

David A. Magno-Padron

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EDUCATION

Medical University of South Carolina
Plastic Surgery Fellowship, June 2025

Charleston, SC
2022 - 2025

Tulane University School of Medicine
General Surgery Residency, June 2022

New Orleans, LA
2016 - 2022

University of Virginia School of Medicine
Doctor of Medicine, May 2016

Charlottesville, VA
2012 - 2016

University of Michigan
BS, Biology, May 2012

Ann Arbor, MI
2008 - 2012

Leadership: Advanced Trauma Life Support, Advisory Committee on Ethics (A.C.E), Phi Kappa Psi Fraternity, Charlottesville
Free Clinic Volunteer and Spanish Translator, Ann Arbor Center for Independent Living Mentor

EXPERIENCE

University of Utah Plastic Surgery Department
Research Fellow

Salt Lake City, UT
July 2019 – July 2020

- Gained proficiency in all aspects of clinical research ranging from a project's conception to its completion
- Gained proficiency in microsurgical technique by performing nerve anastomoses in both rat and mice nerve regeneration models
- Attended educational conferences, grand rounds and journal clubs for the plastic surgery department at the University of Utah

Ailawadi Laboratory at the University of Virginia Health System
Research Assistant

Charlottesville, VA
July 2015 - July 2016

- Conducted research on abdominal aortic aneurysms
- Compiled a retrospective chart review of 235 patients who underwent cardiac surgery from 2007-2014 suspected of HIT un post-operative period with the intent of finding better predictive factors for cardiac patients suspected of HIT in order to avoid unnecessary anticoagulation

Ailawadi Laboratory at the University of Virginia Health System
Research Assistant

Charlottesville, VA
May - August 2013

- Performed longitudinal analysis of Heparin Induced Thrombocytopenia in cardiac surgery patients
- Bred and cared for Cre-Lox knockout mice in preparation for PCR genotype confirmation and induction with tamoxifen, surgically harvested organs to examine sex hormones and the relationship to AAA formation
- Compiled and analyzed data with simple statistical tests and presented at lab meeting

University of Michigan Medical School Pathology Department
Research Assistant

Ann Arbor, MI
October 2010-April 2011

- Gained proficiency in lab procedure and protocol such as reagent preparation, appropriate use of lab equipment, and executing preparations for experiments (staining, western blot, PCR, electrophoresis, etc.)
- Maintained intensive laboratory journal with procedures and experiment outlines for future reference
- Entrusted with an independent project requiring significant self-direction and initiative involving the breeding and genotyping of mice, testing mice with simple motor control tasks, and monitoring the growth and reproductive trends of wildtype and mutated human fibroblast in a sterile environment

Bay Region Medical Center
Research Volunteer

Bay City, MI
May – August 2017

- Reviewed patient records for germane medical indicators/predispositions rendering patient eligibility for participation in the Trilogy ACS study

ADDITIONAL INFORMATION

- *Professional Memberships/certifications:* American Society of Plastic Surgeons, American College of Surgeons, Fundamentals of laparoscopic surgery, Fundamentals of endoscopic surgery Advanced trauma life support (instructor)
- *Interests:* Bilingual (Spanish and English), PlayNola Men's City Basketball League, University of Michigan • Intramural Basketball League, University of Virginia • Intramural Basketball League, University of Virginia • Medical School Basketball League

Publications

- Associations of Discharge Destination and Length of Stay in Lower Extremity Free Flap Reconstruction. *Journal of Plastic Surgery and Hand Surgery*. 2023
- Hosein R, Overschmidt B, Magno-Padron D, Scheefer M, Agarwal J, Collier W, McFarland M, Casucci T, Kwok A. Comparison of Human, Porcine, and Bovine Acellular Dermal Matrix (ADM) in Prepectoral Breast Reconstruction: A Scoping Review. *Annals of Plastic Surgery*. 2022
- Luo J, Collier W, Magno-Padron D, Tieman J, Giovanna P, Whitney M, Rosales M, Jaewhan K, Agarwal J, Kwok A. Characteristics of Non-elderly Adult Healthcare Persistent Super Utilizers in Utah. *Population Health Management*. 2022
- Holoyda K, Magno-Padron D, Carter G, Agarwal J, Kwok A. National Trends in Length of stay for Microvascular Breast Reconstruction: An evaluation of 10,465 Cases using the ACS National Surgical Quality Improvement Database. *Plast Reconstr Surg*. 2022
- Magno-Padron D, Carter G, Agarwal J, Kwok A. An Analysis of the 5-Item Modified Frailty Index for Predicting Complications Following Free-Flap Breast Reconstruction. *Plast Reconstr Surg*. 2022
- Goodwin I, Luo J, Magno-Padron D, Veith J, Garlick J, Willcockson J, Matsen C, Kwok A, Agarwal C. Current Practices in Pathologic Assessment of Breast Tissue in Female-to-Male Transgender Top Surgery. *Plast Reconstr Surg*. 2022
- Magno-Padron D, Holoyda K, Moss W, Pires G, Carter G, Agarwal J, Kwok A. Elective Surgery Resource Utilization. *Archives of Surgery*. 2022
- Holoyda K, Donato D, Magno-Padron D, Simpson A, Agarwal J. Hand and Wrist Injuries among collegiate athletes vary with athlete division. *Injury Epidemiology*. 2021
- Ghio M, Magno-Padron D, Vijay A, Paramesh A. Between a Rock and a Hard Place – Colonic Obstruction between Two Kidneys: A Case Report. *Transplantation Proceedings*. 2021
- Magno-Padron D, Jessop T, Garlick J, Manum J, Carter G, Agarwal J, Kwok A. A Population-Based Study of Breast Implant Illness. *Arch Plast Surg*. 2021
- Wright T, Donato D, Veith J, Magno-Padron D, Agarwal J. Thirty-day Outcomes Following Upper Extremity Flap Reconstruction. *Journal of Hand and Microsurgery*. 2021
- Magno-Padron D, Collier W, Kim J, Agarwal J, Kwok A. A Nationwide Analysis of Early and Late Readmissions Following Free Tissue Transfer for Breast Reconstruction. *J Reconstr Microsurg*. 2020
- Veith J, Collier W, Simpson A, Magno-Padron D, Mast B, Murphey R, Agarwal J, Kwok A. A Comparison of Common Plastic Surgery Operations Using the NSQIP and TOPS Databases. *PRS GO*. 2020
- Simpson A, Donato D, Veith J, Magno-Padron D, Agarwal J. Hand and Wrist Injuries Among Collegiate Athletes: The Role of Sex and Competition on Injury Rates and Severity. *Orthop J Sports Med*. 2020
- Magno-Padron DA, Hollier LH Jr. Review of “The Construction of Surgical Trust: How Surgeons Judge Residents Readiness for Operative Independence” by Salim SY, Govaerts M, White J. *Annals of Surgery* 2018. *Journal of Craniofacial Surgery*. 2019

Presentations/Abstracts

- Magno-Padron D (presenter), Carter G, Agarwal J, Kwok A. An Analysis of the 5-Item Modified Frailty Index for Predicting Complications Following Free-Flap Breast Reconstruction. Virtual video presentation for American Society for Reconstructive Microsurgery
- Magno-Padron D, Jessop T, Garlick J, Manum J, Carter G, Agarwal J, Kwok A (presenter). A Population-Based Study of Breast Implant Illness. Presented at Mountain West Society of Plastic Surgeons, Snowmass Village, CO, Feb 2020
- Holoyda K (presenter), Magno-Padron D, Carter G, Agarwal J, Kwok A. Trends in Microvascular Breast Reconstruction: An Evaluation of 8,561 Cases in the ACS National Surgical Quality Improvement Program. *Plast Reconstr Surg*. 2020. Presented at Mountain West Society of Plastic Surgeons, Snowmass Village, CO, Feb 2020
- Goodwin I (presenter), Luo J, Magno-Padron D, Veith J, Garlick J, Willcockson J, Matsen C, Kwok A, Agarwal C. Current Practices in Pathologic Assessment of Breast Tissue in Female-to-Male Transgender Top Surgery. *Plast Reconstr Surg*. 2020. Presented at Mountain West Society of Plastic Surgeons, Snowmass Village, CO, Feb 2020
- Magno-Padron D (presenter), Collier W, Kim J, Agarwal J, Kwok A. A Nationwide Analysis of Early and Late Readmissions Following Free Tissue Transfer for Breast Reconstruction. Presented at American Society for Reconstructive Microsurgery, Fort Lauderdale, FL, January 2020
- Veith J (presenter), Collier W, Simpson A, Magno-Padron D, Mast B, Murphey R, Agarwal J, Kwok A. A comparison of Common Plastic Surgery Operations Using the NSQIP and TOPS Databases. Presented at Plastic Surgery The Meeting, San Diego, CA, September 2019
- Hosein R, Overschmidt B (presenter), Magno-Padron D, Scheefer M, Agarwal J, Collier W, McFarland M, Casucci T, Kwok A. A Comparison of Human and Porcine Acellular Dermal Matrix (ADM) for post-mastectomy prepectoral breast reconstruction: A Scoping Review. Presented at Plastic Surgery The Meeting, San Diego, CA, September 2019
- Holoyda K (presenter), Donato D, Magno-Padron D, Simpson A, Agarwal J. Hand and Wrist Injuries are Common Among Collegiate Athletes: Injury and Surgical Intervention Rates Vary with Athlete Division. Presented at Plastic Surgery The Meeting, San Diego, CA, September 2019
- Hauch A (presenter), Volk A, Farrula M, Magno-Padron D, Buell JF. Abdominal Wall Reconstruction of Complex Chevron Incisions. Presented at the California Society of Plastic Surgeons. San Diego, CA, May 2018
- Downs EA (presenter), Johnston LE, Magno-Padron D, Patton S, Schaheen B, Ailawadi G, Sharma AM. Utility of a Clinical risk score to limit therapeutic anticoagulation in suspected cases of Heparin-Induced Thrombocytopenia (HIT) After Cardiac Surgery. Presented at the Society for Vascular Medicine Annual Meeting, Long Beach, CA, June 2016.

Book Chapter

- Magno-Padron D, Agarwal J. Current Research and Development in Neuromodulators for Healing Nerves. In: Djohan R, Gurunian R, ed. *Flap Neurotization in Reconstructive Surgery*. New York: Springer; (Publication pending)

Awards/Acknowledgment

- Best resident: Department of surgery, Tulane University Owl Club, May 2022
- Matas Clinical Research Award, Tulane University School of Medicine: Department of Surgery, June 2021