

**Jenkins, Todd Allan (Todd)**

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**Medical/Surgical Training**

**Fellow**

**07/01/2010-06/30/2012**

**University of Tennessee- Health Science Center**

Memphis, TN

Vascular Surgery

Dr. H. Edward Garrett, Jr.

**Residency**

**07//01/2005-06/30/2010**

**The Carillon Clinic**

Roanoke, VA

General Surgery

Dr. Stephen Remine

**Medical Education**

Eastern Virginia Medical School

**08/01/2001-05/31/2005**

Norfolk, VA

**M.D., 05/2005**

**Education**

**Graduate**

**09/01/1997-05/31/1999**

Boston University School of Medicine

Boston, MA

**M.A., 05/1999**

**Undergraduate**

**08/01/1995-12/01/1995**

Northern VA Community College

Annandale, VA

**Undergraduate**

**05/01/1993-08/31/1993**

Virginia Polytechnic Institute & State University

Blacksburg, VA

**Undergraduate**

**08/01/1991-05/31/1995**

The College of William & Mary

Williamsburg, VA

Biology

**B.S., 05/1995**

### **Membership and Honorary/Professional Societies**

Society for Vascular Surgery  
Virginia Vascular Society  
Medical Society of Virginia

### **Medical School Honors & Awards**

#### **Certifications/Licensure**

Board Certification in Vascular Surgery	<b>05/22/2017</b>
Registered Physician in Vascular Interpretation (RPVI®) Certification	
BLS	
ACLS	
ATLS	

#### **State Licenses**

Georgia, Full Unrestricted Medical License, No. 081598  
Virginia, Full Unrestricted Medical License, No. 010252424  
Tennessee, Retired, No. MD0000047296

#### **Examinations**

Vascular Surgery Board Certification Exam	<b>05/22/2017</b>
USMLE Step 3:	07/2008
USMLE STEP 2 CS (Clinical Skills):	12/2004
USMLE Step 2 CK (Clinical Knowledge):	11/2004
USMLE Step 1:	6/2003

#### **Work Experience**

##### **River City Vascular Specialist**

**01/01/2024 - Current**

##### **Average Hours/Week: 80**

Columbus, GA

Vascular Surgeon

Recruited to join a busy vascular surgery group to help bring complete vascular coverage to a busy and growing community. Adding expertise in dialysis access, advanced complex wound care, and venous disease to provide more aspects of vascular disease management.

##### **Houston Healthcare System**

**09/01/2018 – 12/30/2023**

##### **Average Hours/Week: 80**

Warner Robins, GA

Vascular Surgeon

Recruited to establish a vascular service line for a growing community hospital health system. Developed a practice that provided vascular services for an underserved population including carotid disease, aortic disorders, peripheral vascular disease, and venous disorders. Special interest in the management and treatment of carotid disease and advanced wound care.

Oversaw the creation of the Wound Healing Center at Houston Healthcare – Perry, partnering with Healogics to provide an evidence-based, systemic approach to advanced wound care. For the past three years, served as Medical Director for the wound care working to expand areas covered and populations served. Provided education and training to Houston Healthcare family practice residents and Trinity University medical students during their vascular surgery rotations. Served for multiple years on the Vascular Service Committee for Houston Healthcare.

**Riverside Health Care System**

**8/01/2012 – 08/24/2018**

**Average Hours/Week: 80**

Newport News, VA

Vascular Surgeon

Worked as an independently functioning vascular surgeon in a four-person practice for a large medical multi-specialty healthcare system. Performed the full spectrum of vascular surgery from extracranial arterial disease, aortic disorders, peripheral vascular disease both open and endovascularly as well as venous issues and wound care. Special interest in the management and treatment of carotid disease and aortic aneurysm. For the past three years, have been the sole practitioner in the Williamsburg, Virginia satellite office. For the past year, served as Medical Director for the Regional Medical Center's Vascular Lab and was instrumental in the re-accreditation of the Vascular Lab by the Intersocietal Commission for the Accreditation of Vascular Laboratories. Provided education and training to transitional residents during their vascular surgery rotations. Served for multiple years on the Quality Patient Care committee for surgical specialties. Volunteer for One Child Center for Autism in Williamsburg, Virginia.

**University of Tennessee- Health Science Center**

**07/01/2010 – 06/30/2012**

**Average Hours/Week: 80**

Memphis, TN

Vascular Surgery Fellow

Prepared to function as a qualified practitioner of vascular surgery at the high level of performance expected of a board-certified specialist by achieving the goals in seven categories: basic science, vascular laboratory experience, surgical experience, endovascular interventions, vascular medicine, research, and outpatient care. Through three clinical rotations and conference presentations, I learned how to operate and function as a vascular surgeon. At the Veterans Administration, supervised a nurse practitioner in the management of the service, managed all vascular disease in a patient population with significant comorbidities, and gained experience in vascular laboratory techniques and interpretation. During the Baptist hospital rotation, managed the vascular surgery service of the five staff surgeons, gained significant experience in both open and endovascular procedures, and performed outpatient evaluation and postoperative management in the weekly outpatient clinic. During the Methodist hospital rotation, gained experience in dialysis access and lower extremity ischemia, received trauma and pediatric experience, and assisted general surgery residents (both PGY1 and PGY3) in the care of vascular patients. Basic science expertise gained through weekly vascular surgery conferences and presentations. In addition, participated in a number of clinic trials including

thoracic stent graft treatment of aortic dissection and fenestrated stent graft treatment of juxtarenal abdominal aortic aneurysms.

**The Carilion Clinic**

**07/01/2009 - 06/30/2010**

**Average Hours/Week: 80**

Roanoke, VA

Chief Surgery Resident – PGY5

Assist junior residents in assuming, planning, and managing pre-operative and post-operative care for patients with common surgical disorders. Provide complete follow-up care until the patient is fully recovered. Guide junior residents in making decisions about findings of physical examination and management of pre-operative and post-operative care. Incorporate appropriate ethical principles when presenting patient care studies. Collaborate with residents, faculty, and other health professionals to provide comprehensive health care for patients. Implement a leadership role in planning changes for improving and managing care of patients in a variety of settings. Demonstrate understanding of the impact of health legislation (Medicare and Medicaid) and the third-party payment system on the cost of surgical care for individuals and families.

**The Carilion Clinic**

**07/01/2005 – 06/30/2009**

**Average Hours/Week: 80**

Roanoke, VA

Surgery Resident – PGY1-PGY4

Developed the skills and training for managing care for patients with common surgical disorders. Received guidance on surgical techniques and operating room etiquette for all aspects of general surgery. Able to help direct and provide constructive feedback to more junior residents as I passed through training.

**Eastern Virginia Medical School**

**10/01/1999 - 06/30/2001**

**Average Hours/Week: 40**

Norfolk, VA

Research Assistant

Performed a variety of DNA preparations, cell culturing, cellular gene transfection, electrophoresis, Xenopus species organ harvesting, Xenopus species transgenic experiments, confocal microscopy analysis, and cDNA library development. Maintained the lab's Xenopus species colony, which included genotyping transgenic offspring by PCR. Demonstrated an ability to work with emerging technologies, the expertise to modify procedures and protocols when necessary, and the scientific knowledge to suggest future directions for the lab.

**Boston University School of Medicine**

**05/1998 - 06/1999**

**Average Hours/Week: 40**

Boston, MA

Research Assistant

Performed basic DNA preparations, cell culturing, cellular gene transfection, electrophoresis, murine organ harvesting, Southern blotting, Western blotting, and kinetic experiments involving

tritium incorporation. Maintained the lab's two mice colonies, which included genotyping new liters by PCR and/or Southern blotting. Demonstrated an ability to work with and the flexibility to alter protocols for experiments. Also helped to develop a scientific approach to problem solving.

**Martinsville Health & Rehabilitation Center**

**08/1996 - 07/1997**

**Average Hours/Week: 40**

Martinsville, VA

Certified Nurse's Aide

Assisted patients with their activities of daily living, including bathing, dressing, range of motion exercises, and other routine activities. Provided an emotional support base for individuals who may have had no one else. Aided nurses in measuring input/output levels, taking vital levels, and collecting specimens for laboratory testing. Through this experience I developed an appreciation for those individuals who carry out the physician's orders and are involved in the minute-by-minute care of patients.

**Government Technology Services, Inc.**

**02/1996 - 08/1996**

**Average Hours/Week: 40**

Virginia

Demonstration/Evaluation Coordinator Assistant

Provided hands-on experience with computer equipment and software. Member of the team that spear-headed the company's first internal hardware audit. Tested and repaired computer equipment for liquidation. Gained invaluable computer experience and developed a lifelong interest in computers from this experience.

**Norrell Services, Inc.**

**06/1995 - 02/1996**

**Average Hours/Week: 40**

Virginia

Temporary Worker

Worked as an accounts payable office assistant on a long-term assignment for a major federal computer reseller. Developed new business and office skills, while increasing my time management skills.

**Yeatts Nursery**

**06/1991 - 01/1995**

**Average Hours/Week: 40**

Martinsville, VA

Cashier & Laborer

Worked in various environments, such as taking orders, general clerical work, and making deliveries. Helped demonstrate flexibility in a variety of situations and increased interpersonal skills. Provided funds for all non-tuition expenses while at The College of William & Mary.

**Volunteer Experience**

**Williamsburg Community Hospital**

**08/1994 - 04/1995**

**Average Hours/Week: 3**

Williamsburg, VA

Auxiliary Volunteer

I volunteered in the emergency room for three hours per week assisting the staff and observing patient care during my senior year of college at The College of William & Mary. This volunteer work provided me with hands-on experience in the medical profession.

**Research Experience****Carilion Health System****12/2006 - 12/2008****Average Hours/Week: 8**

Roanoke, VA

Surgery Resident, Dr. Sydney Vail

The objective of this research is to evaluate the effectiveness of decreases in prealbumin serum levels as a marker for occult or overt infection. Traditionally, prealbumin has been used for monitoring nutritional status. However, a number of studies have shown that inflammatory processes have a greater impact on prealbumin serum levels independent of nutritional status. It is a serum negative acute-phase protein whose serum levels decrease acutely during inflammation; a reduction of prealbumin synthesis and a shift of prealbumin into the extravascular space will result in decreased serum levels. Resolution of inflammation, rather than maximization of nutritional status, restores normal hepatic protein metabolism and eventually, serum prealbumin levels. Infection is a well-known pro-inflammatory state, and this research examined whether decreases in serum levels are useful in detecting infectious processes in critically injured or trauma patients.

**Eastern Virginia Medical School****07/2002 - 08/2002****Average Hours/Week: 20**

Norfolk, VA

Medical Student, Dr. Richard Ciavarra

The objective of this research was to determine the kinetics of metastatic spread of TRAMP-C1P3 tumor cells to the periaortic lymph nodes (DLNs) in mice orthotopically injected with TRAMP-C1P3 cells. The TRAMP-C1P3 cells are adapted cells from the transgenic adenocarcinoma mouse prostate (TRAMP) animal model capable of producing primary prostate tumors with lymph node metastases in >90% of mice. Cell culture (where tissue is ex-planted and cultured in vitro using an established laboratory protocol) and PCR (using primers for the SV40 T antigen and conserved mouse beta-globin sequences) were used to define the kinetics of tumor metastases. The data indicate that TRAMP-C1P3 cells are not present in the DLNs seven days after tumor implantation. However, TRAMP-C1P3 metastases were detected in the DLNs at day fourteen. All mice had metastatic lymph nodes by day twenty-one. TRAMP-C1P3 cells present in the DLNs represented viable metastatic foci because these cells were capable of in vitro growth.

**Eastern Virginia Medical School****10/1999 - 06/2001****Average Hours/Week: 40**

Norfolk, VA

Research Assistant, Dr. Earl Godfrey

Previous studies of the roles of synaptic proteins in the differentiation of the neuromuscular junction (NMJ) were performed by injection of mRNA into one-cell embryos of *Xenopus* leading to overexpression in embryonic cells containing the RNA. To increase specificity of expression, we used two DNA vectors containing inverted terminal repeat (ITR) sequences: CS2-ITR and XCar-ITR. Agrin, a protein that directs the formation of the postsynaptic apparatus on the NMJ, was overexpressed by RNA and by DNA injections. All three injection methods gave similar increases in AChR aggregate area in muscles. Expression using the XCar-ITR vector resulted in a shift of AChR aggregation away from the innervated regions of myotomes to ectopic central regions of muscle cells, indicating strong expression of agrin by muscle cells. Thus, DNA vectors containing ITR sequences are an effective tool for the overexpression of proteins, especially in muscle cells, during neuromuscular synapse formation in *Xenopus*.

**Boston University School of Medicine**

**05/1998 - 06/1999**

**Average Hours/Week: 40**

Boston, Ma

Graduate Student, Dr. David Sherr

As a research project for my master's thesis, I looked for a possible connection between the aryl hydrocarbon receptor/translocation factor (AhR) and breast malignancy. Researchers speculate that exposure to and bio-accumulation of environmental pollutants may be responsible for the rise in breast cancer incidence. These contaminants act as exogenous ligands for the AhR and AhR mediates their biological activities. In my thesis I demonstrated that pre-malignant and malignant breast epithelial cell lines show a significant increase in AhR mRNA expression compared to expression in normal breast epithelial cell lines. In addition, the results suggest that growth of a premalignant breast epithelial cell line can be slowed by treatment with AhR antagonists. These findings infer the AhR's involvement in breast cancer malignancy, and also illustrate a possible strategy for AhR targeted breast cancer treatment.

### **Publications**

#### **Peer Reviewed Journal Articles/Abstracts (Other than Published)**

Trombino, A.F., Jenkins, T.A., Matulka, R.A., Near, R.I., Sherr, D.H. *Aryl Hydrocarbon Receptor Ligands Modulate MCF-10F Breast Epithelial Cell Growth*. Society of Toxicology. Publication Status: Submitted.

Godfrey, E.W., Roe, J., Jenkins, T.A. *Molecular Analysis of Neuromuscular Junction Development in Xenopus Embryos: Application of DNA Vectors with Inverted Terminal Repeats*. Journal of Neurobiology. Publication Status: Submitted.

### **Poster Presentation**

Jenkins, T.A., Ciaverra, R., (2002, October). *Kinetic Analysis of Prostate Cancer Metastases in an Orthotropic Model of Mouse Prostate Cancer*. Poster presented at: Research Day- Norfolk, VA.

Jenkins, T.A., Vail, S. (2008, May). *Decreases in Serum Prealbumin as a Marker of Infection in Trauma ICU Patients*. Poster presented at: Carilion Clinic Research Day- Roanoke, VA.

Jenkins, T.A, Rohrer, M. (2010, October). *Treatment of Tracheoinnominate Fistula with Endovascular Stent Graft*. Poster presented at: Vascular Interventional Advances (VIVA)- Las Vegas, NV.

### **Oral Presentations**

Jenkins, T.A. (2023, August). *Diabetes and Vascular Health*. Oral presentation at: Houston Healthcare Diabetes Update for Healthcare Professionals – Warner Robins, GA

Jenkins, T.A. (2023, May). *Impact of COVID-19 on Wound Care*. Oral presentation at: Houston Healthcare 2023 Wound Care Conference – Warner Robins, GA

Jenkins, T.A. (2019, February). *What to Know about Peripheral Arterial Disease*. Oral presentation at: Warner Robins Rotary Club – Warner Robins, GA

Jenkins, T.A. (2010, May). *Effects of Operative Length during Laparoscopic Roux-En-Y Gastric Bypass on Post-Surgical Complications*. Oral presentation presented at: Surgical Resident Research and Recognition Day – Roanoke, VA.

Jenkins, T.A. (2009, May). *Time Limit Determinations in Evaluating Outcomes of Traumatic Peripheral Injury*. Oral presentation presented at: Surgical Resident Research and Recognition Day- Roanoke, VA.

Jenkins, T.A. (2008, May). *Decreases in Serum Prealbumin as a Marker of Infection in Trauma ICU Patients*. Oral presentation presented at: American College of Surgeons Committee on Trauma, Virginia Chapter, Resident Paper Competition- Roanoke, VA.

Jenkins, T.A. (2008, May). *Deceases in Serum Prealbumin as a Marker of Infection in Trauma ICU Patients*. Oral presentation presented at: Surgical Resident Research and Recognition Day- Roanoke, VA.

Jenkins, T.A. (2007, May). *Decreases in Serum Prealbumin as a Marker of Infection in Trauma ICU Patients*. Oral presentation presented at: Surgical Resident Research and Recognition Day -Roanoke, VA.

Jenkins, T.A. and Kashmer, D., (2006, May). *Nasogastric Tube Rarely Function in Postoperative Surgical Patients*. Oral presentation presented at: Surgical Resident and Research Day- Roanoke, VA.



**Hobbies & Interests**

Computers, soccer, golf, reading and spending time with my family

**Other Awards/Accomplishments**

Poster Presentation- 1<sup>st</sup> Place Resident Division Carilion Clinic Research Day

Dean's List (1995)

Alpha Lambda Delta, Phi Eta Sigma and the Golden Key National Honor Society – The College of William & Mary

The Georgia Thomas Witt Scholarship Fund

The Martinsville High School French Club Scholarship