

CHARLES S. BRIGGS

CONTACT INFORMATION

Atrium Health
Sanger Heart and Vascular Institute
1237 Harding Pl., Suite 4400
Charlotte, NC 28204
Phone: 704-355-8188
Fax: 704-355-8192
Email: Charles.Briggs@atriumhealth.org
Citizenship: USA

EDUCATION

- College of William & Mary, Williamsburg, VA August 1999 – June 2003
Bachelor of Arts – History
- Eastern Virginia Medical School, Norfolk, VA August 2003 – June 2004
Masters of Biomedical Sciences
- Eastern Virginia Medical School, Norfolk, VA Aug 2004 – June 2008
Medical Doctorate

POSTDOCTORAL TRAINING

June 2008 – June 2009	Categorical Intern in General Surgery, Boston University Medical Center
June 2009 – June 2010	Junior Resident in General Surgery, Boston University Medical Center
June 2010 – June 2011	Mid-level Resident in General Surgery, Boston University Medical Center
June 2011 – June 2012	Senior Resident in General Surgery, Boston University Medical Center
June 2012 – June 2013	Chief Resident in General Surgery, Boston University Medical Center
July 2013 – June 2015	Fellowship in Vascular Surgery, University of Chicago Medical Center

MEMBERSHIPS

Southern Association of Vascular Surgery	Oct 2016 – Present
Society for Clinical Vascular Surgery	Mar 2015 – Present
Vascular and Endovascular Surgical Society	Feb 2014 – Present
Society of Vascular Surgery	Jan 2012 – Present

PROFESSIONAL LICENSURE

2008-2013: Massachusetts Medical License (Inactive)
2013-2017: Illinois Medical Licensure (Inactive)
2015-Present: North Carolina Medical Licensure (#2015-00592)

SPECIALTY CERTIFICATION

2013 Diplomate, American Board of Surgery
2015 Diplomate, American Board of Surgery with added qualification in Vascular Surgery
2015 Registered Physician in Vascular Interpretation

EMPLOYMENT

Academic Employment: Atrium Health, Assistant Professor, Dept. of Surgery (2022-Present)

Professional Experience: Vascular Surgeon, Atrium Health – Sanger Heart and Vascular Institute, Charlotte NC (2015-Present)

ADMINISTRATIVE SERVICE

Regional Service

2024 – Present: **Carolinas Vascular Quality Group, Associate Medical Director**

Institutional Service

2017 – Present: **AtriumHealth Peripheral Endovascular Committee, Member**

- Review and assess credentialing and outcomes for peripheral endovascular procedures across hospitals within Atrium Health

2017 – Present: **Vascular Surgery Residency Program, Site Director**

- Carolinas Medical Center, Charlotte, NC

2018 – 2022: **Clinical Effectiveness and Efficiency Council (CEEC), Member**

- Atrium Health, Sanger Heart and Vascular Fellowship

2018 – 2023: **Vascular Surgery Fellowship Program, Associate Program Director**

- Carolinas Medical Center, Charlotte, NC

2022 – Present: **General Surgery Quality Assessment and Improvement Committee**

2023 – Present: **Vascular Surgery Fellowship Program, Program Director**

- Carolinas Medical Center, Charlotte, NC

Departmental Service

2015 – 2024: **Medical Director, Non-Invasive Vascular Lab, Atrium Health**

- Sanger Heart and Vascular Institute

HONORS AND AWARDS

Winner: Best Abstract, South Asian American Vascular Society, Boston, MA June 2014

Briggs, C., Hynes K, Desai T, Gupta N. *Worldwide incidence of anaphylactic reaction related to polymer leak with the Ovation abdominal stent graft system.*

Atrium Health Touchstone Award – Bronze	May 2019
Briggs, C., Yammine H, Aberle S, Winkler K, Lindsey C, Doyle L, Arko F. <i>Implementing transcrotid artery revascularization to improve patient outcomes in carotid artery occlusive disease</i>	
Charlotte Magazine “Top Doctor” in Vascular Surgery	2020-2024
Newsweek Magazine “America’s Best Vascular Surgeons”	2024

CLINICAL INNOVATIONS AND INITIATIVES

Recipient, Abbott Fund Cardiovascular Fellowship Grant	June 2014
Support for Fellow Quality Improvement Project public health initiative with goal of communicating to primary care providers and patients to ensure those patients at risk for AAA undergo screening	
Developer, Enhanced Recovery after Surgery (ERAS) Pathway in open aortic and lower extremity vascular surgery	2019 -
- Impacts length of stay, readmission, rate of surgical site infection, postoperative pain, and patient satisfaction	
WL Gore FORWARD trial, Site Primary Investigator	2024 –
InspireMD CGUARDIANS II trial, Site Primary Investigator	2024 –

BIBLIOGRAPHY

- Yammine H, **Briggs CS**, Frederick JR, Stanley G, Crespo Soto H, Nussbaum T, Madjarov JM, Arko FR *Disparities in Outcomes Between Sexes in Type B Aortic Dissection Patients Treated with TEVAR*. 3rd. Ann Vasc Surg. 2024 Feb;99:223-232.
- Stanley GA, Scherer MD, Hajostek MM, Yammine H, **Briggs CS**, CrespoSoto HO, Nussbaum T, Arko FR 3rd. *Utilization of coronary computed tomography angiography and computed tomography-derived fractional flow reserve in a critical limb-threatening ischemia cohort*. J Vasc Surg Cases Innov Tech. 2023 Jul 23;10(2):101272.
- Robinson JN, Marturano MN, Calarese A, **Briggs CS**, Madjarov J, Fisher DC, Kulkarni SG. Omental Free Flap Coverage for Extracavitary Vascular Bypass Graft Salvage. Plastic and Reconstructive Surgery - Global Open: June 2021 - Volume 9 - Issue 6 - p e3646
- Yammine H, **Briggs CS**, Rolle QV, Ballast JK, Frederick JR, Skipper E, Downey W, Rinaldi MJ, Scherer MD, Arko FR 3rd. *Simultaneous Transcatheter Aortic Valve Replacement and Endovascular Aortic Aneurysm Repair*. J Am Coll Cardiol. 2021 Apr 27;77(16):2156-2157. doi: 10.1016/j.jacc.2021.02.059.
- Gupta N, Hynes KL, Mahrouyan O, **Briggs CS**, Azzizadeh A. *Polymer leak with the Ovation Abdominal Stent Graft System: Early recognition and treatment*. Vascular. 2020 Apr;28(2):159-164. doi: 10.1177/1708538119862923. Epub 2019 Oct 9.

- Yammine H, Krcelic D, Ballast JK, **Briggs CS**, Stanley G, Nussbaum T, Frederick JR, Arko FR 3rd. *Cocaine use is associated with worse outcomes in patients treated with thoracic endovascular repair for type B aortic dissection*. J Vasc Surg. 2019 Jul;70(1):60-66. doi: 10.1016/j.jvs.2018.10.061. Epub 2019 Feb 18.
- Yammine H, **Briggs CS**, Stanley GA, Ballast JK, Anderson WE, Nussbaum T, Madjarov J, Frederick JR, Arko FR 3rd. *Retrograde type A dissection after thoracic endovascular aortic repair for type B aortic dissection*. J Vasc Surg. 2019 Jan;69(1):24-33. doi: 10.1016/j.jvs.2018.04.047. Epub 2018 Jun 30.
- **Briggs CS**, Babrowski T, Skelly C, Milner R. *Anatomic and clinical characterization of the narrow distal aorta and implications after endovascular aneurysm repair*. J Vasc Surg. 2018 Oct;68(4):1030-1038
- **Briggs CS**, Sibille JA, Yammine H, Ballast JK, Anderson W, Nussbaum T, Roush T, Arko F. *Short-term and Midterm Survival of Ruptured Abdominal Aortic Aneurysms in the Contemporary Endovascular Era*. J Vasc Surg. 2018 Mar 3;68(2):408-414.e1.
- Sibille JA, **Briggs CS**, Yammine H, Ballast JK, Anderson W, Nussbaum T, Roush TS, Arko FR. *Long term survival of ruptured abdominal aortic aneurysms in the contemporary endovascular era* (Poster). SVS Vascular Annual Meeting, San Diego, CA. June 2017
- Yammine H, Ballast JK, Anderson W, Sibille JA, Madjarov JM, **Briggs CS**, Frederick JR, Arko FR. *Ethnic Disparities in Outcomes in Patients with Complicated Type B Aortic Dissection*. J Vasc Surg. 2018 Feb 1;68(1):36-45.
- **Briggs, CS**. *Integrative approach to challenging perinatal pathology*. Society for Clinical Vascular Surgery Annual Meeting, Orlando, FL. March, 2017
- **Briggs, CS**. *Evolving trends in iliofemoral DVT management*. Ace of Hearts Symposium, Concord, NC. Sept 10, 2016
- Lind BB, **Briggs CS**, Golan J, Gupta N. *Embolization of Onyx causing acute limb ischemia*. Annals of Vascular Surgery. 2016 Aug 20.
- **Briggs, CS**. *Overcoming difficult access in EVAR*. Gwanjiu International Interventional Cardiology Symposium, Gwanjiu, South Korea. June, 2016
- **Briggs, C**, Milner R. *Narrow aortic bifurcation may be associated with an increase in type II endoleak*. Presentation at Midwest Vascular Surgical Society meeting, Chicago, IL, 9/2015
- Arko FR, Milner AC, Arko MZ, **Briggs CS**, Giggey AB, Lalka SG. *Long-Term Morphologic Analysis of the Aortic Arch Following TEVAR In Patients With Acute Complicated Type B Aortic Dissection*. Vascular and Endovascular Surgical Society, Park City, UT. Feb, 2016
- **Briggs, CS**. *Welcome to the Revolution: the Use of Chemotherapeutic Agents in Peripheral Arterial Disease*. North Carolina Vascular Technologists' Symposium, Charlotte, NC. Apr, 2016
- **Briggs CS**, Bevilacqua W, Babrowski TA, Steppacher R, Milner R. *Right axillary artery cutdown for renovisceral stents during chimney EVAR is safe and effective* (Poster). Society for Clinical Vascular Surgery Las Vegas, NV. Mar, 2016
- Arko FR, Milner AC, Arko MZ, **Briggs CS**, Giggey AB, Lalka SG. *Long-Term Morphologic Analysis of the Aortic Arch Following TEVAR In Patients With Acute Complicated Type B Aortic Dissection*. Vascular and Endovascular Surgical Society, Park City, UT. Feb, 2016
- Rapp BM, Milner AC, Giggey AB, Arko MZ, **Briggs CS**, Lalka SG, Arko FR. *Analysis of Results after Ch-EVAR for Patients with Less Than a Five Millimeter Proximal Neck*. (Poster). Southern Association of Vascular Surgery, Cancun, Mexico. Jan, 2016

- **Briggs, C**, Milner R. *Narrow aortic bifurcation may be associated with an increase in type II endoleak*. Presentation at Midwest Vascular Surgical Society meeting, Chicago, IL, 9/2015
- **Briggs, C.**, Hynes K, Desai T, Gupta N. *Worldwide incidence of anaphylactic reaction related to polymer leak with the Ovation abdominal stent graft system*. Boston, MA: South Asian American Vascular Society Annual Meeting. 6/2014
- **Briggs, C**, McCormick S, Piwowarczyk J, Lozanski L, Kashtanjeva B, Ilczyk E, Skelly C. *Repeatability Coefficients for Within Subject Carotid Artery Velocities with Snoring Application* (Poster). Boston, MA: Society of Vascular Surgery Annual Meeting. 6/2014
- **Briggs, C**, Morcos, Omar, Moreira, Carla, Gupta, Navyash. *Endovascular Treatment of iatrogenic injury to the retrohepatic inferior vena cava*. Annals of Surgery. Annals of Vascular Surgery, 3/2014
- **Briggs, C**. *Making the Clot: Surgical Under-appreciation of the Post-Thrombotic Syndrome*. Boston, MA: Boston University Medical Center Grand Rounds. 4/2013
- **Briggs, C**. *Understanding the Post-Thrombotic Syndrome*. West Roxbury, MA: Veterans Administration Medical Center Grand Rounds. 4/2013
- **Briggs, C**, Farber, Alik, Tan, Kevin, Hamburg, Naomi. *Racial Differences in Treatment and Mortality following Vascular Injury: A National Trauma Data Bank Analysis* (Poster). Boston, MA: Massachusetts Chapter of the American College of Surgeons Annual Meeting. 12/2012
- **Briggs, C**, Farber, Alik, Tan, Kevin, Hamburg, Naomi. *Racial Differences in Treatment and Mortality following Vascular Injury: A National Trauma Data Bank Analysis*. Chicago, IL: American College of Surgeons Annual Meeting Vascular Forum. 10/2012
- **Briggs, C**, Farber, Alik, Tan, Kevin, Hamburg, Naomi. *Racial Differences in Treatment and Mortality following Vascular Injury: A National Trauma Data Bank Analysis* (Poster). Washington, DC: Society of Vascular Surgery Annual Meeting. 06/2012
- **Briggs, C**. *Internal jugular venous cutdown to bypass outflow obstruction*. Boston, MA: Boston University Medical Center Smithwick Symposium in Vascular Surgery. 11/2011
- **Briggs, C**, Farber, Alik, Tan, Kevin, Hamburg, Naomi. *Racial Differences in Treatment and Mortality following Arterial Injury: A National Trauma Data Bank Analysis*. Boston, MA: American College of Surgeons Committee on Trauma Clinical Research Paper Competition. 10/2011
- Dorfman J, **Briggs C**, Cassidy M. *Appropriate evaluation and management of the adrenal incidentaloma*. Hyannis, MA: Cape Cod Hospital Department of Surgery Grand Rounds. 10/2009
- Rushing G, Narayan M, **Briggs C**, Britt LD. *Ten-year retrospective on the diagnosis and management of penetrating neck trauma at Sentara Norfolk General Hospital*. Birmingham, AL: Southeastern Surgical Congress. 2/2008