

Curriculum Vitae for Ariel W. Knight, MD

Personal Information

Place of Birth: Kirkland, WA
Citizenship: United States of America
Email: awknight@stanford.edu

Professional Titles

Stanford University—Palo Alto, CA 09/2022—Present
Clinical Assistant Professor of Surgery
Department of Surgery
Division of Trauma, Acute Care Surgery, & Critical Care

Fellowship

University of California, San Francisco 08/2021—07/2022
Trauma & Acute Care Surgery—*Clinical Instructor*

University of California, San Francisco 08/2020-07/2021
Surgical Critical Care

Residency

Mayo Clinic—Rochester, MN 07/2015—06/2020
General Surgery
Administrative Chief Resident 2019-2020

Education

Wellesley College—Wellesley, MA 09/2004—05/2008
Bachelor of Arts in Biology and Women's Studies

University of Washington School of Medicine—Seattle, WA 09/2011—06/2015
Doctor of Medicine

Certifications

Board Certifications

American College of Surgeons
Board Certification in Surgical Critical Care 2021—Present
Board Certification in General Surgery 2021—Present
Advanced Trauma Life Support (ATLS)/Provider 2015—Present

American Heart Association (AHA)
Advanced Cardiovascular Life Support (ACLS)/Provider 2015—Present

Licensure

California 169411 (Medical)	2020—Present
Minnesota 61549 (Medical)	2016—2020
Wisconsin 67787 (Medical)	2017

Honors & Awards

Gold Humanism Honor Society—University of Washington School of Medicine, Seattle, WA	05/2014
Student Research Award—University of Washington Department of Surgery, Seattle, WA	05/2015
Silver Retractor Award—Department of Surgery, Mayo Clinic, Rochester, MN <i>Awarded to categorical and preliminary residents for outstanding performance during their intern year</i>	07/2015—06/2016
Surgical Consultant of the Year—Department of Emergency Medicine, University of California, San Francisco	06/2022

Service

Professional Memberships & Societies

American Association for the Surgery of Trauma (AAST) Associate Member	08/2020—Present
American College of Surgeons (ACS) Resident Member	06/2015—Present
Eastern Association for the Surgery of Trauma (EAST) Full Member	01/2021—Present
<i>Quality, Safety and Outcomes Committee Member</i>	01/2022—01/2025

Presentations

National—Oral

Residual Disease After Neoadjuvant Chemoradiotherapy Predicts Overall & Disease-Free Survival in Locally Advanced Esophageal Cancer Society of Thoracic Surgeons' 53 rd Annual Meeting— <i>Houston, TX</i>	01/25/2017
The Spectrum of Injuries Resulting from Gunshot Wounds in Car Hijacking: A South African Experience 4 th Annual World Congress of Trauma— <i>San Diego, CA</i>	09/28/2018

National—Oral (continued)

Trauma Over-Triage, Concurrent Trauma Activation, and Overlapping EGS Surgery Are Not Associated with Short- or Long-Term Mortality in EGS Patients
American Association for the Surgery of Trauma 77th Annual Meeting—*San Diego, CA* 09/29/2018

Disease Severity and Cost in Adhesive Small Bowel Obstruction
14th Annual Academic Surgical Congress—*Houston, TX* 02/07/2019

Post-Discharge Opioid Utilization in Laparoscopic versus Open Inguinal Hernia Repair
14th Annual Academic Surgical Congress—*Houston, TX* 02/07/2019

A Meta-Analysis and Systematic Review of the Impact of Diagnostic Modality on Clinical Outcomes of Traumatic Flail Chest
2019 Chest Wall Injury Summit—*Santa Fe, NM* 03/29/2019

Small Bowel Obstruction Managed Without Hospital Admission: A Safe Way to Reduce Time in the Hospital?
American Association for the Surgery of Trauma 78th Annual Meeting—*Dallas, TX* 09/21/2019

National—Poster

Long-Term Outcomes After Laparoscopic Heller Myotomy Surgery for Achalasia
2012 American College of Surgeons' Annual Clinical Congress—*Chicago, IL* 10/2012

Institutional

Residual Disease After Neoadjuvant Chemoradiotherapy Predicts Overall & Disease-Free Survival in Locally Advanced Esophageal Cancer
22nd Annual Balfour Surgery Research Symposium—*Rochester, MN* 12/02/2016

Concurrent Abdominal Visceral & Vascular Injury from Multicavitary Gunshot Wound
UCSF Department of Surgery Grand Rounds—*San Francisco, CA* 06/02/2021

Thoracoabdominal Gunshot Wound with Complex Duodenal Injury
UCSF Department of Surgery Grand Rounds—*San Francisco, CA* 12/01/2021

Grants & Multicenter Trials

1. Patient-Centered Outcomes Research Institute, “Implementing Best-Practice, Patient-Centered Venous Thromboembolism (VTE) Prevention in Trauma Centers,” 09/01/2020—08/31/2022.
 - Co-Investigator (4.0% funded salary support)
 - Site Principal Investigator: Joseph M. Cuschieri, MD
2. Northern California Research Consortium Studies, “Prospective Validation of the Rib Fracture Frailty Index.”
 - Co-Investigator
 - Site Principal Investigator: Ronald B. Tesoriero, MD

Bibliography

Peer-Reviewed Articles

1. Aye RW, Swanstrom LL, Kapur S, Buduhan G, Dunst CM, **Knight A**, Malmgren JA, Louie BE. A randomized multi-institution comparison of the laparoscopic Nissen and Hill repairs. *Ann Thorac Surg*. 2012 Sep;94(3):951-958. PMID: 22818965.
 - *Responsible for database creation and management. Participated extensively in data collection and analysis.*
2. Qureshi AP, Aye RW, Buduhan G, **Knight A**, Orlina J, Farivar AS, Wagner OJ, McHugh S, Louie BE. The laparoscopic Nissen-Hill hybrid: pilot study of a combined antireflux procedure. *Surg Endosc*. 2013 Jun;27(6):1945-1952. PMID: 23306589.
 - *Responsible for database creation and management. Participated extensively in data collection and analysis.*
3. Farivar AS, Cerfolio RJ, Vallieres E, **Knight AW**, Bryant A, Lingala V, Aye RW, Louie BE. Comparing robotic lung resection with thoracotomy and video-assisted thoracoscopic surgery cases entered into the Society of Thoracic Surgeons database. *Innovations (Phila)*. 2014 Jan-Feb;9(1):10-15. PMID: 24553055.
 - *Participated extensively in data collection and analysis. Assisted in authoring Results section of manuscript.*
4. Agzarian J, Visscher SL, **Knight AW**, Allen MS, Cassivi SD, Nichols FC, Shen KR, Wigle D, Blackmon SH. The cost burden of clinically significant esophageal anastomotic leaks—a steep price to pay. *J Thorac Cardiovasc Surg*. 2019 May;157(5):2086-2092. PMID: 30558876.
 - *Responsible for database creation and management. Participated extensively in data collection and analysis.*
5. **Knight AW**, Habermann EB, Ubl DS, Zielinski MD, Thiels CA. Opioid utilization in minimally invasive versus open inguinal hernia repair. *Surgery*. 2019 Nov;166(5):752-757. PMID: 31229314.

Peer-Reviewed Articles (continued)

6. Hernandez MC, Finnesgard EJ, Shariq OA, **Knight A**, Stephens D, Aho JM, Kim BD, Schiller HJ, Zielinski MD. Disease Severity and Cost in Adhesive Small Bowel Obstruction. *World J Surg*. 2019 Dec;43(12):3027-3034. PMID: 31555867.
- *Participated in data analysis and writing of manuscript.*
7. Hernandez MC, Traynor MD, **Knight AW**, Kong VY, Laing GL, Bruce JL, Bekker W, Zielinski MD, Clarke DL. Predicting the Outcome of Non-Operative Management of Splenic Trauma in South Africa. *World J Surg*. 2020 May;44(5):1485-1491. PMID: 31933042.
- *Participated extensively in writing of manuscript.*
8. Mahony CR, Traynor MD, **Knight AW**, Hughes JD, Hernandez MC, Finnesgard EJ, Musa J, Selby SL, Rivera M, Kim BD, Heller SF, Zielinski MD. Small bowel obstruction managed without hospital admission: A safe way to reduce both cost and time in the hospital? *Surgery*. 2021 Nov 20;S0039-6060(21):01042-44. PMID: 34815095.
- *Participated extensively in data analysis and writing of manuscript.*

Book Chapters

1. **Knight AW**, Blackmon SH. Avoiding and Treating Complications in VATS Lobectomy. In: Paul Modi, editor(s). *Perspectives in Cardiothoracic Surgery: The SCTS-Ionescu University Volume II. Volume 2. Chapter 10*. London: 2017. P. 125-140.
2. **Knight AW**, Campbell AR. Utility of Video-Assisted Thoracoscopic Surgery (VATS) in Acute Care Surgery. Submitted to SAGES May 2021.
3. **Knight AW**, Kim WC, Stein DM. Pelvic Fractures and Retroperitoneal Hematoma. In: Mohr AM, Upchurch GR, editors. *Fischer's Mastery of Surgery, 8th Edition*. Section 13, Chapter 13. Submitted December 2021.
4. **Knight AW**, Wang CC, Stein DM. Gallbladder & Biliary Tract. In: Nahmias JT, et al, editors. *Oncologic Surgical Emergencies: A practical guide for the general surgeon*, Springer, New York, 2022. Hot Topics in Acute Care Surgery and Trauma. Submitted December 2021.

Editorials/Other

1. **Knight AW**, Blackmon SH. The ongoing debate regarding optimal nutritional routes following esophagectomy. *J Thorac Dis*. 2016 Nov;8(11):3006-3008. PMID: 28066569.
2. **Knight AW**, Blackmon SH. Novel hybrid approaches for superior sulcus tumors. *Indian J of Thorac Cardiovasc Surg*. 2018;34:27-35.

Editorials/Other (continued)

3. Ghneim M, Albrecht J, Brasel K, **Knight A**, Liveris A, Watras J, Michetti CP, Haan J, Lightwine K, Winfield RD, Adams SD, Podbielski J, Armen S, Zacko JC, Nasrallah FS, Schaffer KB, Dunn JA, Smoot B, Schroepel TJ, Stillman Z, Cooper Z, Stein DM; Geri-TBI Study Group. Factors Associated with Receipt of Intracranial Pressure Monitoring in Elderly Patients with Traumatic Brain Injury. *Trauma Surg Acute Care Open*. 2021 Jul 23;6(1):e000733. PMID: 34395918.

- *Participated extensively with organization and writing of manuscript.*