

CURRICULUM VITAE

Name: CHARLES THOMPSON (TY) TUGGLE, III

Education:

08/2006–05/2011 MD, MHS - Yale University School of Medicine
08/2001–12/2005 BS in Biochemistry & Molecular Biology - University of Georgia

Career/Training:

08/2017–present: Hand Surgery Fellow, Curtis National Hand Center at Medstar Union Memorial Hospital, Baltimore, MD
07/2016–06/2017: Educational Chief Resident, Plastic & Reconstructive Surgery, Yale-New Haven Hospital, New Haven, CT
07/2012–06/2017: Resident, Plastic & Reconstructive Surgery, Yale-New Haven Hospital, New Haven, CT
07/2011–06/2012: Intern, Surgery, Yale-New Haven Hospital, New Haven, CT

Licensure and Board Certification:

03/16/2017-present: Pennsylvania Medical Physician and Surgeon license (MD460323)
Pending: Louisiana Physician license
Pending: Plastic & Reconstructive Surgery Board Certification

Honors/Awards:

- Yale Plastic Surgery Scholastic Award [Top In-Service Exam Score] (2017)
- Quarterly Excellent Teaching Resident Recognition 09/13, 12/13, 03/14
- YNHH Medical Staff, Patient Experience Recognition 06/13, 07/13
- *Cum laude*, Yale University School of Medicine (2011)
- Association for Academic Surgery–Novartis Research Award (2011)
- Yale Farr Scholar (2011)
- Doris Duke Clinical Research Fellowship (2009-2010)
- *Summa cum laude*, University of Georgia (2005)
- First Honors Graduate [Valedictorian], Department of Biochemistry and Molecular Biology (2005)
- Honors Program: Highest Honors Capstone (2005)
- Phi Beta Kappa (2004)
- Blue Key Honor Society (2004)
- University of Georgia Foundation Fellowship (2003)
- University of Georgia Charter Scholarship (2001)

Research Grants/Stipends:

1. Title: The Effect of Scaphoid Overstuffing on Radiocarpal Kinetics
Role: Principle Investigator
Source: Curtis National Hand Center
Funding: \$7,575
Interval: August 2017-September 2018
Mentor: Dr. James Higgins, MD
2. Title: Thyroid Cancer in the Elderly: Predictors of Quality of Care and Outcomes
Role: Principle Investigator
Source: Doris Duke Clinical Research Fellowship
Funding: \$32,000
Interval: July 2009-July 2010
Mentor: Dr. Julie Ann Sosa, MA, MD, FACS
3. Title: Outcomes Analysis of Thyroid and Parathyroid Surgery in Children
Role: Investigator
Source: NIH - Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Research Grant (T35); and Graduate and Professional Student Senate of Yale University - Professional Development Travel Fund
Funding: \$5,000
Interval: July 2007-September 2007
Mentor: Dr. Julie Ann Sosa, MA, MD, FACS

Courses Taught:

- Teaching Assistant, Histology Course for YSM-MS1, 2007-2008
- Instructor, Students-Helping-Students Anatomy Course for YSM-MS1, 2007-2008

Professional Organizations:

- American Society for Surgery of the Hand
 - Candidate member, 2016-present
- Association for Academic Surgery
 - Resident member, 2011-present
 - Medical student member, 2010-2011
- ASPS Legislative Advocacy Committee
 - Fellow member, 2016-2017
- Plastic Surgery Research Council
 - Resident member, 2012-present

Publications:

Peer-reviewed Manuscripts

1. Mirza FN, **Tuggle CT**, Zogg CK, Mirza HN, Narayan D.
Epidemiology of malignant cutaneous granular cell tumors: A United States population-based cohort analysis using the Surveillance, Epidemiology, and End Results (SEER) database.
- *Journal of the American Academy of Dermatology*. 2017; 9622(17):32467-72.
2. Berlin NL, **Tuggle CT**, Steinbacher DM.

Short-term outcomes following orthognathic surgery are associated with high-volume centers.

- *Plastic and Reconstructive Surgery*. 2016; 138(2):273e-81e.

3. Dimitrievska S, Gui L, Weyers A, Lin T, Cai C, Wu W, **Tuggle CT**, Sundaram S, Balestrini JL, Slattery D, Tchouta L, Kyriakides TR, Tarbell JM, Linhardt RJ, Niklason LE.
New Functional Tools for Antithrombogenic Activity Assessment of Live Surface Glycocalyx.
- *Arteriosclerosis, Thrombosis, and Vascular Biology*. 2016; 36(9):1847-53.
4. Zhu VZ, **Tuggle CT**, Au AF.
Promise and Limitations of Big Data Research in Plastic Surgery.
- *Annals of Plastic Surgery*. 2016; 76(4):453-8.
5. Forte AJ, **Tuggle CT**, Berlin NL, Fischer JP, Persing J.
Hysterectomy with concurrent panniculectomy: A propensity-matched analysis of 30-day outcomes.
- *Plastic and Reconstructive Surgery*. 2015; 136(3):582-90.
6. Fischer JP, Wink JD, **Tuggle CT**, Nelson JA, Kovach SJ.
Wound risk assessment in ventral hernia repair: Generation and internal validation of a risk stratification system using the ACS-NSQIP.
- *Hernia*. 2015; 19(1):103-11.
7. Fischer JP, Wes AM, **Tuggle CT**, Nelson JA, Tchou JC, Serletti JM, Kovach SJ, Wu LC.
Mastectomy with or without immediate implant reconstruction has similar 30-day perioperative outcomes.
- *Journal of Plastic Reconstructive and Aesthetic Surgery*. 2014; 67(11):1515-22.
8. Fischer JP, Wink JD, **Tuggle CT**, Nelson JA, Serletti JM, Kovach SJ.
Predictive risk model of 30-day mortality in plastic and reconstructive surgery patients.
- *Plastic and Reconstructive Surgery*. 2014; 134(1):156-64.
9. Berlin NL, **Tuggle CT**, Thomson JG, Au A.
Digit replantation in children: A nationwide analysis of outcomes and trends of 455 pediatric patients.
- *Hand*. 2014; 9(2):244-52.
10. **Tuggle CT**, Patel A, Broer N, Persing JA, Sosa JA, Au A.
Increased hospital volume is associated with improved outcomes following abdominal-based breast reconstruction.
- *Journal of Plastic Surgery and Hand Surgery*. 2014; 48(6):382-8.
11. Fischer JP, Wes AM, **Tuggle CT**, Wu LC.

Venous thromboembolism risk in mastectomy and immediate breast reconstruction: Analysis of the 2005 to 2011 American College of Surgeons National Surgical Quality Improvement Program data sets.

- *Plastic and Reconstructive Surgery*. 2014; 133(3):263e-73e.

12. Fischer JP, **Tuggle CT**, Wes AM, Kovach SJ.
Concurrent panniculectomy with open ventral hernia repair has added risk versus ventral hernia repair: An analysis of the ACS-NSQIP database.
- *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 2014; 67(5):693-701.
13. Nelson JA, Fischer JP, Chung CU, West A, **Tuggle CT**, Serletti JM, Kovach SJ.
Obesity and early complications following reduction mammoplasty: An analysis of 4545 patients from the 2005-2011 NSQIP datasets.
- *Journal of Plastic Surgery and Hand Surgery*. 2014; 48(5):334-9.
14. Fischer JP, **Tuggle CT**, Au A, Kovach SJ.
A 30-day risk assessment of mastectomy alone compared to immediate breast reconstruction.
- *Journal of Plastic Surgery and Hand Surgery*. 2014; 48(3):209-15.
15. Fischer JP, Wes AM, **Tuggle CT**, Serletti JM, Wu LC.
Risk analysis and stratification of surgical morbidity after immediate breast reconstruction.
- *Journal of The American College of Surgeons*. 2013; 217(5):780-7.
16. Fischer JP, Wes AM, **Tuggle CT**, Serletti JM, Wu LC.
Risk analysis of early implant loss after immediate breast reconstruction: a review of 14,585 patients.
- *Journal of The American College of Surgeons*. 2013; 217(6):983-90.
17. Fischer JP, Nelson JA, Au A, **Tuggle CT**, Serletti JM, Wu LC.
Complications and morbidity following breast reconstruction - a review of 16,063 cases from the 2005-2010 NSQIP datasets.
- *Journal of Plastic Surgery and Hand Surgery*. 2014; 48(2):104-14.
18. Patel A, Chang CC, Terner JS, **Tuggle CT**, Persing JA.
Improved correction of supraorbital rim deformity in craniosynostosis by the "tilt" procedure.
- *Journal of Craniofacial Surgery*. 2012; 23(2):370-3.
19. **Tuggle CT**, Roman S, Udelsman R, Sosa JA.
Same-day thyroidectomy: A review of practice patterns and outcomes for 1,168 procedures in New York State.
- *Annals of Surgical Oncology*. 2011; 18(4):1035-40.
20. Indes JE, **Tuggle CT**, Mandawat A, Muhs BE, Sosa, JA.
Effect of physician and hospital experience on patient outcomes for endovascular treatment of aortoiliac occlusive disease (AIOD).
- *Archives of Surgery*. 2011; 146(8):966-71.

21. **Tuggle CT**, Park LS, Roman S, Udelsman R, Sosa JA.
Rehospitalizations among elderly patients with thyroid cancer following thyroidectomy are prevalent and costly.
- *Annals of Surgical Oncology*. 2010; 17(11):2816-23.
22. Indes JE, Mandawat A, **Tuggle CT**, Muhs B, Sosa JA.
Endovascular procedures for aortoiliac occlusive disease are associated with superior short-term clinical and economic outcomes compared to open surgery in the inpatient population.
- *Journal of Vascular Surgery*. 2010; 52(5):1173-9.
23. Indes JE, **Tuggle CT**, Mandawat A, Sosa JA.
Age-stratified outcomes in elderly patients undergoing open and endovascular procedures for aortoiliac occlusive disease.
- *Surgery*. 2010; 148(2):420-8.
24. Sosa JA, **Tuggle CT**, Wang TS, Boudourakis L, Thomas DC, Rivkees S, Roman SA.
Clinical and economic outcomes of thyroid and parathyroid surgery in children.
- *Journal of Clinical Endocrinology and Metabolism*. 2008; 93(8):3058-65.
25. **Tuggle CT**, Roman SA, Wang TS, Boudourakis L, Thomas DC, Udelsman R, Sosa JA.
Pediatric endocrine surgery: Who is operating on our children?
- *Surgery*. 2008; 144(6):869-77.

Review Articles and Editorials

1. Berlin NL, Steinbacher DM, **Tuggle CT**.
Procedure volume in orthognathic surgery: The surgeon or the hospital.
- *Journal of Oral and Maxillofacial Surgery*. 2017;75(10):2037.
2. Zhu V, **Tuggle CT**, Au A.
Promise and limitations of big data research in plastic surgery.
- *Annals of Plastic Surgery*. 2016;76(4):453-8.
3. Patel A, Pfaff M, **Tuggle CT**.
The plastic and reconstructive surgery facebook page: newfound treasure.
- *Plastic and Reconstructive Surgery*. 2013;132(1):189e.
4. Shah A, **Tuggle CT**, Clune JE, Steinbacher D, Patel A.
FaceTime with Apple and Information Technology.
- *Plastic and Reconstructive Surgery*. 2012;129(3):562e-3e.
5. Breuer C, **Tuggle CT**, Solomon D, Sosa JA.
Pediatric thyroid disease: When is surgery necessary and who should be operating on our children?
- *Journal of Clinical Research in Pediatric Endocrinology*. 2013;5 Suppl 1:79-85.

Book Chapters / Educational Material

1. American Society of Craniofacial Surgery Fellows Curriculum, 2014.
- **Tuggle CT**, Grabowski G, Steinbacher DS. Module on Dental Anatomy and Principles of Occlusion.
2. Sippel RS, Chen H. *Handbook of Endocrine Surgery*. World Scientific, 2012.
- **Tuggle CT**, Sosa JA, Udelsman R. Chapter II.B.5: Hyperparathyroidism in Familial Disease.
3. Le T, Bhushan V, Grimm L. *First Aid for the USMLE Step 1*. McGraw-Hill Medical Publishing, 2009.
- Contributing Author: Behavioral science, Immunology, and Respiratory sections.

Presentations at Professional Meetings:

1. American Association for Hand Surgery Annual Meeting – Phoenix, AZ – January, 2018. A population-based assessment of potential patients for targeted muscle reinnervation.
2. American Society of Plastic Surgeons Annual Meeting – Chicago, IL – October, 2014. Hysterectomy with concurrent panniculectomy: A propensity-matched multi-center analysis of 30-day outcomes. Resident abstract presentation.
3. American Society for Reconstructive Microsurgery Annual Meeting – Naples, FL – January, 2012. Increased hospital volume is associated with improved outcomes following abdominal-based breast reconstruction. Microsurgical practice paper session.
4. Plastic Surgery Research Council Annual Meeting – Ann Arbor, MI – June, 2012. The influence of hospital volume on outcomes following autologous abdominal-based breast reconstruction. Scientific podium session presentation.
5. Yale School of Medicine Student Research Day – New Haven, CT – May, 2011. Rehospitalizations among elderly patients with thyroid cancer following thyroidectomy are prevalent and costly. Poster presentation.
6. Doris Duke Clinical Research Fellow Meeting – Dallas, TX – June, 2010. Thyroidectomy in the elderly: Characterizing and predicting rehospitalization. Plenary session presentation.
7. Vascular Annual Meeting – Boston, MA – June, 2010. Effect of physician and hospital experience on patient outcomes for endovascular treatment of aortoiliac occlusive disease. Rapid-paced paper session.
8. American Association of Endocrine Surgeons 31st Annual Meeting – Pittsburgh, PA – April, 2010. Same-day thyroidectomy: A review of practice patterns and outcomes for 1,168 procedures in New York State. Poster competition presentation, poster of distinction award.

9. American Association of Endocrine Surgeons 29th Annual Meeting – Monterey, CA – April, 2008.
Pediatric endocrine surgery: Who is operating on our children? Plenary session presentation.

Abstracts:

1. **Tuggle CT**, Aziz KT, Giladi AM, Higgins JP.
The effect of scaphoid overstuffing on radiocarpal contact pressures. - MedStar Health Research Symposium, April 2018.
2. **Tuggle CT**, Zogg CK, Mirza F, Clune JE.
A population-based assessment of potential patients for targeted muscle reinnervation. - American Association for Hand Surgery Annual Meeting, January 2018.
3. Rafailov L, **Tuggle CT**, Levin F.
Primary epithelial malignancies of the lacrimal gland: Trends in survival. - American Academy of Ophthalmology Annual Meeting, November 2015.
4. **Tuggle CT**, Berlin NL, Steinbacher DS.
Improved outcomes following orthognathic surgery are associated with high-volume centers. - The 16th Congress of International Society of Craniofacial Surgery, September 2015.
5. Berlin NL, **Tuggle CT**, Thompson JG, Au A.
Digit replantation in children: A nationwide analysis of outcomes and trends of 455 pediatric patients. - Northeastern Society of Plastic Surgeons 31st Annual Meeting, September 2014.
6. Wes AM, Fischer JP, **Tuggle CT**, Nelson JA, Tchou JC, Serletti JM, Kovach SJ, Wu LC.
Risk assessment of immediate breast reconstruction relative to mastectomy alone: Analysis of 30-day complications using the ACS-NSQIP. - *Plastic and Reconstructive Surgery*. 2014; 133(4 Suppl):36S.
7. Fischer JP, **Tuggle CT**, Wes AM, Kovach SJ.
Risk assessment of concurrent panniculectomy with open ventral hernia repair: A propensity score-matched analysis using the 2005-2011 ACS-NSQIP. - *Plastic and Reconstructive Surgery*. 2014; 133(3 Suppl):42S.
8. Fischer JP, Wes AM, **Tuggle CT**, Serletti JM, Wu LC.
Risk analysis and stratification of surgical morbidity following immediate breast reconstruction (IBR). - Northeastern Society of Plastic Surgeons 30th Annual Meeting, September 2013.
9. **Tuggle CT**, Patel A, Persing JA, Sosa JA, Au A.

The influence of hospital volume on outcomes following autologous abdominal-based breast reconstruction. - *Plastic and Reconstructive Surgery*. 2012; 130(1 Suppl):38S.

10. **Tuggle CT**, Patel A, Broer N, Clune JE, Sosa JA, Persing J.
Craniosynostosis: Population-level predictors of surgical technique in 1,680 patients.
- International Society of Craniofacial Surgery XIV Biennial Meeting, August 2011.
11. **Tuggle CT**, Park LS, Roman S, Udelsman R, Sosa JA.
Thyroidectomy in the elderly: Characterizing and predicting rehospitalization.
- Doris Duke Clinical Research Fellow Meeting, June 2010.
12. **Tuggle CT**, Sosa JA, Mandawat A, Indes J.
Effect of physician and hospital experience on patient outcomes for endovascular treatment of aortoiliac occlusive disease. - Vascular Annual Meeting, June 2010.
13. **Tuggle CT**, Roman S, Udelsman R, Sosa JA.
Same-day thyroidectomy: A review of practice patterns and outcomes for 1,168 procedures in New York State. - American Association of Endocrine Surgeons 31st Annual Meeting, April 2010.
14. Mandawat A, Indes J, **Tuggle CT**, Sosa JA.
Open versus endovascular approaches for aortoiliac occlusive disease (AIOD) in the elderly. - Society of University Surgeons, Fifth Annual Academic Surgical Congress, February 2010.
15. Panigrahi B, **Tuggle CT**, Roman S, Sosa JA.
Medullary Thyroid Cancer: Are practice patterns in the U.S. discordant from ATA guidelines? - Association for Academic Surgery, Fifth Annual Academic Surgical Congress, February 2010.
16. **Tuggle CT**, Roman S, Boudourakis L, Thomas D, Udelsman R, Sosa JA.
Pediatric endocrine surgery: Who is operating on our children? - American Association of Endocrine Surgeons 29th Annual Meeting, April 2008.

International Experience:

1. Vietnam - Spring 2011 (10 days) – Cleft lip/palate surgical mission trip, 75 procedures on 65 children; Khanh Hoa General Hospital, Khanh Hoa Province.
2. Japan - Fall 2005 - Spring 2006 (1-year exchange program) – Kyoto University of Foreign Studies.
3. South Korea - Spring 2005 (1 week) – Course on Buddhism involving staying in two monasteries.
4. Hungary/Romania - Summer 2004 (2 months) – Abbreviated rotation at Hungarian Institute of Enzymology, courses on Roma people.

5. Ecuador - Spring 2004 (1 week) – Study of the effects of “Fair Trade” coffee production on local farmers.
6. Japan - Summer 2003 (2.5 months) – Hokkaido International Foundation, Japanese language and culture program.

Skills:

- Programming – SAS, SPSS
- Administrative and clinical database experience – HCUP products, ACS-NSQIP, SEER, SEER-Medicare, NCDB
- Image software – Prism, Adobe Photoshop, Adobe Lightroom

Hobbies and Interests:

- Japanese language and culture
- Running (5K / 10K)
- Lacrosse (UGA club lacrosse starting defenseman 2002, 2003 seasons; Tennessee All-State 1999)