

## *Curriculum Vitae*

# J. Byers Bowen, M.D., M.S.

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## EDUCATION

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### *Medical*

University of South Florida, Morsani College of Medicine  
Medical Doctorate

Tampa, FL  
7/2006 - 6/2010

### *Graduate*

University of South Florida, Morsani College of Medicine  
Master of Science, Medical Sciences

Tampa, FL  
6/2005 – 6/2006

### *Undergraduate*

Davidson College  
Bachelor of Science, Chemistry  
Concentration, Medical Humanities

Davidson, NC  
7/2001 - 5/2005

## POST GRADUATE TRAINING

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### *Residencies*

The Ohio State University, Wexner Medical Center  
Department of Plastic and Reconstructive Surgery  
Independent Plastic Surgery Residency  
*Chairman, Michael J. Miller*  
*Vice-Chairman, Jeffrey E. Janis*

Columbus, OH  
7/2015 - 6/2018

Eastern Virginia Medical School  
Department of Surgery  
Categorical General Surgery  
*Chairman, L.D. Britt*

Norfolk, VA  
7/2011 - 6/2015

### *Specialized Rotation*

Walter Reed National Military Medical Center  
Program Director, Ian L Valerio, MD, Commander US Navy

Bethesda, MD  
3/2018

## MEDICAL LICENSE/CERTIFICATION

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State of Virginia, March 2018 – Present (0101264157)  
 State of Ohio, June 2015 – Present (57026560)  
 State of Virginia, June 2010 – June 2015 (0116022516)  
 AO Craniomaxillofacial, Management of Facial Trauma, September 2015  
 State of Virginia, July 2010 – June 2015  
 Advanced Cardiac Life Support, April 2018  
 Advanced Trauma Life Support, May 2014  
 American College of Surgeons, Advanced Surgical Skills for Exposure in Trauma, June 2013  
 American College of Surgeons, Fundamentals of Laparoscopic Surgery, May 2013

## HONORS AND AWARDS

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- **Best Research Paper Award** – *Targeted Reinnervation for the Amputee, a Multi-Cohort Analysis*. Department of Plastic Surgery, The Ohio State University Wexner Medical Center, Columbus, OH 2016
- **Best Poster Award** – *Targeted Reinnervation for the Amputee, a Multi-Cohort Analysis*. Ohio Valley Society of Plastic Surgeons, Dayton, OH 2016
- **Second Prize for Clinical Research** – *Refining the use of preoperative breast MRI: Small tumors and mammographic calcifications make its findings less useful*, Department of Surgery, Eastern Virginia Medical School, Norfolk, VA 2014
- **L.D. Britt Resident Award** – (Awarded to the Eastern Virginia Medical School third year resident who exemplifies excellence in Education and Mentorship), Department of Surgery, Eastern Virginia Medical School, Norfolk, VA 2013
- **First Prize for Clinical Research** – *Intraoperative Laser Angiography Using the SPY Device to Predict Post Operative Outcome for Mastectomy Flaps*, Department of Surgery, Eastern Virginia Medical School, Norfolk, VA 2013
- **Intern of the Year Award** – Department of Surgery, Eastern Virginia Medical School, Norfolk, VA 2011
- **Honors in Surgery** – (Awarded to Outstanding Senior Medical Student), Department of Surgery, University of South Florida Morsani College of Medicine, Tampa, FL 2010
- **Award for Clinical Excellence in Psychiatry** – (Awarded to Most Outstanding Student in Psychiatry), Department of Psychiatry, University of South Florida Morsani College of Medicine, Tampa, FL 2009
- **Summer Research Grant** – (Bariatric/Endocrine Surgical Research, \$3,500) University of South Florida Morsani College of Medicine, Tampa, FL 2007
- **Academic All-American** – Pioneer Football League, NCAA Division I-AA, Davidson College, Davidson, NC 2002, 2003, 2004

- **Letterman**, NCAA Division I-AA football, Davidson College, Davidson, NC 2002, 2003, 2004

## PROFESSIONAL SOCIETY MEMBERSHIPS

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American Society of Reconstructive Microsurgery – Resident Member	2016 – Present
American Society of Plastic Surgeons – Member	2015 – Present
L.D. Britt Surgical Society	2013 – 2017
American College of Surgeons – Resident Member	2010 – Present
American Medical Student Association	2006 – 2010

## JOURNAL ARTICLES

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1. Postoperative Hypoxemia: A Common, Undetected and Unsuspected Complication After Bariatric Surgery. Haines K, Downs J., Cuculich C., **Bowen, J.B.**, Gallagher S., Murr, M. *Journal of Surgical Research*, Volume 144, Issue 2, Pages 370-371. February 2008.
2. Annual Linear PTH Increase More Significant in Women After Gastric Bypass. **Bowen J.B.**, Haines K., Gallagher S. *Journal of Surgical Research*, Volume 151, Issue 2, Page 286. February 2009.
3. Refining the use of preoperative breast MRI: Small tumors and mammographic calcifications make its findings less useful. **Bowen J.B.**, Feliberti E.C. *The American Surgeon*, Volume 81, Number 6, June 2015.
4. Reducing Infectious Complications in Implant Based Breast Reconstruction: Impact of Early Expansion and Prolonged Drain Use. Hanna KR, Tilt A, Holland M, Colen D, **Bowen J.B.**, Stovall M, Lee A, Wang J, Drake D, Lin K, Uroskie T, Campbell CA. *Annals Plastic Surgery*. 2016 Jun; 76 Suppl 4:S312-5.
5. Targeted Muscle Reinnervation to Improve Pain, Prosthetic Tolerance, and Bioprosthetic Outcomes in the Amputee. **Bowen JB**, Wee C., Valerio IL *Advances in Wound Care*. January 2017.
6. Targeted Muscle Reinnervation, Technique in Below Knee Amputation. **Bowen J.B.**, Ruter D, Wee C., West J, Valerio IL *Journal of Plastic and Reconstructive Surgery*. 143(1):309-312, January 2019.
7. Preemptive Treatment of Phantom and Residual Limb Pain with Targeted Muscle Reinnervation at the Time of Major Limb Amputation. Valerio IL, Dumanian GA, Jordan SW, Mioton LM, **Bowen JB**, West JM, Porter K, Ko JH, Souza JM, Potter BK. *Journal of American College of Surgeons*. 228(3):217-226. March 2019.

## BOOK CHAPTERS

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1. **Bowen, J.B.**, Valerio, I.L.: Targeted Muscle Reinnervation in the Upper Extremity Amputee. In: Dy, C.J. and Isaacs, J (eds), American Society for Surgery of the Hand Surgical Anatomy: Nerve Reconstruction. The American Society for Surgery of the Hand. 2017.
2. Teotia, S., **Bowen, J.B.**, Janis, J.E., Joshi, G. P., Young, V.L.: Safety Considerations in Aesthetic Surgery. In: Janis, J.E. (ed) *Essentials of Aesthetic Surgery, 1st ed.* St. Louis, Quality Medical Publishing, anticipated publication date – Spring 2018.
3. **Bowen, J.B.** Targeted Muscle Reinnervation. Janis, J.E. (ed) *Essentials of Plastic Surgery, 3rd ed.* New York, New York, Thieme Publishers, anticipated publication 2019

## PRESENTATIONS

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### ORAL:

1. *Primary Targeted Muscle Reinnervation for the Amputee.* International symposium on Innovations in Amputation Surgery and Prosthetic Technologies. Vienna, Austria. May 10-12, 2018.
2. *Targeted Muscle Reinnervation for the Traumatic Amputee.* American Society of Plastic Surgeon Annual Meeting. Orlando, FL. September 28 – October 1, 2017
3. *Mentorship.* The Ohio State University Department of Plastic and Reconstructive Surgery Grand Rounds. Columbus, OH. June 9, 2017
4. *Targeted Reinnervation for the Upper Extremity Amputee; Clinical Outcome of Phantom Limb Pain and Painful Neuroma.* American Association of Hand Surgery Annual Meeting. Waikoloa, HI. January 10-14, 2017.
5. *Primary Targeted Reinnervation for the Amputee – Can Painful Neuroma and Phantom Limb Pain be Prevented?* American Society for Reconstructive Microsurgery Annual Meeting. Waikoloa, HI. January 14-17, 2017.
6. *Targeted Reinnervation for the Amputee.* American College of Surgeons, Clinical Congress, Washington, D.C., October 16-20, 2016.
7. *Targeted Reinnervation for the Amputee, a Multi-Cohort Analysis.* International symposium on Innovations in Amputation Surgery and Prosthetic Technologies. Chicago, IL. May 12-13, 2016.
8. *Refining the use of preoperative breast MRI: Small tumors and mammographic calcifications make its findings less useful.* Annual Scientific Meeting, Southeastern Surgical Congress, Chattanooga, TN. February 21-24, 2015.

9. *Refining the use of preoperative breast MRI: Small tumors and mammographic calcifications make its findings less useful.* America College of Surgeons Commission on Cancer, Physician In Training Paper Competition, Virginia Chapter. Norfolk, VA. November 11, 2014.
10. *Gamma Irradiated Dermal Acellular Matrix Use in Breast Reconstruction.* Eastern Virginia Medical School Department of Surgery, Resident Research Day. Norfolk, VA. June 2014.
11. *Intraoperative Laser Angiography Using the SPY Device to Predict Post Operative Outcome for Mastectomy Flaps.* Eastern Virginia Medical School Department of Surgery, Resident Research Day. Norfolk, VA. June 2013.
12. *Massive Medial Thigh Pannus.* Eastern Virginia Medical School Department of Surgery Grand Grounds, Norfolk, VA. January 2011.
13. *Annual Linear PTH Increase More Significant in Women after Gastric Bypass.* Fourth Annual Academic Surgical Congress. Fort Myers, FL. February 3-6, 2009.
14. *Annual Linear PTH Increase in Post-Operative Bariatric Surgery Patients.* Ninth Annual Conference on Obesity. Tampa, FL. September 19-21, 2008.

**POSTER:**

1. *Targeted Muscle Reinnervation for Treatment and Prevention of Neuroma and Phantom Limb Pain.* The American Association of Plastic Surgeons Annual Meeting, Seattle, WA. April 7-10, 2018.
2. *Primary Targeted Muscle Reinnervation to Prevent Neuroma and Phantom Limb Pain in Lower Extremity Amputee.* The American Association of Plastic Surgeons Annual Meeting, Seattle, WA. April 7-10, 2018.
3. *Targeted Reinnervation for the Amputee, a Multi-Cohort Analysis.* Ohio Valley Society of Plastic Surgeons Annual Meeting. Dayton, OH. June 3-5, 2016.
4. *Intraoperative Laser Angiography Using the SPY Device to Predict Post Operative Outcome for Mastectomy Flaps.* Southeastern Surgical Congress Annual Meeting. Savannah, GA. February 22-25, 2014.

## INVITED LECTURES

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1. *Discussant* - The Ferguson Operating Anoscope for Resection of T1 Rectal Cancer. Turza, KC. Annual Scientific Meeting, Southeastern Surgical Congress, Chattanooga, TN, February 21-24, 2015.

## MEDIA

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1. [\*TMR Surgery for Phantom and Residual Limb Pain in Amputee Patients\*](#) Valerio IL, **Bowen JB**. December 2018. *CBS, New York*
2. [\*TMR Surgery for Phantom and Residual Limb Pain in Amputee Patients\*](#) Valerio IL, **Bowen JB**. December 2018. *Science Daily*
3. [\*TMR Surgery for Phantom and Residual Limb Pain in Amputee Patients\*](#) Valerio IL, **Bowen JB**. December 2018. *MedPage Today*
4. [\*Transhumeral Targeted Muscle Reinnervation\*](#). Goyal, KS, **Bowen, JB**., Roebke, A, Valerio, I.L. October 2017. *VuMe*

## TEACHING/LEADERSHIP/COMMUNITY SERVICE

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Member, Davidson College Fideles Society, Davidson, NC	2010 – Present
Member, YMCA of South Hampton Roads George Williams Society, Norfolk, VA	2010 – Present
Volunteer Physician Examiner, Susan G. Komen, EVMS/Sentara, Norfolk, VA	2013 – 2015
Member, First Presbyterian Church, Norfolk, VA	2011 – Present
Member, YMCA of South Hampton Roads, Norfolk, VA	2010 – 2015 2018-Present
Spearheaded partnership joining Beyond Boobs and EVMS Breast Clinic, Norfolk, VA	2013
EVMS/Sentara Ambulatory Care Clinic Surgical Resident Representative, Norfolk, VA	2012 – 2013
EVMS Resident Representative for ACGME Site Visit, Norfolk, VA	2011, 2013
BRIDGE Clinic, USF Health Student-Run Clinic, Volunteer Student Clinician, Tampa, FL	2007 – 2008
Carl Sagan Academy, Volunteer Tutor, Tampa, FL	2006 – 2008

Judeo Christian Clinic, Volunteer Student Clinician, Tampa, FL	2006 – 2008
Hyde Park Presbyterian Church Youth Group, Volunteer Leader, Tampa, FL	2005 – 2007
Players Leadership Counsel, Davidson College Football, Davidson, NC	2003, 2004