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Bio

CLINICAL FOCUS

- Vascular Surgery

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Surgery - Vascular Surgery

PROFESSIONAL EDUCATION

- Medical Education: Virginia Commonwealth University School of Medicine Registrar (2016) VA
- Board Certification, American Board of Surgery , General Surgery (2023)
- MD, Virginia Commonwealth University School of Medicine (2016)
- Residency, University of Florida, Gainesville FL , General Surgery (2023)
- Fellowship, University of Alabama at Birmingham , Vascular Surgery (2025)

Publications

PUBLICATIONS

- **Atypical presentation of symptomatic type III popliteal artery entrapment syndrome with resultant popliteal artery pseudoaneurysm formation** *JOURNAL OF VASCULAR SURGERY CASES INNOVATIONS AND TECHNIQUES*
Grimm, J., Gupta, T., Filiberto, A., Rowse, J.
2026; 12 (2): 102090
- **Resource use for cholecystectomy with versus without cholangiography: A multicenter, propensity-matched analysis** *SURGERY*
Filiberto, A. C., Nyren, M. Q., Underwood, P. W., Balch, J. A., Abbott, K. L., Efron, P. A., Sarosi Jr, G. A., Bihorac, A., Upchurch Jr, G. R., Loftus, T. J.
2023; 174 (2): 152-158
- **Methods and evaluation metrics for reducing material waste in the operating room: a scoping review** *SURGERY*
Balch, J. A., Krebs, J. R., Filiberto, A. C., Montgomery, W. G., Berkow, L. C., Upchurch Jr, G. R., Loftus, T. J.
2023; 174 (2): 252-258
- **Bilateral renal artery stenosis impacts postoperative complications after major vascular surgery** *SURGERY OPEN SCIENCE*
Filiberto, A. C., Miao, S., Ren, Y., Ozrazgat-Baslanti, T., Hensley, S. E., Jacobs, C. R., Weaver, M., Upchurch Jr, G. R., Bihorac, A., Cooper, M.

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- **National Surgical Quality Improvement Project and acute kidney injury: Getting with the times** *SURGERY*
Filiberto, A. C., Cooper, M.
2023; 174 (1): 10
- **A simulation curriculum for laparoscopic common bile duct exploration, balloon sphincterotomy, and endobiliary stenting: Associations with resident performance and autonomy in the operating room** *SURGERY*
Nyren, M. Q., Filiberto, A. C., Underwood, P. W., Abbott, K. L., Balch, J. A., Efron, P. A., George, B. C., Shickel, B., Upchurch Jr, G. R., Sarosi Jr, G. A., Loftus, T. J.
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- **Surgical resident experience with common bile duct exploration and assessment of performance and autonomy with formative feedback** *WORLD JOURNAL OF EMERGENCY SURGERY*
Nyren, M. Q. Q., Filiberto, A. C. C., Underwood, P. W. W., Abbott, K. L. L., Balch, J. A. A., Mas, F., Cobianchi, L., Efron, P. A. A., George, B. C. C., Shickel, B., Upchurch Jr, G. R. R., Sarosi Jr, G. A. A., Loftus, et al
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- **Sex differences in specialized pro-resolving lipid mediators and their receptors in abdominal aortic aneurysms** *JVS-VASCULAR SCIENCE*
Filiberto, A. C., Leroy, V., Ladd, Z., Su, G., Elder, C. T., Pruitt, E. Y., Lu, G., Hartman, J., Zarrinpar, A., Garrett, T. J., Sharma, A. K., Upchurch Jr, G. R.
2023; 4: 100107
- **Resolution of inflammation via RvD1/FPR2 signaling mitigates Nox2 activation and ferroptosis of macrophages in experimental abdominal aortic aneurysms** *FASEB JOURNAL*
Filiberto, A. C., Ladd, Z., Leroy, V., Su, G., Elder, C. T., Pruitt, E. Y., Hensley, S. E., Lu, G., Hartman, J. B., Zarrinpar, A., Sharma, A. K., Upchurch, G. R.
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- **Psoas Muscle Area as a Prognostic Factor for Survival in Patients Undergoing Endovascular Aneurysm Repair Conversion**
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- **Sex-based differences in patients undergoing thoracic endovascular aortic repair for acute complicated type B dissection**
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- **Personalized decision-making for acute cholecystitis: Understanding surgeon judgment** *FRONTIERS IN DIGITAL HEALTH*
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- **Endothelial pannexin-1 channels modulate macrophage and smooth muscle cell activation in abdominal aortic aneurysm formation** *NATURE COMMUNICATIONS*
Filiberto, A. C., Spinosa, M. D., Elder, C. T., Su, G., Leroy, V., Ladd, Z., Lu, G., Mehaffey, J., Salmon, M. D., Hawkins, R. B., Ravichandran, K. S., Isakson, B. E., Upchurch, et al
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- **Machine Learning in Clinical Decision-Making** *FRONTIERS IN DIGITAL HEALTH*
Filiberto, A. C., Leeds, I. L., Loftus, T. J.
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- **Treatment and Outcomes of Aortic Graft Infections Using a Decision Algorithm**
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- **Maresin 1 activates LGR6 signaling to inhibit smooth muscle cell activation and attenuate murine abdominal aortic aneurysm formation** *FASEB JOURNAL*
Elder, C. T., Filiberto, A. C., Su, G., Ladd, Z., Leroy, V., Pruitt, E. Y., Lu, G., Jiang, Z., Sharma, A. K., Upchurch, G. R.
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- **Optimizing predictive strategies for acute kidney injury after major vascular surgery** *SURGERY*
Filiberto, A. C., Ozrazgat-Baslanti, T., Loftus, T. J., Peng, Y., Datta, S., Efron, P., Upchurch Jr, G. R., Bihorac, A., Cooper, M. A.

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- **Intraoperative hypotension and complications after vascular surgery: A scoping review** *SURGERY*
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2021; 170 (1): 311-317
- **Prevalence and extent of industry support for program directors of surgical fellowships in the United States (vol 168, pg 1101, 2020)** *SURGERY*
Balch, J. A., Cooper, L., Filiberto, A. C., Chan, P. E., Riner, A. N., Sarosi, G. A., Tan, S. A.
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- **Cardiovascular and Renal Disease in Chronic Critical Illness** *JOURNAL OF CLINICAL MEDICINE*
Loftus, T. J., Filiberto, A. C., Ozrazgat-Baslanti, T., Gopal, S., Bihorac, A.
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- **Performance Improvement With Implementation of a Surgical Skills Curriculum** *JOURNAL OF SURGICAL EDUCATION*
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- **Metabolomic Profiling for Diagnosis and Prognostication in Surgery: A Scoping Review** *ANNALS OF SURGERY*
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- **Objective predictors of intern performance** *BMC MEDICAL EDUCATION*
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- **Fluoroquinolones and Aortic Disease-Is It Time to Broaden the Warning?** *JAMA SURGERY*
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- **Prevalence and extent of industry support for program directors of surgical fellowships in the United States** *SURGERY*
Balch, J. A., Cooper, L., Filiberto, A. C., Chan, P. E., Sarosi, G. A., Tan, S. A.
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- **Opportunities for machine learning to improve surgical ward safety** *AMERICAN JOURNAL OF SURGERY*
Loftus, T. J., Tighe, P. J., Filiberto, A. C., Balch, J., Upchurch, G. R., Rashidi, P., Bihorac, A.
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- **Intelligent, Autonomous Machines in Surgery** *JOURNAL OF SURGICAL RESEARCH*
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- **Decision analysis and reinforcement learning in surgical decision-making** *SURGERY*
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- **Performance advantages for grit and optimism** *AMERICAN JOURNAL OF SURGERY*
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- **Gender differences among surgical fellowship program directors**
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MOSBY-ELSEVIER.2019: 735-737
- **Effects of over-the-counter analgesic use on reproductive hormones and ovulation in healthy, premenopausal women** *HUMAN REPRODUCTION*

Matyas, R. A., Mumford, S. L., Schliep, K. C., Ahrens, K. A., Sjaarda, L. A., Perkins, N. J., Filiberto, A. C., Mattison, D., Zarek, S. M., Wactawski-Wende, J., Schisterman, E. F.
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- **Usual dietary isoflavone intake and reproductive function across the menstrual cycle** *FERTILITY AND STERILITY*
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2013; 100 (6): 1727-1734
- **A Gene-Specific Method for Predicting Hemophilia-Causing Point Mutations** *JOURNAL OF MOLECULAR BIOLOGY*
Hamasaki-Katagiri, N., Salari, R., Wu, A., Qi, Y., Schiller, T., Filiberto, A. C., Schisterman, E. F., Komar, A. A., Przytycka, T. M., Kimchi-Sarfaty, C.
2013; 425 (21): 4023-4033
- **Habitual Dietary Isoflavone Intake Is Associated with Decreased C-Reactive Protein Concentrations among Healthy Premenopausal Women** *JOURNAL OF NUTRITION*
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- **The Utility of Menstrual Cycle Length as an Indicator of Cumulative Hormonal Exposure** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Mumford, S. L., Steiner, A. Z., Pollack, A. Z., Perkins, N. J., Filiberto, A. C., Albert, P. S., Mattison, D. R., Wactawski-Wende, J., Schisterman, E. F.
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- **Birthweight is associated with DNA promoter methylation of the glucocorticoid receptor in human placenta** *EPIGENETICS*
Filiberto, A. C., Maccani, M. A., Koestler, D., Wilhelm-Benartzi, C., Avissar-Whiting, M., Banister, C. E., Gagne, L. A., Marsit, C. J.
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