

Curriculum Vitae

Melanie Lynn Aya-ay, M.D.

EMPLOYMENT

Board Certified Plastic Surgeon

- ❖ Cosmetic and Reconstructive Surgery
- ❖ Specializing in Breast Reconstruction, Cutaneous Oncology and Cosmetic Surgery
- ❖ Board certified by The American Board of Plastic Surgery, November 12, 2011

Melanie L. Aya-ay, M.D. Plastic Surgery, P.L.

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January 2019 – present

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June 2013-January 2019

Cosmetic & Reconstructive Surgery Center

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Tampa, FL 33607

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www.crsctampa.com

August 2010 – May 2013

EDUCATION

UNDERGRADUATE

1995-1998 **West Virginia University**

Morgantown, WV

BA in Biology – Magna cum Laude

◆ Spurlock Scholar – research scholarship

◆ Arts and Sciences Scholar – for academic excellence

- ◆ Honor's List
- ◆ Beta Beta Beta – Biology Honorary
- ◆ Alpha Epsilon Delta – Premedical Honorary
- ◆ Golden Key National Honor Society
- ◆ Valedictorian Scholarship – 4 year recipient

Summer 1996 **West Virginia Institute of Technology** Montgomery, WV

GRADUATE

2001-2003 **University of Louisville School of Medicine** Louisville, KY
Doctorate of Medicine

- ◆ Honors in Surgery, Plastic and Reconstructive Surgery elective, Internal Medicine, Family Medicine, Pediatrics, Radiology, General Surgery elective
- ◆ Special Commendation – Obstetrics and Gynecology

1999-2001 **West Virginia University School of Medicine** Morgantown, WV

- ◆ John L. Lewis Scholarship – academic achievement and relative affiliated with United Mine Workers of America (2 year recipient)

RESIDENCY

2003 -2006 **University of South Florida** Tampa, FL

- ◆ General Surgery Residency – Categorical position

FELLOWSHIP

2006- 2007 **University of South Florida** Tampa, FL

- ◆ Burn Surgery Fellowship

FELLOWSHIP

2007-2010 **University of South Florida** Tampa, FL

- ◆ Plastic Surgery Fellowship

BOARD CERTIFICATION

American Board of Plastic Surgery

RESEARCH EXPERIENCE

2005-2010 **University of South Florida** Tampa, FL
Division of Plastic and Reconstructive Surgery

Advisor David J. Smith, Jr, M.D.

Design and establishment of a Burn Portal

Review of Standards of Care in Wound Care and Physical/Occupational

Therapy in Stevens Johnson Syndrome and Toxic Epidermal Necrolysis patients

Evaluation of Hydrosurgical Technique for the Debridement of Wounds

Advisor Paul Smith, M.D.

Outcomes of Implant Salvage in Breast Reconstruction patients

Advisor C. Wayne Cruse, M.D.
Evaluation of Sentinel Node Mapping in Merkel Cell Carcinoma
Review of Lightning Strike Injuries at Tampa General Hospital

Advisor Richard Klein, M.D.
Evaluation of the Temporoparietal Fascial Flap for Total Eyelid Reconstruction

2002 **University of Louisville** Louisville, KY
Department of Surgery

Research Assistant – Advisor James K. Lukan, M.D.
Evaluation of the Role of Endovascular stenting in trauma

1999 **Mary Babb Randolph Cancer Center** Morgantown, WV
Blood and Bone Marrow Transplant Program

Clinical Research Assistant – Advisor Solveig Ericson, M.D., Ph.D.
Review of metastatic breast cancer and treatment modalities

Summer 1998 **Mary Babb Randolph Cancer Center** Morgantown, WV
Spurlock Research Scholarship

Clinical Research Assistant – Advisor Joseph Lynch, M.D.
The benefits and risks of EGD in patients undergoing high-dose chemotherapy with or without hematopoietic stem cell support. *Poster Presentation*

PRESENTATIONS

Aya-ay M, Prince M, Suber J, Motes G, Trifiro S, Smith P. **Outcomes of Implant Salvage in Breast Reconstruction Patients with Periprosthetic Infection or Extrusion.** Accepted for oral presentation, Plastic Surgery Senior Residents Conference, January 2010, and for oral presentation, Florida Society of Plastic Surgeons Annual Meeting, December 2010.

Aya-ay M, Rainey S, Coombs M, Cruse C.W. **Nasal Reconstruction Following Electrical Injury: A Case Report.** Accepted for oral presentation, Southern Region Burn Conference, November 2008, and for poster presentation at the University of South Florida Research Day, February 2008.

Aya-ay M, Cruse C.W., Smith D, Coombs M, Rainey S, Powers P, Cobb S. **A Review of Lightning Injuries in a Regional Burn Center.** Accepted for poster presentation, John A. Boswick Burn and Wound Care Symposium, February 2007, for poster presentation, University of South Florida Research Day, February 2007, and for oral presentation, Southern Region Burn Conference, November 2007.

Christie J, Smith D, Rainey S, Aya-ay M, Coombs M, Cobb S, Kinal A. **Retrospective Longitudinal Chart/Database Review of Burn Injuries Associated with Smoking While on Home Oxygen Therapy.**

Accepted for poster presentation, Southern Region Burn Conference, November 2007.

Hernandez D, Rainey S, Aya-ay M, Smith D, Cruse C.W., Coombs M, Cobb S. **The Management of Physical and Occupational Therapy in Patients with Exfoliative Skin Disorders.** Accepted for poster presentation, American Burn Association 39th Annual Meeting, March 2007. 2nd place award.

Meredith KL, Zager JS, Messina JL, Puleo CA, Alvarado M, Aya-ay M, Cruse W, Sondak VK. **Management Options for Sentinel Node Positive Merkel Cell Carcinoma.** Accepted for oral presentation, Society of Surgical Oncology 60th Annual Cancer Symposium. March 2007.

Aya-ay M, Smith D, Cruse C.W., Coombs M, Rainey S. **Evaluation of Hydrosurgical Technique for the Debridement of Contaminated Wounds.** Accepted for oral presentation, John A. Boswick Burn and Wound Care Symposium, February 2007.

Alvarado M.D., Aya-ay M, Jensen E, Messina J, Cruse W, Sondak V. **Tumor Thickness as a Predictor of Sentinel Lymph Node Positivity in Merkel Cell Carcinoma.** Accepted for oral presentation, Society of Surgical Oncology 59th Annual Cancer Symposium. March 2006.

CURRICULUM PRESENTATIONS

Craniosynostosis, Core Curriculum and Clinical Correlation. Jan/Feb 2009. University of South Florida. Faculty Advisor Dr. Ernesto Ruas.

“Burn Center” ICU scenario contributor. Interactive video game that trains physicians, physician extenders, nurses, and EMTs how to treat burn and blast related injuries. Developed by Dr. David W. Mozingo. 2008.

Scalp Reconstruction Using Free Tissue Transfer. June 2008. University of South Florida.

Hand Infections. Core Curriculum and Clinical Correlation. Oct 2007. University of South Florida. Faculty Advisor Dr. Wyatt Payne.

Breast Augmentation. July 2007. Lecture presentation contributor. Cosmetic surgery training course developed for resident physicians, nurses, and physician extenders.

Mastopexy. July 2007. Lecture presentation contributor. Cosmetic surgery training course developed for resident physicians, nurses, and physician extenders.

The Burned Hand. Core Curriculum and Clinical Correlation. Oct 2006. University of South Florida. Faculty Advisor Dr. David J. Smith, Jr.

JOURNAL PUBLICATIONS

Doren, EL, Aya-ay, ML, Pyoderma gangrenosum following breast reduction: treatment with topical tacrolimus and steroids. Aesthet Surg J. 2014 Mar; 34(3):394-9. Epub 2014 Jan 21.

Prince, M., Suber, J., Aya-ay, M., Cone, J., Greene, J., Smith, D., Smith, P. Prosthetic Salvage in Breast Reconstruction Patients with Periprosthetic Infection and Exposure. *Plastic & Reconstructive Surgery*. 129(1):42-48, January 2012.

Hernandez, D., Rainey, S., Cruse, C.W., Smith, D., Aya-ay, M., Coombs, M., Cobb, S. The Management Of Physical and Occupational Therapy in Patients with Exfoliative Skin Disorders. *Advance for Occupational Therapist*. May 14, 2008.

Kurian S, Qazilbash M, Fay S, Wolff S, Herzig R, Hobbs G, Aya-ay M, Bunner P, Weisenborn R, Ericson S. Complete response after high-dose chemotherapy and autologous hematopoietic stem cell transplantation in metastatic breast cancer results in survival benefits. *Proc American Soc Clinical Oncology* 22: page 38, 2003.

CHAPTER PUBLICATIONS

Special Considerations in the Management of Head and Neck Merkel Cell Carcinoma. Melanie L. Aya-ay, M.D., Tapan Padhya, M.D., and C. Wayne Cruse, M.D. *Merkel Cell Carcinoma: A Multidisciplinary Approach*. (in review) Imperial College Press, London, United Kingdom. Editors: Vernon K. Sondak, M.D., Jane L. Messina, M.D., Jonathan S. Zager, M.D., and Ronald C. Deconti, M.D.

VOLUNTEER EXPERIENCE

- | | | |
|---------------|--|--------------------|
| 2010- current | Judeo Christian Health Clinic | Tampa, Florida |
| | <ul style="list-style-type: none">● Providing medical care to the medically indigent residents of the Tampa Bay Area | |
| 2008 | Camp Hopetake | Tampa, Florida |
| | <ul style="list-style-type: none">● Annual camp for children with burn injuries | |
| 2003 & 2010 | Baclayon Mission Clinic | Bohol, Philippines |
| | <ul style="list-style-type: none">● Providing medical evaluation, treatment, and supplies for those without access to medical care | |
| 2000- 2001 | Morgantown Area High Schools | Morgantown, WV |
| | <i>Coordinator of Health Education and Awareness Classes</i> | |
| | <ul style="list-style-type: none">● Educating the community's adolescent population about STD and pregnancy prevention | |
| 2001 | Morgantown Area Elementary Schools | Morgantown, WV |
| | <ul style="list-style-type: none">● TAR WARS – Smoking prevention program | |
| 1997-1998 | Betty Puskar Breast Care Center | Morgantown, WV |

- Volunteer

1996-1997 **Ruby Memorial Hospital**

Morgantown, WV

- Outpatient Surgery and Maternity Ward Volunteer

PROFESSIONAL AFFILIATIONS

American Society of Plastic Surgeons, Active member
The American Society of Aesthetic Plastic Surgery, Candidate
Tampa Bay Society of Plastic Surgeons

COMMITTEES

St. Joseph Hospital Institutional Review Board	2010-2015
St. Joseph Women's Hospital Surgical Suite Planning Committee	2010-2018
Shimberg Breast Center – Breast Program Leadership Committee	2010-current

TRAINING COURSES

ASMS Basic Maxillofacial Principles and Techniques Course, 2008
Basic Microsurgical Course, Indiana University Medical Center, 2007
Sentinel Node Biopsy Training Course, 2005
Advanced Burn Life Support
Advanced Trauma Life Support
Basic Life Support – 2014
Advanced Cardiac Life Support -2013