

Sarah M. Elswick, MD, MBA

Curriculum Vitae

201 W. Big Beaver, Suite 1130, Troy, Michigan 48084, 248-524-0620

Education

The Ohio State University, Columbus, Ohio

- Bachelor of Science in Biology
- Bachelor of Science in Business Administration in Operations Management

Wright State University, Dayton, Ohio

- Doctorate of Medicine
- Master of Business Administration in Health Care Management

Mayo School of Graduate Medical Education, Rochester, Minnesota

- General Surgery Resident
- Plastic Surgery Resident

Professional Experience

Michael J. Schenden, MD, PC, Plastic, Reconstructive and Aesthetic Surgery July 2019 – Present
Associate

Previous Professional Experience

NASA Glenn Research Center, Cleveland, Ohio

Engineering Student Trainee, Power and Propulsion Office

- Wrote computer programs for unmanned aerial vehicles, fuel cells, and solar arrays.
- Compiled information about graphical user interfaces in MATLAB into a user guide for nearly 20 co-workers.

The Ohio State University Medical Center, Columbus, Ohio

Student Assistant, Neurology Outpatient Clinic

The Ohio State University Medical Center, Columbus, Ohio

Patient Services Associate, Division of Plastic Surgery

Wright State University Boonshoft School of Medicine, Dayton, Ohio

Tutor in Human Structure and Molecular Basis of Medicine

International Service Learning, Dayton, Ohio

Student Representative

- Recruited students pursuing health professions for service learning trips in Central and South America.
- Organized three different trips as a liaison between the school and International Service Learning.

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Licensure and Certifications

Board Certifications

United States Medical Licensing Examination (USMLE), Step 1, 2 and 3
Candidate for Membership, ASAPS (The American Society of
Aesthetic Plastic Surgery

Other Certifications

- Basic Life Support (BLS) 2011 to 2019
- Advanced Cardiac Life Support (ACLS) 2013 to 2019
- Advanced Trauma Life Support (ATLS) 2013 to 2017

Licensure

State of Michigan
State of Minnesota

Honors and Awards

Purdue University, West Lafayette, Indiana

Valedictorian Scholarship, Purdue University Special Achievement Prize Grant, Women in Engineering
Merit Award, Honors Engineering Program and Learning Community, Dean's List and Semester Honors.

The Ohio State University, Columbus, Ohio

Summa Cum Laude, Deans List (16 quarters), Sharp Memorial Scholar, Recipient of 5 consecutive year
scholarship awards

Wright State University, Dayton, Ohio

Academy of Medicine Student Excellence Award, Dan W. Elliot Award for Excellence in Surgery,
Boonshoft Leadership Scholar, American Medical Women's Association Glasgow-Rubin Citation for
Academic Achievement.

Mayo School of Graduate Medical Education, Rochester, Minnesota

International Health Program Scholarship 2016

- Completed a five day medical mission trip to Jalpatagua, Guatemala.
- Performed 16 operations in general surgery and obstetrics under the guidance of Dr. Michael Sarr, Dr. David Rowecamp, and local physicians.

Leadership and Volunteer Experience

Mauzy Emerging Leaders Program, West Lafayette, Indiana

August 2004 to May 2005

Golden Key International Honour Society, Columbus, Ohio

September 2005 to June 2009

Board member - Treasurer, President & Graduate Advisor

August 2009 to June 2011

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Leadership and Volunteer Experience continued

International Health Program, Dayton, Ohio

Volunteered in free medical clinics in Costa Rica and Nicaragua.

Boonshoft Physician Leadership Development Program, Dayton, Ohio

August 2009 to May 2013

Surgery Club, Dayton, Ohio

August 2009 to May 2013

Reach Out Montgomery County, Dayton, Ohio

Volunteered at free clinic for the uninsured

August 2009 to May 2013

Mayo Fellow's Association, Rochester, Minnesota

Board Member – Treasurer and Secretary

July 2014 to July 2019

Deputy Synthes Future Leaders Program, Rochester, Minnesota

July 2016 to July 2019

Medical Mission Trip, Smile Network International, Patzun, Guatemala

May 2019

- Assisted with cleft lip and palate surgeries through Smile Network International.

Professional Memberships

American Medical Student Association

August 2009 to May 2013

American Medical Association

August 2009 to present

Phi Rho Sigma Medical Service Fraternity

August 2009 to present

Alpha Omega Alpha Honor Medical Society

September 2012 to present

Beta Gamma Sigma International Business Honor Society

2013 to present

Zumbro Valley Medical Society

July 2013 to present

American Society of Plastic Surgeons Resident Member

July 2016 to present

The American Society for Aesthetic Plastic Surgery Resident Program

July 2016 to present

American Society for Laser Medicine and Surgery

September 2016 to present

American Society for Surgery of the Hand

November 2016 to present

American Society for Reconstructive Microsurgery Candidate Member

March 2018 to present

Publications

Elswick, S.M. "Mature Sacrococcygeal Teratoma," *MEDPIX*, 18 January, 2013 <http://rad.usuhs.edu/medpix/tf_case.html?mode=tf_case&pt_id=14258>.

Elswick, S.M., Sharaf, B., Hammoudeh, Z.S., Saeed, A.I., Edell, E.S., Midthun, D.E., Blackmon, S.H. "Endobronchial-Guided Vascularized Tissue Flaps for a Bronchopleural Fistula," *Annals of Thoracic Surgery*. 2017 Jul; 104(1):e1-e3.

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Publications continued:

Elswick, S.M., Blackmon, S.H., Sharaf, B. **“Muscle Sparing Thoracotomy,”** Operative Techniques in Thoracic and Cardiovascular Surgery: A Comparative Atlas. 2017, 22:110–121.

Elswick, S.M., Nguyen, M.D. **“Breast Erythema in a Patient with Breast Implant-Associated Anaplastic Large Cell Lymphoma: A Case Report Discussing Cutaneous Manifestations,”** Aesthetic Surgery Journal. 2017 November.

Elswick, S.M., Harless C.A., Bishop S.N., Schleck C.D., Mandrekar J., Reusche R.D., Mutter R.W., Boughey J.C., Jacobson S.R., Lemaine V. **“Prepectoral Implant-Based Breast Reconstruction with Post-Mastectomy Radiation Therapy,”** Plastic and Reconstructive Surgery. 2018 Jul; 142(1):1-12.

Elswick S.M., Miglani A., Lettieri S.C. **“Medial Approach to the Peroneal Vessels as Recipients for Free Flap Reconstruction of the Leg,”** Microsurgery. 2019 May 10.

Elswick S.M., Smith N.L., Jethwa K.R., Viehman J.K., Harmsen W.S., Gonuguntla K., Graubeger J.N., Amundson A.C., Whitaker T.J., Remmes N.B., Harless C.A., Boughey J.C., Nguyen M.T., Park S.S., Corbin K.S., Mutter R.W., **“Post-Mastectomy Intensity Modulated Proton Therapy after Immediate Breast Reconstruction: Initial Report of Reconstruction Outcomes and Predictors of Complications,”** Radiotherapy and Oncology: Journal of the European Society for Therapeutic Radiology and Oncology. 2019 Jun 8; 140:76-83.

Manuscripts Pending for Publication

Risk Factors for Lymphedema after Lower Extremity Sarcoma Resection and Reconstruction, Mayo Clinic, Rochester, Minnesota

Principal Investigator: Michel Saint-Cyr, M.D. and Jorys Martinez-Jorge, M.D.

- Wu P., Elswick S.M., Arkhavan A., Molinar V.E., Mohan A.T., Sim F.H., Martinez-Jorge J., Saint-Cyr M.

Presentations

Elswick, S.M. **“The Keys to Effective Leadership Transition,”** Golden Key International Honour Society Regional Leadership Training Conference. 2009

Elswick, S.M. **“Prepectoral Implant-Based Breast Reconstruction with Post-Mastectomy Radiation Therapy,”** Senior Residents Conference, Plastic Surgery the Meeting, Chicago, Illinois, September 2018

Smith, N.L. **“First Report of Toxicity and Reconstruction Outcomes of Intensity Modulated Proton Post-mastectomy Radiotherapy in Women with Immediate Tissue Expander Breast Reconstruction,”** American Society for Radiation Oncology Annual Meeting, San Antonio, Texas. October 2018

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Presentations continued

Elswick, S.M. **"A Reconstructive Algorithm after Thigh Soft Tissue Sarcoma Resection Including Predictors of Free Flap Reconstruction,"** American Society for Reconstructive Microsurgeons, Palm Desert, California. February 2019

Current Research

Outcomes of Mastectomy and Immediate Breast Reconstruction in Radiated Patients, Mayo Clinic, Rochester, Minnesota

February 2014 to present

Principal Investigator: Christin Harless, M.D.

- Retrospective chart review of all patients who have undergone mastectomy with immediate breast reconstruction and radiation from 2010-2017 which analyzes outcomes from a multidisciplinary view, including oncological and neoadjuvant/adjuvant therapies.
- Assisted in protocol development, completed IRB application, facilitated funding with the Department of Surgery, developed and maintained patient database including over 400 patients, assisted with data collection.
- Lead or assistant for eight ongoing projects:
 - Comparison of Prepectoral and Subpectoral Breast Reconstruction in Patients Undergoing Post-Mastectomy Radiation Therapy
 - Long Term Follow up in Patients with Two Stage Implant-Based Breast Reconstruction Requiring Post-Mastectomy Radiation Therapy
 - A Reconstructive Algorithm for Obese Patients Requiring Post-Mastectomy Radiation Therapy
 - A Reconstructive Algorithm for Thin Patients Requiring Post-Mastectomy Radiation Therapy
 - Comparison of Prepectoral and Subpectoral Breast Reconstruction in Patients Undergoing Direct-to-Implant Breast Reconstruction and Post-Mastectomy Radiation Therapy
 - Comparison of Prepectoral and Subpectoral Breast Reconstruction in Patients with Goldilocks Breast Reconstruction Requiring Post-Mastectomy Radiation Therapy
 - A Reconstructive Algorithm for Patients with a History of Radiation
 - Cosmetic Outcomes for Patients Undergoing Two-Stage Implant-Based Breast Reconstruction and Post-Mastectomy Radiation Therapy

The Impact of Fat Grafting on Breast Masses in Patients Undergoing Implant-Based Breast Reconstruction, Mayo Clinic, Rochester, Minnesota

April 2014 to present

Principal Investigator: Christin Harless, M.D., M.P.H.

- Retrospective chart review of all patients who have undergone implant-based breast reconstruction by a single surgeon to determine the factors that lead to an increased risk of breast masses including the use of fat grafting, surgical techniques, and surgeon experience.
- Assisted in protocol development, completed IRB application, facilitated funding with the Department of Surgery, developed patient database, and assisted with data collection.
- Data analysis phase.

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Researched continued

Complications after Thigh Sarcoma Resection, Mayo Clinic, Rochester, Minnesota

April 2014 to present

Principal Investigator: Michel Saint-Cyr, M.D. and Jorys Martinez-Jorge, M.D.

- **Elswick S.M.**, Wu P., Arkhavan A., Molinar V.E., Mohan A.T., Sim F.H., Martinez-Jorge J., Saint-Cyr M.

Labia Minora Flap for Urethrovaginal Reconstruction, Mayo Clinic, Rochester, Minnesota

November 2018 to present

Principal Investigator: Nho V. Tran, M.D.

- Case report of a patient with multiply recurrent urethrovaginal fistulae who was reconstructed with a labia minora flap.
- Manuscript phase.