of Operative and Quality of Life Outcomes.”
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31. HR Zahiri, US Sibia, OM Ghanem, A Mandelblatt, S Leydorf, A Park and I Belyansky. "The Impact of Panniculectomy on Operative Outcomes after Abdominal Wall Reconstruction to Treat Complex Hernia Defects."

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32. HR Zahiri, OM Ghanem, US Sibia, B Soper, A Holmatova, K Mohiuddin, A Park and I Belyansky. "Mesh Type and Its Impact on Operative Outcomes After Abdominal Wall Reconstruction in High Risk Patients."

- *Presented at 2016 American Hernia Society Meeting, Washington D.C.; April 2nd, 2016.*

33. K Mohiuddin, A Holmatova, **HR Zahiri**, A Park and I Belyansky. "Epidural Analgesia Following Abdominal Wall Reconstruction: Is It Beneficial?"

- *Presented at 2016 American Hernia Society Meeting, Washington D.C.; April 2nd, 2016*

34. I Belyansky, **HR Zahiri**, A Park. "Laparoscopic Transversus Abdominis Release, a Novel Minimally Invasive Approach to Complex Abdominal Wall Reconstruction."

- *Presented at 2016 Society of Gastrointestinal and Endoscopic Surgeons Boston, MA; March 19, 2016.*

35. US Sibia, **HR Zahiri**, A Park, P King, J MacDonald. "Multidisciplinary Enhanced Recovery After Surgery in Total Joint Replacement: Complication Rates After Improving ERAS to Shorten Patient Length of Stay"

- *Presented at 2015 American College of Surgeons Clinical Congress Meeting, Chicago, IL; October 4-8, 2015.*

36. O Ghanem, **HR Zahiri**, I George, T Keith, A Park, I Belyansky. "Laparoscopic Sub-Xiphoid Hernia Repair with Intracorporeal Suturing of Mesh to the Diaphragm as a Means to Decrease Recurrence"

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- *Presented at 2015 1st World Abdominal Wall Hernia Conference, Milan, Italy; April 25-29, 2015.*

38. HR Zahiri, M Benenati, US Sibia, B Sivak, A Park, I Belyansky. "Repair of Symptomatic Abdominal Bulging Improves Quality of Life and Core Muscle Functionality"

- *Presented at 2015 1st World Abdominal Wall Hernia Conference, Milan, Italy; April 25-29, 2015.*

39. A Park, **HR Zahiri**, C Pugh, M Vassiliou, G Voeller. "Raising the Quality of Hernia Care: Is There a Need?"

- *Presented at 2015 Society of American Gastrointestinal and Endoscopic Surgeons, Nashville, Tennessee ; April 15-18, 2015.*

40. A Park, **HR Zahiri**, C Pugh, M Vassiliou, G Voeller. "See One, Do One, Teach One: Inadequacies of Current Methods to Train Surgeons in Hernia Repair"

- *Presented at 2015 Society of American Gastrointestinal and Endoscopic Surgeons, Nashville, Tennessee ; April 15-18, 2015.*

41. **HR Zahiri**, SG Devlin, BE Ebert, MA Benenati, R Marvel, A Park, I Belyansky. "Intraoperative Assessment to Select Segmental Resection vs. Local Excision for Colonic Endometriosis."

- *Presented at 10th Annual Academic Surgical Congress, Las Vegas, Nevada; February 5th, 2015.*

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- *Presented at 55th Annual Ohio Valley Society of Plastic Surgeons; Cleveland, OH; May 18, 2012.*
- *Presented at 7th Annual Academic Surgical Congress Meeting, Las Vegas, NV; February 14, 2012.*
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- *Presented at American Society of Plastic Surgeons 2011 Meeting; Denver, Colorado; September 25, 2011.*
- *Presented at University of Maryland Harry L. Sponsellar, MD Surgical Forum; Baltimore, Maryland; June 24, 2011.*
- *Presented at 54th Annual Ohio Valley Society of Plastic Surgeons; Sulphur Springs, WV; June 3, 2011.*
- *Presented at 3rd Annual Johns Hopkins Plastic Surgery Research Seminar; Baltimore, MD; June 2, 2011.*

45. Zahiri HR, Lumpkins K, Kelishadi S, Zhu Y, Medina D, Stromberg JA, Silverman RP, Slezak S, Goldberg NH, Holton L, Singh DP. "Significant Predictors of Complications Post Sternal Wound Reconstruction: A 21-Year Experience". *Journal of Surgical Research*. Future Publication.

- Presented at 7th Annual Academic Surgical Congress Meeting, Las Vegas, NV; February 14, 2012.
- Presented at 28th Annual Meeting of Northeastern Society of Plastic Surgeons, Amelia Island, Florida; October 21, 2011.
- Presented at University of Maryland's Harry L. Sponsellar, MD Surgical Forum; Baltimore, Maryland; June 24, 2011.
- Presented at 54th Annual Ohio Valley Society of Plastic Surgeons; Sulphur Springs, WV; June 4, 2011.
- Presented at 3rd Annual Johns Hopkins Plastic Surgery Research Seminar; Baltimore, MD; June 2, 2011.
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- Presented at 56th Annual Meeting of Plastic Surgery Research Council; Louisville, Kentucky, USA; April 30, 2011.

47. Zahiri HR, Perrone EE, Strauch E. Bile Salt Supplementation Acts Via the Farnesoid X Receptor to Alleviate LPS-induced Intestinal Injury. *Journal of Surgical Research*. 165(2): 287-288.

- Presented at 6th Annual Academic Surgical Congress, Huntington Beach, CA; Feb 3, 2011.

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- Presented at Abdominal Wall Reconstruction Meeting; Washington, DC; June 18, 2010.

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- Presented at 6th Annual Academic Surgical Congress, Huntington Beach, CA; Feb 3, 2011.

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- Presented at 55th Annual Meeting of Plastic Surgery Research Council, Monterey, CA; May 25, 2010.

51. Zahiri HR and Yodh J. "Chromatin Unwinding by the UvrD DNA Repair Helicase".

- *Presented at American College of Physicians Scientific Meeting, Scottsdale, AZ; October 23, 2004.*

52. Zahiri HR and Yodh J. Analysis of Nucleosome Unwinding by DNA Helicases. *JAOA*. 2003, September; 103(9): 442.

- *Presented at AOA 108th Annual Convention and Scientific Seminar, New Orleans, LA; October 15, 2003.*

Professional Committees

1/1/2022 – 8/27/2024 Medical Executive Committee, Doctors Community Medical Center

Voting Member, involved in developing and overseeing organization quality, growth and development at Doctors Community Medical Center.

1/1/2022 – 8/27/2024 Surgical Education Committee, Howard University

Oversees curriculum, performance, and education of Howard University general surgery residents.

6/1/2021- 8/27/2024 Enhanced Recovery After Surgery (ERAS) Committee

To adopt and expand ERAS across service lines in the Department of Surgery, Doctors Community Medical Center.

8/1/2015 – 8/27/2024 Graduate Medical Education Committee, Luminis Health

Involved in devising curriculum, planning and launching general surgery residency and other graduate medical programs at Luminis Health.

8/1/2017 – 8/1/2018 Business Development Committee, Surgical Services, Anne Arundel Medical Center

Involved in planning and launching programs to increase a variety of regional surgical services provided by Anne Arundel Health System.

Mentoring Experience

7/1/2014 – 7/1/2015 Director of Premed High School Research Internship, SAIL Center, Anne Arundel Medical Center

Directed premedical high school students in research efforts and projects including retrospective reviews, research database design and construction, quality of life survey administration.

7/1/2014 – 7/1/2015 Director of Premed College Research Internship, SAIL Center, Anne Arundel Medical Center

Directed premedical college students in research efforts and projects including retrospective reviews, research database design and construction, quality of life survey administration and writing abstracts and manuscripts for publication.

Organization Memberships

Fellow of American College of Surgeons

Society of American Gastrointestinal and Endoscopic Surgeons

Languages

English, Spanish, Farsi

References

Provided Upon Request