



## Shipra Arya, MD SM FACS

Professor of Surgery (Vascular Surgery)

Surgery - Vascular Surgery

### CLINICAL OFFICE (PRIMARY)

- **Stanford Vascular Surgery**

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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### Bio

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#### BIO

Shipra Arya, MD SM FACS is a Professor of Surgery at the Stanford University School of Medicine and section chief of vascular surgery at VA Palo Alto Healthcare System. She has a Master's degree in epidemiology from the Harvard School of Public Health with focus on research methodology and cardiovascular epidemiology. She completed her General Surgery Residency at Creighton University Medical Center followed by a Vascular Surgery Fellowship at University of Michigan. She has been funded by American Heart Association (AHA), NIH/NIA GEMSSTAR grant, VA Palo Alto Center for Innovation and Implementation (Ci2i), and is currently funded by VA HSR&D for a multicenter stepped wedge cluster randomized clinical trial called "PATient-centered mUltiDisciplinary Care for vEterans Undergoing Surgery (PAUSE) trial". Her current work focuses on streamlining frailty evaluation, as well as implementation of patient and system level interventions to improve surgical quality and to provide high-value and patient centered care.

She has multiple administrative roles in surgical quality improvement as Director of Surgical Quality at VAPAHCS; Center director for Stanford University in the Vascular Quality Initiative (VQI); and the Associate Medical Director of the Northern California region for VQI, which is the national registry database and patient safety organization for Society for Vascular Surgery (SVS). Her involvement in SVS VQI also extends to being a member of the steering committee of the Vascular Implant Surveillance and Interventional Outcomes Network (VISION) to improve the quality, safety and effectiveness of vascular care. She also serves as the President of the Surgical Outcomes Club, a national organization of surgical health services researchers, and chairs multiple national committees: VA surgeons committee for the SVS and Diversity and Inclusion Committee for the Association of VA surgeons.

#### CLINICAL FOCUS

- Vascular Surgery
- Peripheral Arterial Disease
- Aortic Aneurysms
- Carotid artery disease

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Surgery - Vascular Surgery
- Member, Cardiovascular Institute

## ADMINISTRATIVE APPOINTMENTS

- Accountable Care Champion, Department of Surgery, Stanford Medicine, (2025- present)
- Director of Quality, VA Palo Alto Healthcare System, (2020- present)
- Section Chief- Vascular Surgery, VA Palo Alto Healthcare System, (2018- present)

## PROFESSIONAL EDUCATION

- Fellowship: University of Michigan (2013) MI
- Board Certification: Vascular Surgery, American Board of Surgery (2014)
- Board Certification: General Surgery, American Board of Surgery (2012)
- Residency: Creighton University General Surgery Residency (2011) NE
- Medical Education: All India Institute of Medical Sciences (2005) India

## LINKS

- Arya Lab Site: <https://med.stanford.edu/arya-lab.html>

## Research & Scholarship

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### CLINICAL TRIALS

- Patient-centered multidisciplinary Care for Veterans Undergoing Surgery (PAUSE), Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Benjamin Liu

## Publications

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### PUBLICATIONS

- **Preimplementation expectations and perceptions of a preoperative frailty screening and optimization intervention: A qualitative analysis.** *Surgery*  
Cosby, Z. N., Langston, A. H., Doruk, R. N., Sasnal, M., Giannitrapani, K. F., Harris, A. H., Morris, A. M., Arya, S.  
2025; 188: 109676
- **The Surgical Pause: The Importance of Measuring Frailty and Taking Action to Address Identified Frailty** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*  
Hall, D. E., Hagan, D., Ashcraft, L., Wilson, M., Arya, S., Johannig, J. M.  
2025; 51 (3): 167-177
- **Perspectives on Home Time and Its Association With Quality of Life After Inpatient Surgery Among US Veterans.** *JAMA network open*  
Arya, S., Langston, A. H., Chen, R., Sasnal, M., George, E. L., Kashikar, A., Barreto, N. B., Trickey, A. W., Morris, A. M.  
1800; 5 (1): e2140196
- **Association Between Patient Frailty and Postoperative Mortality Across Multiple Noncardiac Surgical Specialties.** *JAMA surgery*  
George, E. L., Hall, D. E., Youk, A., Chen, R., Kashikar, A., Trickey, A. W., Varley, P. R., Shireman, P. K., Shinall, M. C., Massarweh, N. N., Johannig, J., Arya, S.  
2020: e205152
- **Association of Statin Dose With Amputation and Survival in Patients With Peripheral Artery Disease.** *Circulation*  
Arya, S., Khakharia, A., Binney, Z. O., DeMartino, R. R., Brewster, L. P., Goodney, P. P., Wilson, P. W.  
2018; 137 (14): 1435–46

- **Does one size fit all? Screening implications for abdominal aortic aneurysms in women.** *Journal of vascular surgery*  
Berens, P., Arya, S.  
2026; 83 (6): 1531-1532
- **Balancing Days at Home and Major Adverse Limb Events After Surgical Versus Endovascular Lower-Extremity Revascularization in Chronic Kidney Disease.** *Journal of the American Heart Association*  
Chang, T. I., Parvathinathan, G., Liu, S., Lee, J. Y., Etemadi, A., Arya, S., Stedman, M. R.  
2026: e048230
- **Secondary Prevention Strategies For Patients with Lower Extremity Peripheral Artery Disease After Successful Peripheral Vascular Intervention.** *American heart journal*  
Gouda, P., Secemsky, E. A., Hess, C. N., Arya, S., Fokorede, F., Mehran, R., Bonaca, M. P., Patel, M. R., Jones, W. S.  
2026: 107446
- **Navigating the Complexity of Lung Cancer Surveillance Practices: Qualitative Pilot Study on Provider Perspectives.** *JMIR cancer*  
Woo, J. M., Conover, S., Gray, C., Arya, S., Wu, J. T.  
2026; 12: e80659
- **Validation of the Society for Vascular Surgery Appropriate Use Criteria for Management of Intermittent Claudication.** *Journal of vascular surgery*  
Vega, A. A., Mavilian, C., Alabi, O., Arya, S., Brooke, B. S., Chester, C., Conte, M. S., George, E. L., Fei, K., Fereydooni, A., Iannuzzi, J. C., Kabbani, L. S., Koleilat, et al  
2026
- **Peripheral Vascular Calcification.** *Arteriosclerosis, thrombosis, and vascular biology*  
Lee, S., Woo, J., Chen, Y., Arya, S., Allison, M.  
2026
- **Liberal or Restrictive Transfusion Strategy after General and Vascular Surgery: The Transfusion Trigger after Major Operations in High Cardiac Risk Patients Trial**  
Kougias, P., Zhan, M., Sharath, S., Carson, J., Arya, S., Sarosi, G., Dosluoglu, H., Nelson, P., Modrall, J., Norman, E., Scrymgeour, A., Mi, Z., Huang, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Progression to Chronic Limb-Threatening Ischemia After Index Revascularization for Claudication.** *JAMA surgery*  
Alabi, O., Rokosh, R., Zheng, X., Hicks, C. W., Spangler, E. L., Velazquez, G., Hughes, K., Goodney, P., George, E. L., Mao, J., Arya, S., Corriere, M. A.  
2025
- **Liberal or Restrictive Postoperative Transfusion in Patients at High Cardiac Risk: The TOP Randomized Clinical Trial.** *JAMA*  
Kougias, P., Sharath, S. E., Zhan, M., Carson, J. L., Norman, L. E., Mi, Z., Pal, R., Dosluoglu, H., Modrall, J. G., Sarosi, G. A., Nelson, P., Arya, S., Scrymgeour, et al  
2025
- **Frailty, emergency laparotomy and the long road beyond 90 days.** *Anaesthesia*  
Fereydooni, A., Arya, S.  
2025
- **Blood Pressure and Risk of Clinical Events in Peripheral Artery Disease.** *medRxiv : the preprint server for health sciences*  
Girotra, S., Vaughan-Sarrazin, M., de Lemos, J. A., Chan, P. S., Gupta, A. K., Li, Q., Nguyen, C., Lund, B. C., Nathani, R., Hoffman, R. M., Gobbel, G. T., Al-Garadi, M., Matheny, et al  
2025
- **Corrigendum to: "Frailty Screening Using the Risk Analysis Index: A User Guide" [The Joint Commission Journal on Quality and Patient Safety Volume 51, Issue 3 (2025) Pages 178-191].** *Joint Commission journal on quality and patient safety*  
Hall, D. E., Jacobs, C. A., Reitz, K. M., Arya, S., Jacobs, M. A., Cashy, J., Johanning, J. M.  
2025
- **Perioperative Evaluation and Risk Stratification of the Elderly Patient Undergoing Vascular Intervention.** *Seminars in vascular surgery*  
Cui, C. L., Fereydooni, A., Arya, S., Drudi, L. M.  
2025; 38 (3): 209-218

- **Validation of the Society for Vascular Surgery Appropriate Use Criteria for Management of Intermittent Claudication**  
Mavilian, C., Vega, A., Alabi, O., Arya, S., Brooke, B. S., Chester, C., Conte, M. S., Fereydooni, A., George, E. L., Iannuzzi, J., Kabbani, L., Lee, M., Mize, et al  
MOSBY-ELSEVIER.2025
- **Challenges and solutions for using Medicare claims data to determine the rate of types I and III endoleak after endovascular aortic aneurysm repair.** *Journal of vascular surgery*  
Cronenwett, J. L., Dalman, R. L., Simons, J. P., Schermerhorn, M., Beck, A. W., Arya, S., Oderich, G. S., Eldrup-Jorgensen, J., Goodney, P. P.  
2025; 82 (2): 703-704
- **Association between Imaging Surveillance Compliance and Long-Term Outcomes after Endovascular Abdominal Aortic Aneurysm Repair at VA Hospitals.** *Journal of vascular surgery*  
Newton, L. E., Ponukumati, A., Zwain, G., Korves, C., Mao, J., Moore, K., Arya, S., Alabi, O., Scali, S., Greenleaf, E., Suckow, B., Stone, D., Spangler, et al  
2025
- **Endovascular surgery does not mitigate the adverse effects of frailty on the risk of losing life or limb.** *Journal of vascular surgery*  
Sorondo, S. M., Arnow, K., Kashikar, A., Fereydooni, A., Trickey, A. W., Arya, S., George, E. L.  
2025
- **Prehabilitation and rehabilitation in peripheral arterial disease: Protocol and study design of the PREPARE-IT trial.** *Contemporary clinical trials*  
Myers, J., Chan, K., Nguyen, P., Dcep, C. G., Gautam, P., Arya, S., Aalami, O.  
2025: 107984
- **A Longitudinal Accounting of Acute Kidney Injury After EVAR Surveillance Imaging in a National Health System**  
Newton, L. E., Goodney, P., Zwain, G., Korves, C., Spangler, E., Bellamkonda, K. S., Moore, K., Arya, S., Alabi, O., Scali, S. T., Greenleaf, E., Soybel, D., Basilious, et al  
MOSBY-ELSEVIER.2025
- **Fully Automated Multimodal Risk Assessment Using Body Composition Biomarkers and Frailty Scores Enhances Mortality Prediction in Patients Undergoing Cardiovascular Surgery**  
Fereydooni, A., Liu, B., Blankemeier, L., Jensen, M., Lakshmi, A., Fisher, A. T., Lopez, I., Boutin, R., Chaudhari, A., Arya, S.  
MOSBY-ELSEVIER.2025: E199-E200
- **The Impact of Socioeconomic Metrics on the Outcomes of Endovascular Treatment of Aortic Dissection: A Mediation Analysis**  
Eshraghian, E., Fereydooni, A., Cabot, J., Yang, L., Liu, B., Sorondo, S., Berens, P., Satam, K., Arya, S., Lee, J., George, E. L.  
MOSBY-ELSEVIER.2025: E117-E119
- **Enabling national identification of lung cancer screening eligibility with large language models.**  
Wu, J., Conover, S., Su, C., Corrigan, J., Culnan, J., Liu, Y., Kelley, M. J., Do, N., Arya, S., Harris, A. H. S., Langlotz, C., Wiener, R., Branch-Elliman, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025: e13613
- **Understanding the Risks of Abdominal Aortic Endograft Explantation with Early Outcomes from Two Decades of Experience.** *Journal of vascular surgery*  
Huang, A., Brown, C., Arya, S., Gallagher, K., Eliason, J.  
2025
- **Quantification of arterial calcification in peripheral artery disease and its association with amputation and/or mortality: A systematic review.** *Vascular medicine (London, England)*  
Woo, J., Fereydooni, A., Patel, J., Lakshmi, A., Lee, S., Trickey, A., Arya, S.  
2025: 1358863X251334572
- **Reporting of race, ethnicity, and gender in lower-extremity peripheral artery disease randomized controlled trials.** *Vascular medicine (London, England)*  
Nair, K., Mize, B. M., White, M. S., Akintobi, T. H., Patzer, R. E., Arya, S., Alabi, O.  
2025: 1358863X251322177
- **Frailty and Survival for Diagnoses Feasibly Managed Operatively or Nonoperatively.** *Annals of surgery*

- Mosher, E., Nassereldine, H., McKibben, J. C., Johanning, J., Arya, S., Massarweh, N. N., Shah, R., Shinall, M., Shireman, P., Varley, P. R., George, E. L., Youk, A., Backhus, et al  
2025
- **Imaging Surveillance Adherence After Endovascular Abdominal Aortic Aneurysm Repair at VA Hospitals.** *JAMA network open*  
Newton, L. E., Ponukumati, A., Zwain, G., Korves, C., Mao, J., Moore, K., Arya, S., Alabi, O., Scali, S., Greenleaf, E., Stone, D., Spangler, E., Goodney, et al  
2025; 8 (4): e256852
  - **Establishing Clinically Operational Domains of Multidimensional Frailty: A Consensus Approach to Improve Multidimensional Frailty Diagnosis at Point of Care.** *The Gerontologist*  
Shapiro, L. M., Arya, S., Adeli, E., Fredericson, M., Kaplan, R. M., Eppler, S. L., Lorenz, K., Lorig, K., Marwell, J., Schmiesing, C., Schroeder, R., Schulman, K., Trivedi, et al  
2025
  - **Long-Term Outcomes of Peripheral Artery Disease in Veterans: Analysis of the Peripheral Artery Disease Long-Term Survival Study (PEARLS).** *Journal of the American Heart Association*  
Girotra, S., Li, Q., Vaughan-Sarrazin, M., Lund, B. C., Al-Garadi, M., Beckman, J. A., Nathani, R., Hoffman, R. M., Chan, P. S., Banerjee, S., Tsai, S., Kumbhani, D. J., Minniefield-Young, et al  
2025: e038403
  - **Optimizing Prehabilitation-Aligning the Right Patients With the Right Program.** *JAMA surgery*  
Reitz, K. M., Arya, S.  
2025
  - **Frailty Screening Using the Risk Analysis Index: A User Guide** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*  
Hall, D. E., Jacobs, C. A., Reitz, K. M., Arya, S., Jacobs, M. A., Cashy, J., Johanning, J. M.  
2025; 51 (3): 178-191
  - **Leveraging the Vascular Quality Initiative to Reduce Length of Stay following Elective Carotid Endarterectomy and Endovascular Aortic Aneurysm Repair.** *Journal of vascular surgery*  
Dossabhoy, S. S., Lahiji-Neary, T., Morta, J., Miklosey, L., Flores, T., King, C., Moreno, C. A., Fallorina, R., Bagdasarian, A., Arya, S., Stern, J. R., Lee, J. T., Dalman, et al  
2025
  - **Practical Guide to Image-Based Big Data Research.** *JAMA surgery*  
Ross, E. G., Arya, S., Melcher, M. L.  
2025
  - **Best Practices for Big Data Sources and Methods in Surgery.** *JAMA surgery*  
Arya, S., Dossett, L. A., Kibbe, M. R.  
2025
  - **Radial Access Approach to Peripheral Vascular Interventions: A Scientific Statement From the American Heart Association** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*  
Kovacic, J. C., Skelding, K. A., Arya, S., Ballard-Hernandez, J., Goyal, M., Ijioma, N. N., Kicielinski, K., Takahashi, E. A., Ujueta, F., Dangas, G., Council Clinical Cardiology, Council Cardiovasc Stroke Nursing, Council Peripheral Vasc Dis, Council Cardiovasc Radiology Intervention  
2025; 18 (1): e000094
  - **Peripheral Vascular Calcification** *Arteriosclerosis, Thrombosis, and Vascular Biology*  
Lee, S., Woo, J. M., Chen, Y., Arya, S., Allison, M.  
2025
  - **THE PAUSE TRIAL: LESSONS ABOUT SURGICAL PAUSE FROM AN RCT**  
Arya, S.  
OXFORD UNIV PRESS.2024: 479
  - **Correction: The performance status gap in immunotherapy for frail patients with advanced non-small cell lung cancer.** *Cancer immunology, immunotherapy : CII*  
Wu, J. T., Corrigan, J., Su, C., Dumontier, C., La, J., Khan, A., Arya, S., Harris, A. H., Backhus, L., Das, M., Do, N. V., Brophy, M. T., Han, et al  
2024; 74 (1): 34

- **Frailty and Long-Term Health Care Utilization After Elective General and Vascular Surgery.** *JAMA surgery*  
Dossabhoy, S. S., Graham, L. A., Kashikar, A., George, E. L., Seib, C. D., Tamura, M. K., Wagner, T. H., Hawn, M. T., Arya, S.  
2024
- **Gastrointestinal complications and visceral circulation changes after intentional celiac artery embolization during complex endovascular aortic repair.** *Journal of vascular surgery*  
Fereydooni, A., Franco, C. T., Sorondo, S. M., Dossabhoy, S. S., George, E. L., Watkins, A. C., Arya, S., Lee, J. T.  
2024
- **Propensity Score Matched Comparison of EndoSuture versus Fenestrated Aortic Aneurysm Repair in Treatment of Abdominal Aortic Aneurysms with Unfavorable Neck Anatomy.** *Journal of vascular surgery*  
Fereydooni, A., Satam, K., Dossabhoy, S., Trogolo Franco, C. I., Sorondo, S., Arya, S., Ullery, B. W., Lee, J. T.  
2024
- **Implementation of a Preoperative Frailty Screening and Optimization Pathway for Vascular Surgery Patients is Associated with Decreased 30-Day Readmission.** *Journal of vascular surgery*  
Dossabhoy, S. S., Manuel, S. R., Yawary, F., Lahiji-Neary, T., Cheng, N., Cianfichi, L., Bagdasarian, A., George, E. L., Marwell, J. G., Lee, J. T., Dalman, R. L., Schmiesing, C., Arya, et al  
2024
- **Survival and Functional Status after Unanticipated Operation in Long-Term Nursing Home Residents**  
Azad, T. D., Johannig, J. M., Arya, S., Hall, D. E., Walston, J., Ling, S., Hersh, A.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S203
- **Comparison of Open and Endovascular Repair of Complex Abdominal Aortic Aneurysms.** *Journal of vascular surgery*  
Yadavalli, S. D., Rastogi, V., Mehta, A., Allievi, S., Solomon, Y., de Bruin, J. L., Arya, S., Stangenberg, L., Verhagen, H. J., Schermerhorn, M. L.  
2024
- **Implementing Wearable Devices in Postoperative Care.** *JAMA network open*  
Wu, J. T., Arya, S.  
2024; 7 (9): e2434124
- **Long-term Outcomes of Peripheral Artery Disease In Veterans: Analysis of the PERipheral ARtery Disease Long-term Survival Study (PEARLS).** *medRxiv : the preprint server for health sciences*  
Girotra, S., Li, Q., Vaughan-Sarrazin, M., Lund, B. C., Al-Garadi, M., Beckman, J. A., Nathani, R., Hoffman, R. M., Chan, P. S., Banerjee, S., Tsai, S., Kumbhani, D. J., Minniefield-Young, et al  
2024
- **Effect of Starting Dialysis Versus Continuing Medical Management on Survival and Home Time in Older Adults With Kidney Failure : A Target Trial Emulation Study.** *Annals of internal medicine*  
Montez-Rath, M. E., Thomas, I. C., Charu, V., Odden, M. C., Seib, C. D., Arya, S., Fung, E., O'Hare, A. M., Wong, S. P., Kurella Tamura, M.  
2024
- **The performance status gap in immunotherapy for frail patients with advanced non-small cell lung cancer.** *Cancer immunology, immunotherapy : CII*  
Wu, J. T., Corrigan, J., Su, C., Dumontier, C., La, J., Khan, A., Arya, S., Harris, A. H., Backhus, L., Das, M., Do, N. V., Brophy, M. T., Han, et al  
2024; 73 (9): 172
- **Decision making in the frail vascular surgery patient: A scoping review.** *Seminars in vascular surgery*  
Fereydooni, A., Johnson, C. E., Brooke, B. S., Arya, S.  
2024; 37 (2): 224-239
- **The Association Between Frailty and Outcomes Following Ruptured Abdominal Aortic Aneurysm Repair.** *Journal of vascular surgery*  
Yu, J., Khamzina, Y., Kennedy, J., Liang, N. L., Hall, D. E., Arya, S., Tzeng, E., Reitz, K. M.  
2024
- **Outcomes of Women Undergoing Noncardiac Surgery in Veterans Affairs Compared With Non-Veterans Affairs Care Settings.** *JAMA surgery*  
George, E. L., Jacobs, M. A., Reitz, K. M., Massarweh, N. N., Youk, A. O., Arya, S., Hall, D. E.  
2024

- **Preoperative Proteinuria is Independently Associated with Mortality after Fenestrated Endovascular Aneurysm Repair.** *Journal of vascular surgery*  
Dossabhoy, S. S., Fisher, A. T., Chang, T. I., Owens, D. K., Arya, S., Stern, J. R., Lee, J. T.  
2024
- **Comprehensive framework of factors accounting for worse aortic aneurysm outcomes in females: A scoping review.** *Seminars in vascular surgery*  
De Freitas, S., Falls, G., Weis, T., Bakhshi, K., Korepta, L. M., Bechara, C. F., Erben, Y., Arya, S., Fatima, J.  
2023; 36 (4): 508-516
- **Artificial intelligence in clinical workflow processes in vascular surgery and beyond.** *Seminars in vascular surgery*  
Dossabhoy, S. S., Ho, V. T., Ross, E. G., Rodriguez, F., Arya, S.  
2023; 36 (3): 401-412
- **A Retrospective Cohort Study to Evaluate Adding Biomarkers to the Risk Analysis Index of Frailty.** *The Journal of surgical research*  
Estock, J. L., Pandalai, P. K., Johanning, J. M., Youk, A. O., Varley, P. R., Arya, S., Massarweh, N. N., Hall, D. E.  
2023; 292: 130-136
- **Sex differences in outcomes among adults undergoing abdominal aortic aneurysm repair.** *Journal of vascular surgery*  
Ramkumar, N., Suckow, B. D., Columbo, J. A., Arya, S., Sedrakyan, A., Mackenzie, T. A., Brown, J. R., Goodney, P. P.  
2023
- **Optimal Medical Therapy: Key to Improved Lower Extremity Outcomes, Especially Following Endovascular and Infrainguinal Revascularization for Intermittent Claudication**  
Hafeez, M., Khamzina, Y., Andraska, E., Meyer, J., Liang, N. L., Sridharan, N. D., Hall, D., Arya, S., Tzeng, E., Reitz, K. M.  
MOSBY-ELSEVIER.2023: E245-E246
- **Sex-stratified 5-Year Outcomes Following Endovascular Versus Open Repair of Complex Abdominal Aortic Aneurysms**  
Yadavalli, S., Rastogi, V., Mehta, A., Allievi, S., de Bruin, J. L., Arya, S., Stangenberg, L., Verhagen, H. J. M., Schermerhorn, M. L.  
MOSBY-ELSEVIER.2023: E105-E106
- **Procedure Mix and Regional Variation in Vascular Community Care Referrals in the Veterans Administration Health Care System**  
Costanza, M., Kiang, S. C., Tang, G. L., Hal-Pern, V., Summers, K., Feghali, A., Tsai, S., Alabi, O., Carlson, S., Beavers, F., Mouawad, N. J., Morgan, C., Arya, et al  
MOSBY-ELSEVIER.2023: E349-E350
- **SVM Communications: Using registries to investigate vascular disease.** *Vascular medicine (London, England)*  
Holder, T. A., Alabi, O., Arya, S., Beach, J. M., Eagle, K., Kim, E. S., Shalhub, S., Gornik, H. L.  
2023: 1358863X231169808
- **Simplifying Hospital Quality Comparisons for Vascular Surgery Using Center-level Frailty Burden Rather than Comorbidities.** *Annals of vascular surgery*  
George, E. L., Rothenberg, K. A., Barreto, N. B., Chen, R., Trickey, A. W., Arya, S.  
2023
- **A framework for perioperative care for lower extremity vascular bypasses: A Consensus Statement by the Enhanced Recovery after Surgery (ERAS®) Society and Society for Vascular Surgery.** *Journal of vascular surgery*  
McGinagle, K. L., Spangler, E. L., Ayyash, K., Arya, S., Settembrini, A. M., Thomas, M. M., Dell, K. E., Swiderski, I. J., Davies, M. G., Setacci, C., Urman, R. D., Howell, S. J., Garg, et al  
2023
- **Evaluation of Lower Extremity Calcium Score as a Measure of Peripheral Arterial Disease Burden and Amputation Risk.** *Annals of vascular surgery*  
Lee, S., Kalra, K., Kashikar, A., Redpath, B., Bernheim, A., Brewster, L., Shaw, L., Arya, S.  
2023
- **Racial, ethnic, and socioeconomic inequities in amputation risk for patients with peripheral artery disease and diabetes.** *Seminars in vascular surgery*  
Fereydooni, A., Patel, J., Dossabhoy, S. S., George, E. L., Arya, S.  
2023; 36 (1): 9-18

- **Transfusion trigger after operations in high cardiac risk patients (TOP) trial protocol. Protocol for a multicenter randomized controlled transfusion strategy trial.** *Contemporary clinical trials*  
Kougias, P., Mi, Z., Zhan, M., Carson, J. L., Dosluoglu, H., Nelson, P., Sarosi, G. A., Sm, S. A., Norman, L. E., Sharath, S., Scrymgeour, A., Ollison, J., Calais, et al  
2023: 107095
- **Atherectomy Overuse: Do Policy Solutions Exist?** *Journal of the American Heart Association*  
George, E. L., Wagner, T. H., Arya, S.  
2022; 11 (22): e027422
- **Quantifying Frailty Requires a Conceptual Model Before a Statistical Model** *JAMA SURGERY*  
Reitz, K. M., Arya, S., Hall, D. E.  
2022; 157 (11): 1065
- **Association of Sex With the Use and Outcomes of Carotid Revascularization: A Cohort Study.** *Stroke (Hoboken, N.J.)*  
Ramkumar, N., Suckow, B. D., Arya, S. S., Mackenzie, T. A., Sedrakyan, A., Goodney, P. P., Brown, J. R.  
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