

CURRICULUM VITAE

ABIGAIL E. CHAFFIN MD, FACS, CWSP, FAPWCA

Associate Professor of Surgery
Division of Plastic and Reconstructive Surgery
Program Director – Tulane/Ochsner Plastic Surgery Residency Program
Henderson Chair in Surgery
Tulane University

EMPLOYMENT AND APPOINTMENTS

Associate Professor of Surgery

Division of Plastic and Reconstructive Surgery
Tulane University School of Medicine, New Orleans, LA, 2008 – present

Program Director – Tulane University/Ochsner Clinic Plastic Surgery Residency Program

Tulane University School of Medicine
Division of Plastic and Reconstructive Surgery
New Orleans, LA, July 2019 - present

Associate Program Director – Tulane University Plastic Surgery Residency Program

Tulane University School of Medicine
Division of Plastic and Reconstructive Surgery,
New Orleans, LA, 2009 – present

Medical Director – Tulane Institute for Wound Healing

Tulane University Medical Group/MedCentris
New Orleans, LA, 2018 – present
Certified Wound Specialist Physician (CWSP) and FAPWCA certified

Lead Wound Care Physician - Tulane Center For Wound Healing

Tulane University Hospital and Clinics
New Orleans, LA, 2014 - 2018

Director - Tulane Outpatient Burn Clinic

Tulane University Hospitals and Clinics - Tulane-Lakeside Hospital
Metairie, LA, 2010 - 2014

Director - Tulane Wound Clinic

Tulane University Hospital and Clinics
New Orleans, LA, 2009 – 2014

Plastic Surgery Faculty Appointments

Tulane University Hospital and Clinic, New Orleans, LA
Tulane Lakeside Hospital, Metairie, LA
Lakeview Regional Hospital, Covington, LA
Touro Infirmary Hospital, New Orleans, LA
Fairway Medical Center, Mandeville, LA
Ochsner Health System, Jefferson, LA
St. Tammany Parish Hospital, Covington, LA

BOARD CERTIFICATION

American Board of Plastic Surgery: 2009, Recertification 2019

American Board of General Surgery: 2007, Recertification 2017

SPECIALTY CERTIFICATIONS

Diplomat of the American Board of Wound Medicine and Surgery

January, 2019

Undersea and Hyperbaric Medical Society

Introductory Hyperbaric Course Certification - July 2018

American Board of Wound Management:

Certified Wound Specialist Physician (CWSP) - October 2016

American Board of Wound Healing:

Certificate of Additional Qualification and Physician Certification in Wound Care -

Fellow of the American Professional Wound Care Association (FAPWCA) - Feb. 2017

American Board of Wound Medicine and Surgery:

Diplomate, December 2018

American College of Surgeons

Fellowship (FACS) 2017

LICENSURE

Louisiana State Board of Medical Examiners

2008-present

Federal DEA

2006-present

Louisiana DEA

2006-present

EDUCATION AND TRAINING

UNDERGRADUATE

University of Michigan, Ann Arbor, MI, 1993-1997

Bachelor of Science in Biology, with high distinction, May 1997

MEDICAL SCHOOL

Wayne State University School of Medicine, Detroit, MI 1997-2001

Doctor of Medicine with High Distinction, June 2001

RESIDENCY

Wayne State University/Detroit Medical Center - General Surgery Residency

Detroit, MI: 7/01/2001 - 6/30/2006

FELLOWSHIP

Tulane University - Plastic and Reconstructive Surgery Fellowship

New Orleans, LA: 7/01/2006 - 6/30/2008

Administrative Chief Resident: 7/01/2007 - 6/30/2008

HONORS AND AWARDS

MedCentris Wound Medicine Physician of the Year – The Golden Curette Award, Dec. 2019

Tulane Owl Club Award: Best Outpatient Surgery clerkship, May 2019

Henderson Chair in Surgery - Tulane University, 2012

Veterans Administration Surgical Leadership Award, 2004

The Waldo Cain Award for Academic Excellence, 2003

Alpha Omega Alpha - elected 2000, Vice-President

Saul Brown, M.D. Endowed Memorial Prize in Pathology, 1999

Phi Beta Kappa Society, 1997

Golden Key National Honor Society, 1997

LEADERSHIP

American Society of Plastic Surgeons: Essentials of Leadership Program, 2018
Louisiana Hospital Association: Physician Leadership Academy 100, 2018
Panel Leader: Women In Surgery Group – Sexual Harassment in Surgery, 2018
Elected Peer Mentor –Tulane University Environment of Learning/Professionalism Program, 2019
Tulane University Environment of Learning/Professionalism Program: Appointed Peer Messenger, 2019
AAMC Mid-Career Women Faculty Leadership Development Seminar, 2019

COMMITTEES AND ADMINISTRATIVE SERVICE

Appointed Member – Quarterly Pain Management Subcommittee of the Pharmacy & Therapeutics Committee
Tulane Health System
February 2021

Appointed Member – Tulane University Teledoc Physician Champion
Tulane University Department of Surgery
December 2020

Appointed Member – ACAPS Membership Committee
American Council of Academic Plastic Surgeons
October 2020

Appointed Member – ACAPS Taskforce on Aesthetic Surgery Education Committee
American Council of Academic Plastic Surgeons
October 2020

Appointed Member – ACAPS Women in Academic Surgery Committee
American Council of Academic Plastic Surgeons
October 2020

Appointed Member – ACAPS Research in Education Committee
American Council of Academic Plastic Surgeons
October 2020

Appointed Member – ACCME Committee
Southeastern Society of Plastic and Reconstructive Surgeons
June 2020

Appointed Member – Program Committee
Southeastern Society of Plastic and Reconstructive Surgeons
June 2020

Elected Member – Nominating Committee
Southeastern Society of Plastic and Reconstructive Surgeons
Naples, FL, June 2019

Elected Member – Nominating Committee
American Council of Academic Plastic Surgeons
Baltimore, MD, April 2019

Appointed Member – Pressure Injury Taskforce
Tulane University Hospital and Clinics
New Orleans, LA, 2018

Elected Member – Tulane Faculty and Staff Benefits Committee
Tulane University Medical Group
New Orleans, LA, 2018

Appointed Member – Electronic Clinical Works Steering Committee
Tulane University Medical Group
New Orleans, LA, 2011 - 2012

Appointed Member – TUHC Bylaws Committee
Tulane University and Clinics
New Orleans, LA, 2015 - present

Chair, Resident Selection Committee
Tulane University Plastic Surgery Residency Program

New Orleans, LA, 2012 – present

American Society of Plastic Surgeons

Committee Member Women Plastic Surgeons Committee 2017 - present

Committee Candidate for Inservice Exam Committee

American Burn Association – Committee candidate

Education Committee

American Council of Academic Plastic Surgeons – Committee member

Resident Selection Committee

American Council of Academic Plastic Surgeons – Committee member

Nominating Committee, April 2019

American Council of Academic Plastic Surgeons – Committee member

Women in Academic Surgery Committee, March 2020

Louisiana Society of Plastic Surgeons – Committee member

Member of Plastic Surgery Committee for LSMS Council on Legislation/LSBME

- Testified regarding legitimacy of plastic surgery board certification and ABMS/ACGME recognized training pathways

Advisory Board Member

Invited panelist for Smith and Nephew wound care division, 2018

Southeastern Society of Plastic and Reconstructive Surgeons – Committee member

Nominating Committee, June 2019

Southeastern Society of Plastic and Reconstructive Surgeons – Committee member

Scientific and Program Committee, March 2020

American Hernia Society - Committee member

Residents Committee

- Plan resident curriculum for annual AHS meeting/select resident abstracts
- Plan resident educational webinars and give webinar presentations

Tulane University Philanthropy Champions Program – Appointed member

February, 2020

PROFESSIONAL ORGANIZATIONS AND MEMBERSHIPS

American Professional Wound Care Association

American Society of Plastic Surgeons

Louisiana Society of Plastic Surgeons

American Council of Academic Plastic Surgeons

Southeastern Society of Plastic and Reconstructive Surgeons

American Professional Wound Care Association

American Burn Association

American Hernia Society

Louisiana State Medical Society

Alpha Omega Alpha

Phi Beta Kappa Society

Golden Key National Honor Society

Wound Healing Society

COMMUNITY SERVICE

Multiple Sclerosis Association of America

2013-present

Volunteer member of Street Squad – help to spread community awareness of MS

Young Life Ministries

Volunteer and contributor

2008-present

PRESENTATIONS

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| Invited Lectureship – University of Mississippi Medical Center General Surgery Grand Rounds “Updates in Abdominal Wall Reconstruction” Virtual Visiting Professor Presentation | Feb. 3 rd , 2021 |
| Invited Lectureship – Emory University Plastic Surgery Grand Rounds “Updates in Abdominal Wall Reconstruction” Emory University Virtual Presentation | January 15, 2021 |
| “Advances in Abdominal Wall Reconstruction” “The Loupe” Plastic Surgery Podcast Series National Plastic Surgery Virtual Educational Series | Oct. 27 th , 2020 |
| “Plastic Surgery Reconstruction for Neurosurgical Procedures” Tulane University Department of Neurosurgery Grand Rounds Presentation Tulane University, New Orleans, LA | Oct. 9 th , 2020 |
| “Breast Implant-Associated Anaplastic Large Cell Lymphoma – BIA-ALCL” Tulane University General Surgery Grand Rounds Tulane University, New Orleans, LA | April 17 th , 2020 |
| “Abdominal Wall Reconstruction” American Society of Plastic Surgery Regional Grand Rounds University of Alabama – Birmingham, LSU, Tulane, University of Mississippi at Jackson Plastic Surgery Training Programs | April 16 th , 2020 |
| “Wound Medicine and the Management of the Difficult Wound: Tulane University ENT Grand Rounds Tulane University, New Orleans, LA | Feb. 18 th , 2020 |
| “Sponsoring Versus Mentoring: What’s The Difference?” Tulane University Group on Women in Medicine and Science Tulane University, New Orleans, LA | Jan. 23 rd , 2020 |
| “Soft Tissue Coverage in Abdominal Wall Reconstruction: Tulane University General Surgery Grand Rounds Tulane University, New Orleans, LA | Oct. 4 th , 2019 |
| “Wound Management and Modern Wound Medicine” Tulane Dermatology Grand Rounds Tulane University, New Orleans, LA | April 12 th , 2019 |
| “Soft Tissue Coverage for Abdominal Wall Reconstruction” Southern Society of Clinical Surgeons Tulane University, New Orleans, LA | March 26 th , 2019 |
| Invited Speaker – American Hernia Society and International Hernia Collaboration “Soft Tissue Coverage for Abdominal Wall Reconstruction: When to use flaps, tissue expanders and other tricks” International Hernia Collaboration Facebook group live lecture | Nov. 9 th , 2017 |

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| Invited Keynote Speaker – Tulane Obstetrics and Gynecology Lectureship “Plastic Surgery and Wound Care Techniques for Gynecologists” Tulane University, New Orleans, LA | June 16, 2017 |
| Invited Speaker – Multidisciplinary Wound Care Conference “Topical Wound Antibiotic Therapy for Critically-Colonized Wounds” New Orleans, LA | June 6 th , 2017 |
| Invited Speaker – 9 th Annual Tulane Symposium on Thyroid and Parathyroid Diseases/Tulane Symposium on Skin Malignancies “Reconstructive Surgery for Melanoma” New Orleans, LA | April 29, 2017 |
| Invited Panelist – InnovationLA Panel, New Orleans Bioinnovation Center “Understanding Your Customer: New Technology Adoption by Medical Providers” New Orleans, LA | Nov. 15, 2016 |
| Tulane University Department of Surgery Grand Rounds Presentation “Abdominal Wall Reconstruction – Evolving Techniques” Tulane University, New Orleans, LA | March 19, 2016 |
| Invited Keynote Speaker – International Association for Child Safety “Pediatric Burns and Burn Safety” New Orleans, LA | Nov. 7, 2015 |
| Multidisciplinary Breast Conference “Breast Reconstruction” Tulane University, New Orleans, LA | January 11, 2013 |
| Tulane University Department of Obstetrics and Gynecology Grand Rounds “Wound Healing and Wound Management” Tulane University, New Orleans, LA | February 10, 2012 |
| Louisiana State University Emergency Medicine Grand Rounds Presentation “Burn Injuries and Management” LSU, New Orleans, LA | August 31, 2011 |
| Tulane University Department of Surgery Grand Rounds Presentation “Abdominal Wall Reconstruction” Tulane University, New Orleans, LA | March 24, 2010 |
| Tulane University Department of Surgery Grand Rounds Presentation “Body Contouring After Bariatric Surgery” Tulane University, New Orleans, LA | Jan. 7, 2009 |

TEACHING ACTIVITIES

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| Tulane/Ochsner Plastic Surgery Residency Program Director | 2019-present |
| Tulane Plastic Surgery Residency Associate Program Director | 2008-present |
| Chair of Residency Selection Committee | 2009-present |
| Developed Program Information File | 2010 |
| Designed and implemented new core curriculum program | 2017 |
| Women in Surgery Mentorship Program: Faculty mentor for medical students | 2014-present |
| WIS – Breast Reconstruction presentation | Oct. 22, 2018 |
| WIS - Invited Panelist: Women Surgery Residents | Nov., 8, 2018 |

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| Faculty leader for Tulane Plastic Surgery Weekly Teaching Rounds | 2008-present |
| Faculty director for Tulane Plastic Surgery Outpatient Surgery Rotation | 2008-present |
| Faculty director for Tulane Surgical Pathways medical student elective | 2008-present |

PUBLICATIONS

Chaffin AE, Bohn GA. **Extracellular matrix graft for reconstruction over exposed structures: a pilot case series.** *Journal of Wound Care*, 2020 Nov 11; Vol. 29, No 12.

Chaffin AE, Buckley MC. **Extracellular matrix graft for the surgical management of Hurley stage III hidradenitis suppurative: a pilot case series.** *Journal of Wound Care*, 2020 Nov 11; Vol. 29, No 11.

Straughan DM, McCarthy ME, Guidry RF, Chaffin AE, St Hilaire H, Dancisak M, Lindsey JT. **Preoperative Evaluation of the Superficial Fascial System Can Predict Wound Complications in Body Contouring Surgery.** *Ann Plast Surg*. 2020 Feb 5. doi: 10.1097/SAP.0000000000002155. [Epub ahead of print]

Pashos NC, Graham DM, Burkett BJ, O'Donnell B, Sabol RA, Helm J, Martin EC, Bowles AC, Heim WM, Caronna VC, Miller KS, Grasperge B, Sullivan S, Chaffin AE, Bunnell BA. **Acellular Biologic Nipple-Areolar Complex Graft: In Vivo Murine and Nonhuman Primate Host Response Evaluation.** *Tissue Eng Part A*. 2020 Feb 28. doi: 10.1089/ten.TEA.2019.0222. [Epub ahead of print]

Mess SA, Bharti G, Newcott B, Chaffin AE, Van Natta BW, Momeni R, Swanson S. **To Post or Not to Post: Plastic Surgery Practice Marketing, Websites and Social Media.** *Plast Reconstr Surg Glob Open*. 2019 Jul 25;7(7):e2331. doi: 10.1097/GOX.0000000000002331. eCollection 2019 Jul.

Patel SS, Homsy C, Atamian EK, Chaffin AE. **Thermal Imaging Facilitates Design of a Keystone Perforator Island Flap for a Myxofibrosarcoma Resection Reconstruction: Case Report.** *Plast Reconstr Surg Glob Open*. 2019 Aug 8;7(8):e2359. doi: 10.1097/GOX.0000000000002359.

Strong AL, Bunnell B, Chaffin AE, Jansen DA. **Gauze impregnated with quaternary ammonium salt reduces bacterial colonization of surgical drains after breast reconstruction.** *Ann Plast Surg*. 2018 Jun;80(6S Suppl 6):S426-S430

Pashos N., Scarritt M., Eagle Z., Gimble J., Chaffin A., Bunnell B. **Characterization of an Acellular Scaffold for a Tissue Engineering Approach to Nipple—Areolar Complex Reconstruction.** *Cells Tissues Organs*. 2017;203(3):183-193. doi: 10.1159/000455070. Epub 2017 Jan 27.

Boonjindasup A, Pinsky M, Stewart C, Trost L, Chaffin A, Jansen D, Hellstrom W. **Management of adult concealed penis using a meshed, split-thickness skin graft.** *Can Urol Assoc J* 2016;10(11-12):E412-6.

Freeman MD, Vemula R, Rao R, Matatov TS, Strong AL, Tandon R, Chaffin AE, Jansen DA. **Refinements in the Techniques of 2-Stage Breast Reconstruction.** *Annals of Plastic Surgery*. 2016 June.;76:S304-S311.

Somanna NK, Wörner PM, Murthy SN, Pankey EA, Schächtele DJ, St Hilaire RC, Jansen D, Chaffin AE, Nossaman BD, Alt EU, Kadowitz PJ, Izadpanah R. **Intratracheal administration of cyclooxygenase-1-transduced adipose tissue-derived stem cells ameliorates monocrotaline-induced pulmonary hypertension in rats.** *Am J Physiol Heart Circ Physiol*. 2014 Oct

15;307(8):H1187-95. doi: 10.1152/ajpheart.00589.2013. Epub 2014 Aug 22.

Senst C, Nazari-Shafti T, Kruger S, Bentrup KH, Dupin CL, Chaffin AE, Srivastav SK, Worner PM, Abdel-Mageed AB, Alt EU, Izadpanah R. **Prospective dual role of mesenchymal stem cells in breast tumor microenvironment.** *Breast Cancer Res Treat.* 2013 Jan;137(1):69-79. Epub 2012 Nov 10.

Alt EU, Senst C, Murthy SN, Slakey DP, Dupin CL, Chaffin AE, Kadowitz PJ, Izadpanah R. **Aging alters tissue resident mesenchymal stem cell properties.** *Stem Cell Res.* 2012 Mar; 8(2): 215-25. Epub 2011 Nov 15.

Epps MT, Cannon CL, Wright MJ, Chaffin AE, Newsome RE, Friedlander PL, Chiu ES. **Aesthetic restoration of parotidectomy contour deformity using the supraclavicular artery island flap.** *Plast Reconstr Surg.* 2011 May;127(5):1925-31.

Nazari-Shafti TZ, Freisinger E, Roy U, Bulot CT, Senst C, Dupin CL, Chaffin AE, Srivastava SK, Mondal D, Alt EU, Izadpanah R. **Mesenchymal stem cell derived hematopoietic cells are permissive to HIV-1 infection.** *Retrovirology.* 2011 Jan 12;8(1):3.

Chiu ES, Liu PH, Baratelli R, Lee MY, Chaffin AE, Friedlander PL. **Circumferential pharyngoesophageal reconstruction with a supraclavicular artery island flap.** *Plast Reconstr Surg.* 2010 Jan;125(1):161-6.

Markel DC, Critchfield J, Chaffin A, Wooley PH, Grimm MJ. **Cement pressurization after provisional repair of femoral cortical defects.** *Am J Orthop.* 2003 May;32(5):229-33.

SCIENTIFIC PRESENTATIONS: PODIUM

Chaffin AE, Bohn G, May B. "ECM Reconstruction of Soft Tissue Defects with Exposed Vital Structures." *Boswick Wound and Burn Care Symposium.* Maui, HI. Feb, 2020

Straughan D, McCarthy M, Guidry B, Homsy C, Patel S, Chaffin A, St. Hilaire H, Dancisak R, Lindsey J. "Preoperative Evaluation of the Superficial Fascial System Can Predict Wound Complications in Body Contouring Surgery", *Southeastern Society of Plastic Surgeons Annual Meeting.* Naples, FL, June, 2019

McCarthy M, Guidry R, Straughan D, Schuster J, Dancisak M, Chaffin A, St. Hilaire H, Lindsey J. "Superficial Fascial System Strength Can Be Quantified with Portable Ultrasound and Mean Gray Value Calculation", *Plastic Surgery Research Council.* Baltimore, MD. May 2019

Freeman MD, Vemula R, Rao R, Matatov TS, Strong AL, Tandon R, Chaffin AE, Jansen DA. **Refinements in the Techniques of 2-Stage Breast Reconstruction.** *SESPRS Annual Meeting,* Sea Island, GA. June, 2017

Pashos N, Martin E, Chaffin A, Gimble J, Bunnell B. "A Biologically-Derived Nipple – Areolar Complex", *9th Symposium of Biological Derived Scaffolds.* Napa, CA. April, 2016

SCIENTIFIC PRESENTATIONS: POSTER

Chaffin A. "Flap Reconstruction of Pilonidal Sinus Using Extracellular Matrix Graft: A Pilot Case Series." *Symposium on Advanced Wound Care Meeting,* Virtual Meeting. May 2021

Chaffin A, Fabian R. **“Seamless Transitions: An Illustration of a Successful Team-Based Approach to Limb Salvage Care.”** *Symposium on Advanced Wound Care Meeting*, Virtual Meeting. May 2021

Chaffin A., Mulcahey M., Alabaster K., Homsy C., Ferrin P., Higgins M. **“Exercise After Breast Reconstruction Surgery: Evaluating Current Trends & Practices Of Plastic Surgeons In The United States.”** *Louisiana ACS Annual Meeting*, Virtual Meeting, New Orleans, LA. March 2021

Chaffin A., Carnabatu C. **“Surgical Reconstruction of Inflammatory Tissue Disorders: Pilonidal Disease and Hidradenitis Suppurativa.”** *Louisiana ACS Annual Meeting*, Virtual Meeting, New Orleans, LA. March 2021

Chaffin A, **“Pilonidal Cystectomy Using Extracellular Matrix Graft.”** *Symposium on Advanced Wound Care Fall Meeting*, (virtual meeting), November, 2020

Chaffin A, Buckley, MC. **“Surgical Management of Hurley Grade III Hidradenitis Using ECM Graft.”** *Symposium of Hidradenitis Suppurativa Advances*, Montreal, Quebec (rescheduled to virtual meeting), October, 2020

Chaffin A, May B. **“Clinical Evaluation of an Extracellular Matrix Graft for the Surgical Management of Hurley Grade III Hidradenitis Suppurativa.”** *Symposium on Advanced Wound Care Meeting*, (rescheduled virtual meeting), San Diego, CA. July, 2020

Chaffin A, May B. **“Clinical Evaluation of an Extracellular Matrix Graft for the Surgical Management of Hurley Grade III Hidradenitis Suppurativa.”** *Symposium on Advanced Wound Care Meeting*, Charlotte, NC. July, 2020

Chaffin A, May B. **“Clinical Evaluation of an Extracellular Matrix Graft for the Surgical Management of Hurley Grade III Hidradenitis Suppurativa.”** *Southeastern Society of Plastic and Reconstructive Surgeons Annual Meeting*, Kiawah Island, NC (rescheduled to virtual meeting), June, 2020

Chaffin A., Bohn,G, May, B. **“Clinical Evaluation of an Extracellular Matrix Surgical Mesh Reconstructive Surgery Over Exposed Bone or Tendon”**, *Symposium on Advanced Wound Care Fall 2019 Meeting*, Las Vegas, NV. October, 2019

Chaffin A, Aballay A, Bohn G, Desvigne M, May B. **“Multi-Centre Clinical Evaluation of a Cell Conductive Extracellular Matrix Surgical Mesh in Plastic and Reconstructive Surgery – A Case Series”**, *Southeastern Society of Plastic and Reconstructive Surgeons Annual Meeting*. Naples, FL. June, 2019

Eck D, Homsy C, Chaffin A, Babycos C. **“A Novel Breast Reduction Mammoplasty Technique for Gigantomastia Patients”**, *The Aesthetic Meeting*. New Orleans, LA. May, 2019

Patel SS, Homsy C, Atamian EK, Chaffin AE. **Thermal Imaging Facilitates Design of a Keystone Perforator Island Flap for a Myxofibrosarcoma Resection Reconstruction: Case Report.** *Tulane Health Sciences Research Day*. New Orleans, LA. March 2019

Chaffin A, Aballay A, Bohn G, Glat P, Desvigne M, May B. **“Multi-Centre Clinical Evaluation of a Cell Conductive Extracellular Matrix Surgical Mesh in Plastics and Reconstructive Surgery – A Case Series”**, *Boswick Wound and Burn Care Symposium*. Maui, HI. Feb 2019

Pashos N, Martin E, Chaffin A, Gimble J, Bunnell B. **“A Tissue Engineered Nipple – Areolar Complex”**, *American Society of Gene & Cell Therapy*. New Orleans, LA. May 2015

Pashos N, Martin E, Chaffin A, Gimble J, Bunnell B. **“A Tissue Engineered Nipple – Areolar Complex”**, *Engineering and Regenerative Medicine International Society, World Congress*. Boston, MA. Sept. 2015 (1.12)

Pashos N, Martin E, Chaffin A, Gimble J, Bunnell B. **“A Tissue Engineered Nipple – Areolar Complex”**, *Gulf Coast Intellectual Property Association; Infinity Science Center at Stennis*. Pearlinton, MS. Nov. 2015

RESEARCH PROJECTS

Exercise After Breast Reconstruction Surgery: Evaluating Current Trends & Practices of US Board Certified Plastic Surgeons.

American Society of Plastic Surgeons - Survey

Co-Investigators: Abigail Chaffin MD, Mary Mulcahey MD

Goals:

1. Evaluate current trends with early exercise/PT protocols for breast reconstruction patients and decreased recovery time and improved patient well-being
2. Assess complication profile with early exercise/PT
3. Develop a set of guidelines for exercise after breast reconstruction surgery

Graft versus prosthetic reconstruction following mastectomy for breast cancer.

NRD Healthcare Utilization Project 2010-2016 database

Retrospective Review

Eman Toraih, MD, PhD

Abigail Chaffin, MD

Goals:

1. Analyze surgical outcomes, complications and readmissions in breast cancer patients who have undergone graft or prosthetic breast reconstruction

Hidradenitis Suppurativa Multi-Institutional Retrospective Review

Dennis Orgill, MD, PhD (Harvard Medical School)

Abigail Chaffin, MD

Goals:

1. Evaluation of use of NPWT and HS
2. Classification of HS patients by disease severity (Hurley Stage)
3. Build predictive models of outcomes based on patient/disease profiles and operative characteristics

Extracellular Matrix Graft for Reconstruction Over Exposed Structures: A Retrospective Case Series.

Abigail Chaffin, MD

Barnaby May, PhD

Study: Clinical case series of usage of a novel extracellular matrix graft over exposed bone and tendon to achieve soft tissue coverage.

Submitted to Annals of Plastic Surgery 4/2020

Isolation and evaluation of adult human skin extracellular matrix and keratinocytes.

Principle investigator: Bruce Bunnell, PhD

Generation and In vivo Characterization of a novel acellular nipple-areolar complex allograft

Major Goal: To advance techniques for autologous and realistic nipple-areolar reconstruction after breast cancer surgery

Dr. Chaffin's role on study: Co- Investigator

Role of lipids in burn wound healing.

Overall Principal Investigator: Song Hong, Ph.D.

Title of grant proposal: Engineering Niches with Endogenous Reparative Lipid Mediators and Biomaterials to Guide Functions of Stem Cells

Major goal: to understand the mechanisms of injury repair and to develop better stem cell regenerative modalities to heal burn wounds

Dr. Chaffin's role on the grant: Co-investigator

Human Adipocyte Stem Cell Characterization/Diabetic Wound Repair using Human Adult Stem Cells.

We are studying the cellular and functional characteristics of adipocyte stem cells isolated from liposuction aspirates. These readily available cells may be a rich source of growth regulatory molecules which accelerate tissue regeneration.

Multiple active grants

NIH grant being submitted 6/2020

Principal Investigator: Reza Izadpanah, PhD

Co-Investigator: Abigail Chaffin, MD

A Phase 4, Double-Blind, Randomized, Placebo-Controlled Multicenter Study to Assess the Safety & Efficacy of Adalimumab Used in Conjunction with Surgery in Subjects with Moderate to Severe Hidradenitis Suppurativa Study #: M15-574(IRBManager #2017-167)

We are studying the effects of Adalimumab on patients with hidradenitis suppurativa, in patients who also require surgical resection of their disease. We are looking for changes in disease severity with Adalimumab administration and on safety of surgical resection while on Adalimumab.

Principal Investigator: Erin Boh, MD

Co-Investigator: Abigail Chaffin, MD