# Curriculum Vitae

Joshua S. Carson, MD, FACS

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# Academic/Clinical Appointments

**Loyola Burn Center** 2021 - Current

Burn Medical Director Maywood, IL

Burn Surgeon

**Illinois State Burn Coordinating Center**  2021 - Current

Chief Medical Officer Maywood, IL

**Loyola University Medical Center** 2021 - Current

Attending Surgeon - Burns, Trauma, Acute Care Surgery Maywood, IL

& Surgical Critical Care

Section Chief, Burn Surgery

**Loyola University Chicago Stritch School of Medicine** 2021 - Current

Associate Professor of Surgery Maywood, IL

Department of Surgery

**UF Health Shands Burn Center** 2017 - 2021

Associate Director Gainesville, FL

Burn Surgeon

**University of Florida Shands Health System** 2016 - 2021
Attending Surgeon - Burns, Trauma, Acute Care Surgery Gainesville, FL

& Surgical Critical Care

**University of Florida College of Medicine** 2016 - 2021

Assistant Professor of Surgery Gainesville, FL

Division of Acute Care Surgery

# Post-Graduate Education

**Shriners Hospital for Children & University of Texas Medical Branch** 2014 - 2016

Fellowship in Acute Burn Surgery, Burn Reconstruction, Galveston, TX

 & Surgical Critical Care

**University of California Los Angeles** 2011 - 2014

General Surgery Residency Los Angeles, CA

**Memorial Sloan Kettering Cancer Center, Yuman Fong Laboratory** 2009 - 2011

Fellowship in Surgical Research New York, NY

**New-York Presbyterian Hospital, Cornell Campus** 2007 - 2009

General Surgery Residency, Clinical Years 1-2 New York, NY

# Undergraduate & Graduate Education

**Cornell Weill Medical College** 2002 - 2007

Medical Doctor (Including elective year of research in Bostrom Laboratory) New York, NY

**Harvard College** 1998 - 2002

Bachelor of Arts (AB) Cambridge, MA

Cum Laude: English and American Literature and Language

# Licenses/Certifications

#### **State Medical Licenses**

Illinois Active

New York (255914) 2009-2011 (not renewed)

California (A116793) 2011-2019 (not renewed)

Florida (ME 128369) 2015-2022 (not renewed)

#### **Board Certifications**

General Surgery (060335) Issued: 2015

Surgical Critical Care (003812) Issued: 2016

# Languages Spoken

English - native language

Spanish - fluent

# Memberships

* American Burn Association
* American College of Surgeons
* Florida Chapter of the American College of Surgeons
* American Medical Association
* Eastern Association for the Surgery of Trauma
* Florida Committee on Trauma
* International Society for Burn Injuries
* The Longmire Surgical Society

# Local/Hospital Committees & Leadership

**Loyola University Medical Center Burn Center QI Committee** 2021 - current

 Committee Chair

**Loyola University Medical Center Emergency Medicine Steering Committee** 2021 - current

 Committee Member

**Loyola University Medical Center Department of Surgery QI Committee** 2021 – current

 Committee Member

**UF Health Shands OR Quality & Safety Committee** 2020 - 2021

 Pre-op Anemia Sub-committee

 Perioperative Nutrition Sub-committee

**UF Department of Surgery Research Advisory Committee** 2018 - 2021

 Committee Member

**UF Shands Hospital Pharmacy and Therapeutics Committee** 2018 - 2021

 Committee Member

**UF Shands Transfusion Committee** 2016 - 2021

 Committee Member

 Chairperson, Massive Transfusion Sub-committee

 Member, Blood Utilization Sub-committee

**UF Shands Burn Center Quality Improvement Committee** 2016 - 2021
 Committee Member

# Regional/National/International Committee Membership & Leadership

**Eastern Association for the Surgery of Trauma Burn Surgery Committee** 2019 - Current

 Founding and Current Chairperson

 \*Initiated as task force in 2019. Designated permanent committee in 2020

**American Burn Assoc. Committee on Organization/Delivery of Burn Care** 2017 - Current

 Committee member

**American Burn Association Practice Guidelines Committee** 2020 - Current

 Committee member

**American Burn Association Membership Advisory Committee** 2019 - 2022

 Committee member

**American College of Surgeons Health Information Technology Committee** 2019 - 2021

 Committee member

# Editorial Positions

**Journal of Burn Care and Research**

 Digital Media Editor 2018 - Current

 Editorial Advisory Board Member 2018 - Current

**Ad Hoc Reviewer Work**

 Public Library of Science One (PLOS ONE), Burns; American College of Surgeons Scientific Forum, Journal of Surgical Research, Burns Open

# Grant Reviewer Experience

**2022 United States Army Medical Research and Development Command Broad Agency Announcement for Extramural Research, Congressionally Directed Military Research Program**

 Scientist Reviewer, Combat Casualty Care Panel

**2021 Military Burn Research Program, Congressionally Directed Military Research Program**

 Scientist Reviewer, Clinical Translational Research Panel

**2021 Joint Warfighter Medical Research Program, United States Army Medical Research and Development Command**

 Scientist Reviewer, Combat Casualty Care Panel

**2020 Combat Readiness-Medical Research Program, United States Army Medical Research and Materiel Command**

 Scientist Reviewer, Wound Injury Panel

**2020 Military Burn Research Program, United States Army Medical Research and Materiel Command**

 Scientist Reviewer, Clinical Translational Research Panel

**2019 Peer Reviewed Medical Research Program, United States Army Medical Research and Materiel Command**

 Scientist Reviewer, Tissue Regeneration Panel

# Publications

1. Carson JS, Carter JE, Hickerson WL, et al. Analysis of real-world length of stay data and costs associated with use of autologous skin cell suspension for the treatment of small burns in U.S. centers. Burns, 2023; May;49(3):607-614
2. Carter JE, Carson JS, Hickerson WL, Rae L, Saquib SF, Wibbenmeyer LA, Becker RV, Walsh TP, Sparks JA. Length of Stay and Costs with Autologous Skin Cell Suspension Versus Split-Splickness Skin Grafts: Burn Care Data from US Centers. Adv in Therapy, 2022; 39(11):5191-52002.
3. 2021 American Burn Association State and Future of Burn Science Working Group. Proceedings of the 2021 American Burn Association State and Future of Burn Science Meeting. Journal of Burn Care and Research, 2022; 43(6):1241-1259.
4. Alshaer M, Mazirka P, Burch G, Peloquin C, and Carson J. Experience with Implementing a Beta-lactam Therapeutic Drug Monitoring Service in a Burn Intensive Care Unit: A retrospective chart review. Journal of Burn Care and Research, 2023; 44(1):121-128.
5. Cartotto R, Johnson L, Rood JM, Lorello D, Matherly A, Parry I, Romanowski K, Wiechman S, Bettencourt A, Carson JS, Lam HT, Nedelec B. Clinical Practice Guideline: Early Mobilization and Rehabilitation of Critically Ill Burn Patients. Journal of Burn Care and Research, 2023; 44(1):1-15.
6. Navarro E, Mazirka P, Thigpin T, Carson J. The use of Lactic-Acid-Based Copolymer as a dressing on split thickness skin grafts in partial and full thickness burns. Burns Open, 2022; 4(2):65-96.
7. Gibson, LF; Holmes IV, JH; Shupp, JW; Smith, D; Joe, V; Carson, JS; Litt, J; Kahn, S; Short, T; Cancio, L; Rizzo, J; Carter, JE; Foster, K; Lokuta, MA; Comer, AR; Smiell, JM; Allen-Hoffmann, LA. Phase 3, Open-Label, Controlled, Randomized, Multicenter Trial Evaluating the Efficacy and Safety of StrataGraft® Skin Tissue in Patients With Deep Partial-Thickness Thermal Burns. Burns, 2021; 47(5): 1024-1037.
8. Haller HL, Blome-Eberwein SE, Branski LK, Carson JS, Crombie RE, Hickerson WL, Kamolz LP, King BT, Nischwitz SP, Popp D, Shupp JW, Wolf SE. Porcine Xenograft and Epidermal Fully Synthetic Kin Substitutes in the Treatment of Partial-Thickness Burns: A Literature Review. Medicina, 2021; 57(5): 432.
9. Segal N, Polcz V, Mckean J, Kariyawasam V, Carson JS, Fahy B. Pseudomonal Meningoencephalitis with Ventriculitis Secondary to Bacteremia in a Burn Patient: A Novel Case. Journal of Burn Care and Research, 2021; 42(4):832-835.
10. Evans H, Yeo HL, Zhao J, Raftopoulos I, Carson J, Wang Jiping, Watson A. Adopting Telemedicine in Surgical Care: What you need to know. Bulletin of American College of Surgeons, 2021; 106:4.
11. Herndon DN, Ross E, Finnerty C, Blears EE, Carson JS, Sommerhalder C. Metabolism in Surgical Patients. In Sabiston’s Textbook of Surgery: The Biological Basis of Modern Surgical Treatment, 20th edition, ed Townsend CM, and RD Beauchamp, BM Evers, and KL Mattox. Elsevier, 2021 (Philadelphia).
12. Romanowski KS, Carson J, Pape K, Bernal E, Sharar S, Wiechman S, Carter D, Liu YM, Nitzschke S, Bhalla P, Litt J, Przkora R, Friedman B, Popiak S, Jeng J, Ryan CM, Joe V. American Burn Association Guidelines on the Management of Acute Pain in the Adult Burn Patient. J Burn Care Res, 2020; 41(6):1129-1151.
13. Romanowski KS, Carson J, Pape K, Bernal E, Sharar S, Wiechman S, Carter D, Liu YM, Nitzschke S, Bhalla P, Litt J, Przkora R, Friedman B, Popiak S, Jeng J, Ryan CM, Joe V. American Burn Association Guidelines on the Management of Acute Pain in the Adult Burn Patient: A Review of the Literature, a Compilation of Expert Opinion and Next Steps. J Burn Care Res, 2020; 41(6):1152-1172.
14. STARRT-AKI Investigators, Canadian Critical Care Trials Group, United Kingdom Critical Care Research Group, Australian and New Zealand Intensive Care Society, Canadian Nephrology Trials Network, Irish Critical Care Trials Group, Wald R, Adhikari NKJ, Bellomo R, da Costa BR, Dreyfuss D, Du B, Gallagher MP, Gaudry S, Hoste EA, Lamontagne F, Joannidi M, Landoni G, Liu KD, McAuley DF, McGuinness SP, Neyra JA, Nichol AD, Ostermann M, Palevsky PM, Pettilä V, Quenot JP, Qiu H, Rochwerg B, Schneider AG, Smith OM, Thomé F, Thorpe KE, Vaara S, Weir M, Wang AY, Young P and Zarbock A. Timing of Initiation of Renal-Replacement Therapy in Acute Kidney Injury. *New England Journal of Medicine, 2020;* 383(3): 240-251.
15. Elder CT, Thigpin T, Karlnoski R, Smith D, Mozingo D, Carson J. Results of a Multi-Center Feasibility Study of an Automated Bedside Glucose Monitoring System in the Burn Intensive Care Setting. J Burn Care Res, 2020; 41(3):535-538.
16. Carson JS, Williams R, Ryan CM, Hickerson W, Jeng J. Burn Triage and Treatment of Thermal Injuries in a Radiation Emergency. US Dep of HHS Radiation Emergency Medical Management. Judith Bader, Editor. 2020. https://www.remm.nlm.gov/burns.htm
17. Maxwell CW, Carson, JS, Kaufmann MR, Fahy BG. Management of exposed pacemaker caused by burns. Romanian Journal of Anaesthesia and Intensive Care, 2019; 26(1):79-82.
18. Carson JS and Meyer WJ. Ted Tsung-Che Huang: Memoriam. J Burn Care Res, 2019; 39(2):312.
19. Cambioo-Daniel J, Rivas E, Carson JS, Hundershagen G, Lopez ON, Glover SQ, Herndon DN, Suman OE. Cardiorespiratory capacity and strength remain attenuated in children with severe burn injuries at over 3 years postburn. The Journal of Pediatrics, 2018; 192:152-158.
20. Carson JS, Khozrozadeh H, Norburry W, Herndon DN. Nutritional Support of the Burn Patient. In Total Burn Care, 5th edition, ed David Herndon. Elsevier, 2017.
21. Carson JS, Goverman J, Fagan S. Acute Kidney Injury in Association with Thermal Injury. In Total Burn Care, 5th edition, ed David Herndon. Elsevier, 2017.
22. Fagan SP, Carson J, Jimenez C, Chai J, Spies M, Holyoak M, Muller MJ, Goodwin CW, Herndon DN. Exfoliating Diseases of the Integument and Necrotizing Soft Tissue Infection. In Total Burn Care, 5th edition, ed David Herndon. Elsevier, 2017.
23. Ady J, Thayantihy V, Mojica K, Wong P, Carson J, Rao P, Fong Y, Lou E. Tunneling nanotubes: an alternate route for propagation of the bystander effect following oncolytic viral infection. Mol Ther Oncolytics 2016; 3:16029.
24. Warner S, Haddad D, Au J, Carson J, O’Leary M, Lewis C, Monette S, Fong Y. Oncolytic Herpes Simplex Virus Kills Stem-like Tumor Initiating Colon Cancer Cells. Mol Ther Oncolytics 2016; 3:16013.
25. Carson J, Al-Mousawi A, Finnerty C, Herndon DN. Metabolism and Surgical Nutrition. In Sabiston’s Textbook of Surgery: The Biological Basis of Modern Surgical Treatment, 20th edition, ed Townsend CM, and RD Beauchamp, BM Evers, and KL Mattox. Elsevier, 2016 (Philadelphia).
26. Gholami S, Chen CH, Gao S, Lou E, Fujisawa S, Carson J, Nnoli JE, Chou TC, Bromberg J, Fong Y. Role of MAPK in oncolytic herpes viral therapy in triple-negative breast cancer. Cancer Gene Ther 2014; 21(7): 283-9.
27. Jun KH, Gholami S, Song TJ, Au J, Haddad D, Carson J, Chen C, Mojica H, Zanzonico K, Chen P, Zhang NG, Szalay Q, Fong Y. A novel oncolytic viral therapy and imaging technique for gastric cancer using a genetically engineered vaccinia virus carrying the human sodium iodide symporter. J Exp Clin Cancer Res 2014; 33:2.
28. Au JT, Mittra A, Song TJ, Cavnar M, Jun K, Carson J, Gholami S, Haddad D, Gaujoux S, Monette S, Ezell P, Wolchok J, Fong Y. Irreversible electroporation facilitates gene transfer of a GM-CSF plasmid with a local and systemic response. Surgery 2013; 154(3):496-503.
29. Haddad D, Chen CH, Carlin S, Silberhumer G, Chen NG, Zhang Q, Longo V, Carpenter SG, Mittra A, Carson, Au J, Gonen M, Zanzonico PB, Szalay AA, Fong Y. Imaging characteristics, tissue distribution, and spread of a novel oncolytic vaccinia virus carrying the human sodium iodide symporter. PLoS One 2012; 7(8):e41647.
30. Au JT, Carson J, Monette S, Finley DJ. Spray cryotherapy is effective for bronchoscopic, endoscopic, and open ablation of thoracic tissues. Interact Cardiovasc Thorac Surg 2012; 15(4):580-4.
31. Au JT, Mittra A, Wong J, Carpenter S, Carson J, Haddad D, Monette S, Ezell P, Patel S, Fong Y. Flexible CO2 laser and submucosal gel injection for safe endoluminal resection in the intestines. Surg Endosc 2012; 26(1): 47-52.
32. Au JT, Wong J, Mittra A, Carpenter S, Haddad D, Carson J, Jayaraman S, Monette S, Solomon SB, Ezell P, Fong Y. Irreversible electroporation is a surgical ablation technique that enhances gene transfer. Surgery 2011; 150(3):474-9.
33. Haddad D, Chen NG, Zhang Q, Chen CH, Yu YA, Gonzalez L, Carpenter SG, Carson J, Au J, Mittra A, Gonen M, Zanzonico PB, Fong Y, Szalay AA. Insertion of the human sodium iodide symporter to facilitate deep tissue imaging does not alter oncolytic or replication capability of a novel vaccinia virus. J Transl Med 2011; 31(9):36.
34. Carson J, Finley DJ. Lung cancer staging: an overview of the new staging system, and implications for radiographic clinical staging. Seminars in Radiology 2011; 46(3): 187-93.
35. Carpenter SG, Carson J, Fong Y. Regional liver therapy using oncolytic virus to target hepatic colorectal metastases. Semin Oncol 2010; 37(2): 160-9.
36. Carson J, Haddad D, Bressman M, Fong, Y. Oncolytic herpes simplex virus 1 (HSV-1) vectors: increasing treatment efficacy and range through strategic virus design. Drugs of the Future 2010; 35(3): 183-195.
37. Haddad D, Chen NG, Zhang Q, Chen CH, Yu YA, Gonzalez L, Carpenter SG, Carson J, Au J, Mittra A, Gonen M, Zanzonico PB, Fong Y, Szalay AA. Insertion of the human sodium iodide symporter to facilitate deep tissue imaging does not alter oncolytic or replication capability of a novel vaccinia virus. J Transl Med 2011; 9:36.
38. Gardner J, van der Meulen M, Carson J, Zelken J, Ricciardi B, Wright T, Lane J, Bostrom M. The role of parathyroid hormone in the mechanosensitivity of fracture healing. J Orthop Res 2007; 25(11): 1474-80.
39. Carson J, Bostrom MPG. Synthetic bone scaffolds and fracture repair. Injury 2007; 38(Sup1): S33-7.
40. Carson J, Bostrom MPG. HIV associated osteoporosis. Curr Opin Orthop 2006 Oct; 17(5): 456-461.
41. Cellini C, Huston TL, Martins D, Christos P, Carson J, Kemper S, Simmons RM. Multiple re-excisions versus mastectomy in patients with persistent residual disease following breast conservation surgery. Am J Surg 2005 Jun; 189(6): 662-6.
42. Trocciola SM, Hoda S, Osborne MP, Christos PJ, Levin H, Martins D, Carson J, Daly J, Simmons RM. Do bone marrow micrometastases correlate with sentinel lymph node metastases in breast cancer patients? J Am Coll Surg 2005 May; 200(5): 720-5.
43. Cellini C, Hollenbeck ST, Christos P, Martins D, Carson J, Kemper S, Lavigne E, Chan E, Simmons R. Factors associated with residual breast cancer after re-excision for close or positive margins. Ann Surg Oncol. 2004 Oct; 11(10): 915-20.

# Invited Lectures & Courses

***International***

1. Faculty - “The Science of Wound Preparation” at the American Burn Association 55th Annual Meeting. Grapevine, Tx May 15, 2023.
2. Faculty - “The Science of Wound Closure” at the American Burn Association 55th Annual Meeting. Grapevine, Tx May 16, 2023.
3. Carson J, Romanowski K, Weichman. Understanding the ABA Guidelines for Management of Acute Pain. American Burn Association 53rd Annual Meeting. April 9, 2021—Virtual.
4. Romanowski KS, Carson J, Pape K, Wiechman S, Liu YM, Bahalla P. Discussion of New ABA Pain guidelines. American Burn Association Webinar. Sept 9, 2020.Invited presenter-- Georgetown University MedStar Health, Critical Care Series. National Burn Case Review. Aug 28, 2020.
5. Course Director—“Phoning It In: Telemedicine in Burn Care.” 51st Annual Conference of American Burn Association. Las Vegas, NV. April 3, 2019.

***National***

* + - 1. Invited Lecture -- Castanon, L., Jain, A., Carson, J. Teamwork: Essential Component of Leadership as a Burn Surgeon, Burn Surgeon Forum. Chicago, IL Oct. 4, 2022.
			2. Invited Lecture -- Georgetown University MedStar Health, Critical Care Series. National Burn Case Review. Aug 28th, 2020.

***Local***

1. Invited Lecture- Burn Surgery for the Occupational and Physical Therapist, at Foundations of Burn Rehabilitation: A Multidisciplinary Approach. Stritch Medical College at Loyola University Chicago; March 25th, 2023.
2. From the Ashes - Burn Care from Field to Recovery. In the Midst of Chaos - 2022 : Illinois Region VII All Hazards Emergency Preparedness Committee. Tinley Park Convention Center, September 23, 2022.
3. Invited Lecture -- “Regenerative Medicine in Burn Care.” Introduction to Regenerative Medicine IDH3931, Class Number 14629. University of Florida, Undergraduate Honors Program. January 30, 2020.
4. Invited Lecture -- “Out of the Fire: Burn Care from Field Care to Long Term Follow Up.” Halifax Health Medical Center Trauma Talks Symposium. Daytona, Florida. September 13, 2019.
	* + 1. Invited Lecture -- “Massive Transfusions.” UF Department of Emergency Medicine Critical Care Medicine Series. UF Department of Emergency Medicine. May 9th, 2019.

* + - 1. Invited Lecture -- Burn Surgery for Medical Coders. North Florida Regional Local AAPC Medical Coding Chapter. January 8, 2019.
			2. Invited Lecture -- "Renal Injury and Fluid Management in Burns." University of Florida Nephrology Grand rounds. September 14, 2018.
			3. Invited Lecture --The University of Florida Department of Surgery Grand Rounds. “From the Ashes: Pediatric burn care from injury to adulthood.” Gainesville, FL. May 7, 2017.
			4. Invited Lecture -- University of Florida Multidisciplinary Critical Care Grand Rounds. “Extremity Compartment Syndrome.” Gainesville, FL. Jan 12, 2017.
			5. Invited Lecture -- University of Florida Multidisciplinary Critical Care Grand Rounds. “Burn Critical Care.” Gainesville, FL. Oct 27, 2016.

# Refereed Presentations

1. Carson, J., Gibson, A. L. F., Holmes IV, J., Shupp, J., Smith, D., Joe V., Litt, J., Kahn, S., Cancio, L., Rizzo, J., Carter, J., Foster, K. Reduction of Donor-Site Complications and Sequelae with the Use of the Bioengineered Allogeniac Cellularized Construct in Patients with Deep Partial-Thickness Burns. 2022 Midwest Region Burn Conference. Kansas City, MO Oct. 19, 2022
2. Galicia K, DiChiaro B, Anstadt M, Patel P, Portalatin M, Ton-That H, Gonzalez R, Carson J, Kubasiak J. Dermal Matrix versus Autologous Grafting for Full-Thickness Burns of Head and Neck: Trends, Outcomes, Cost. 54th Annual American Burn Association Conference. April 6, 2022
3. Carter J, Carson J, Rae L, Saquib S, Wibbenmeyer L, Hickerson W. ASCS Treatment Impact on Length of Stay Data and Costs for Patients with Small Burns. 54th Annual American Burn Association Conference. April 7, 2022
4. Carson J, Gibson ALF, Homes JH, Shupp JW, Smith D, Joe V, Litt J, Kahn S, Short T, Cancio L, Rizzo J, Carter JE, Foster K, Allen-Hoffman BL. A Phase 2 Open Label, Controlled, Randomized Trial Evaluating the Efficacy and Safety of a Bioengineered Allogeneic Cellularized Construct in Patients with Deep Partial-thickness Thermal Burns. 34th Annual Southern Region Burn Conference. November 5, 2021.
5. Carson J, Hickerson W, Carter JE, Walsh T, Becker R, Sparks J. A Cost-Effectiveness of Real-World Data from Autologous Cell Harvesting Device Use Compared to Standard of Care in the Treatment of Burns Requiring Inpatient Hospitalization. 34th Annual Southern Region Burn Conference. November 5, 2021.
6. Shoham Y, Hickerson W, Goverman J, Blome-Eberwein S, Singer A, Wibbenmeyer L, Meyer N, Carson J, Gallagher J, Kahn S, Bhavsar D, Mozingo D, Pham T, Gibran N, Shupp J, Foster K, Lewis G, Caffrey J. One year follow up results of the Detect enzymatic debridement multicenter RCT. Presentation at the 53rd Annual Meeting--Virtual. April 7, 2021
7. Holmes IV JH, Shupp JW, Smith D, Joe V, Carson J, Litt J, Kahn S, Short T, Cancio L, Rizzo J, Carter J, Foster K, Smiell J, Gibson ALF. A phase 3 open-label, controlled, randomized trial evaluating the efficacy and safety of a bioengineered regenerative skin construct in patients with deep partial-thickness thermal burns. Presentation at the 53rd Annual Meeting--Virtual. April 7, 2021.
8. Carter JE, Kickerson WL, Carson JS, Kowal S. Cost-Effectiveness of Autologous Harvesting Device for the Treatment of Burns Requiring Hospitalization: An economic evaluation using real-world data. Presentation at the 53rd Annual Meeting--Virtual. April 7, 2021.
9. Mazirka P, Navarro, E, Thigpin T, Carson JS. Single Surgeon Experience Using a Polyactide-based Copolymer Dressing to Over and Secure Split Thickness Skin Grafts in Burn Patients.  Poster Presentation at the 53rd Annual Meeting--Virtual. April 7, 2021.
10. Holmes IV JH, Shupp JW, Smith D, Joe V, Carson J, Litt J, Kahn S, Short T, Cancio L, Rizzo J, Carter J, Foster K, Smiell J, Gibson ALF. Preliminary Analysis of Phase 3 Open-Label, Controlled, Randomized Trial Evaluating the Efficacy and Safety of a Bioengineered Regenerative Skin Construct in Patients with Deep Partial-Thickness Thermal Burns. 2020 Wound Healing Society Annual Meeting—Virtual. May 13-17, 2020.
11. Zirulnik A, Neal D, Carson JS. The Calm After the Storm: Burn Injuries in the Wake of Major Weather Events. Poster Presentation at the 52nd Annual Meeting (virtual). March 2020.
12. Barrios EL, Thigpin T, Gibson D, Carson JS. A Pilot Study of a Point-of-Care Wound Bed Assay to Predict Graft Take. Poster Presentation at the 52nd Annual Meeting (virtual). April 2020.
13. Navarro E, Thigpin T, Carson JS. Retrospective review of single center experience utilizing a lactic-acid-based copolymer for reinforcement of split-thickness skin grafts. Podium presentation at the Southern Regional Burn Conference. San Antonio, Texas. Dec 7, 2019.
14. Burch G, Carson J, Cherabuddi K, Peloquin and Klinker P. Therapeutic drug monitoring (TDM) revealed alarming rate of subtherapeutic drug concentration in burn patients treated with beta-lactam (BL) antimicrobials. American Burn Association 51st Annual Meeting. Las Vegas, Nevada. April 5, 2019.
15. Freeman,WJ, Nichols AA, Thigpin T, Yang, K, Qiu P, Mozingo DM, Carson JS. Discharge opioid prescriptions in acute burn care: quantity of opioids prescribed and pain reported on outpatient follow up. Podium presentation at the Southern Regional Burn Conference. Mobile, Alabama. Nov 10, 2018.
16. Carson JS, Mallek J, Mozingo DW, Thigpin T, Gallagher TJ, Fahy B. A randomized controlled trial of topical lidocaine application to epidermal autograft donor sites in acute burn patients. Podium presentation at the Southern Regional Burn Conference. Mobile, Alabama. Nov 9, 2018.
17. Elder C, Thigpin T, Karlnoski R, Smith D, Mozingo D, Carson JS. A multicenter feasibility study of an automated bedside glucose monitoring system in the burn intensive care setting. Podium presentation at the Southern Region Burn Conference. Miami, Florida. Nov 3, 2017.
18. Alava AN, Thigpin T, Popp J, Roberson L, Allen A, Mozingo DW, Carson JS. Patient factors and outpatient pain control in patients discharge from a regional burn center with minor-to-medium-sized burns. Oral presentation at the Southern Region Burn Conference. Miami, Florida. Nov 5, 2017.
19. Capek, KD; Trocme, S; Marsh, DS; Stout SC; Merkley, KH; Andersen, CR; Huang, TT; Voigt, CD; Carson JS; Herndon, DN. Total Ocular Surface Coverage with Amniotic-Membrane Transplantation in Acute Toxic Epidermal Necrolysis: A retrospective Comparison with Topical Treatment. Poster presented at SJS/TEN 2017: Building Multidisciplinary Networks to Drive Science & Translation; 2017 Mar 2; Orlando, FL.
20. Capek, KD; Voigt, CD; Carson, JS; Nunez-Lopez, OA; Crites, N; Reeves, PT; Trocme, SD; Finnerty, CC; Herndon, DN; Lee, JO. A 30-Year Burn Unit Experience with Adult and Pediatric Toxic Epidermal Necrolysis. Poster presented at SJS/TEN 2017: Building Multidisciplinary Networks to Drive Science & Translation; 2017 Mar 2; Orlando, FL.
21. Carson J, Herndon D, Huang T. Treatment of Open or Ulcerated Burn Scars on the Extensor Surfaces of the Elbows and Knees. Poster presentation at the American Burn Association 48th Annual Meeting. Las Vegas, May 4, 2016.
22. Carson J, Huang T. Encopresis in Pediatric Patients with Perineal and Perianal Burn Contracture. Presented at Southern Region Burn Conference. Dallas, November 22, 2015.
23. Carson J, Crites N, Grogans RA, Capek KD, Finnerty C, Lee JO, Herndon DN. Toxic epidermal necrolysis: A 30 Year institutional experience. Poster presentation at the American Burn Association 47th Annual Meeting. Chicago, April 23, 2015.
24. Carson J, Jeschke MG, Mlcak R, Herndon DN, Suman O. Structural and functional changes in pediatric burn victims two years after injury. Oral presentation at the American Burn Association 47th Annual Meeting. Chicago, April 23, 2015.
25. Carson J, Haddad J, Gholami S, Chen N, Zhang Q, Seung TJ, Jun K, Au J, Szalay AA, Rusch VW, Fong Y. hNIS Expressing Oncolytic Virus GLV-1h153 is a Promising Agent for the Imaging and Treatment of Non-Small Cell Lung Cancer. Presented at the 37th Annual Meeting of the Western Thoracic Surgery Association; June 2011.
26. Carson J, Carpenter SG, Marano D, Rusch VW, Fong Y. Lung cancer tumor-initiating cells overexpress GADD34 and are sensitive to viral oncolysis. Presented at the American Association for Thoracic Surgery 91st annual meeting; April, 2011.
27. Yang, X, Carson J,. van der Meulen M, Gollwitzer H, Osusky K, Lynch M, Hernandez-Soria A, Ricciardi B, Bostrom M. Blockade of beta-adrenergic signaling does not influence fracture healing in a mouse model. Presented at the 54th Annual Meeting of the Orthopaedic Research Society March 2008, San Francisco; Short Talk and Poster.
28. Gardner MJ, Carson J, Ricciardi B, Zelken J, Lane JM, van der Meulen MCH, Bostrom MP. The role of parathyroid hormone in the mechanosensitivity of fracture healing. 53rd Annual Meeting of the Orthopaedic Research Society 2007 Feb, San Diego; Short Talk and Poster #360.

# Panel Moderator/Judge

1. American Burn Association Annual Meeting, Correlative IX: Clinical Sciences: Critical Care / Pain and Pruritis. Grapevine, TX. May 18, 2023.
2. American Burn Association Annual Meeting, Critical Care Correlative Session, C-351. Las Vegas, NV. April 8, 2022. Moderator.
3. American Burn Association Annual Meeting, Poster Session R-221. Las Vegas, NV. April 7, 2022. Moderator.
4. American Burn Association Annual Meeting- Sponsored Supplemental Symposium, Optimizing Pain Management in Burn Care. April 4, 2022. Panelist.
5. Southern Region Burn Conference, Podium Presentation Session. November 6, 2021. New Orleans, LA. Session moderator.
6. American Burn Association State and Future of Burn Science, Wound Coverage Section. November 2, 2021. New Orleans, LA. Moderator
7. American College of Surgeons Clinical Congress Scientific Forum, Session 225 - Trauma/Burn/Critical Care VIII. Virtual meeting. October 4, 2020. Moderator.
8. University of Florida Medical Student Research Day Poster Competition. February 26, 2020. Faculty Judge.
9. Southern Region Burn Conference, December 6, 2019. San Antonio, Texas. Poster rounds moderator.
10. American College of Surgeons Clinical Congress Scientific Forum, Session 325 - Trauma/Burn/Critical Care VIII. San Francisco, CA. October 30, 2019. Moderator
11. Southern Regional Burn Meeting. November, 2018. Mobile Alabama. Poster session moderator, oral presentation judge.
12. American College of Surgery, Forum session 203—Trauma II. October 23, 2018. Boston, Massachusetts. Co-moderator.
13. American Burn Association National Meeting, April, 2018. Chicago, Illinois. November, 2017. Poster session moderator.
14. Southern Regional Burn Meeting. October, 2017. Miami, Florida. Poster session moderator.
15. American Burn Association National Meeting, April, 2017. Boston, Massachusetts. Poster session moderator.
16. University of Florida College of Medicine Medical Student Research Program Poster Competition. February 28, 2017. Faculty Judge.

American Board of Surgery -- Question writer for Surgical Critical Care Maintenance of Certification Exam. (3/14/2019) (Susan Evans)

# Research Protocols & Funding

1. A Multicenter, Open-label, study of StrataGraft Skin Tissue in Adult Subjects with Deep Partial Thickness Thermal Burns

Principal Investigator

February 2020- Ongoing. Industry Sponsored ($8,315.00 to date)

1. A Phase III Open-Label, Controlled, Randomized, Multicenter Study Evaluating the Efficacy and Safety of Stratagraft Skin Tissue in Promoting Autologous Skin Tissue Regeneration of Complex Skin Defects Due to Thermal Burns that Contain Intact Dermal and for Which Excision and Autografts are Clinical Indicated

Site Principal Investigator, Multi-Institutional Study

April 2018-Ongoing. Industry and Federally Funded. ($100,308 to date)

1. Study to Assess Nursing Satisfaction and Dysglycemia in Burn ICU Patients (“SANDY”)

Principal Investigator, Single Site Study

March 2019-Ongoing. Industry sponsored. ($14,355 to date)

1. Use of NexoBrid for Treatment of Acute Deep Partial and Full Thickness Burn Injuries (“NEXT”)

Site Principal Investigator, Multi-Institutional Study

October 2019- Ongoing. Industry Sponsored. ($56,580 to date)

1. Incidence of Burn Injuries in the Wake of Major Weather Events

Principal Investigator, Single Site Study

August 2018 – Ongoing. Internally Funded.

1. Evaluating a Point-of-Care, Quantitative Matrix Metalloproteinase Assay as a Predictor of Successful Graft Take in Patients Undergoing Cutaneous Autografting for Acute Burn Injury

Principal Investigator, Single Site Study

April 2017 – Ongoing. Internal Funding

1. Retrospective Review of Single Center Experience Utilizing a Lactic-acid-based Copolymer for Reinforcement of Split-Thickness Skin Grafts

Principal Investigator

May 2019-Ongoing. Internal funding.

1. Identifying Factors that Influence Burn Patients Perception of Current Patterns and Pain Control

Principal Investigator, Single Site Study

February 2018 – Ongoing. Internal Funding

1. Epicel (cultured Epidermal Autografts) Humanitarian Device Project.

Principal Investigator (Assumed PI Responsibilities March 2017)

April 2010 - Ongoing, Humanitarian Device Project-Unfunded

1. A Retrospective Single Center Characterizing the Incidence of Herpes Simplex Virus Infection As Well As Outcomes in Patients Post Herpes Simplex Viral Infection

Sub-Investigator, starting 2016 (Principal Investigator David W. Mozingo, MD)

June 2010-April 2020, Internal Funding

1. Retrospective: Review of Sepsis Management System in a Burn Center

Sub-Investigator, starting 2016 (Principal Investigator David W. Mozingo, MD)

March 2014-Ongoing. Internal Funding

1. Protective Effects of Propranolol in Adults Following Major Burn Injury: A Safety and Efficacy Trial

Sub-Investigator, starting 2016 (Principal Investigator David W. Mozingo, MD)

January 2014-Present. Federally Funded

1. Lidocaine in the Treatment of Post-Operative Pain Management from a Donor Site After Split-Thickness Skin Graft Harvesting Following Thermal Injury

Sub-Investigator, starting Jan 2016. (Principal Investigator Brenda Fahey, MD)

December 2013- Ongoing (Internal funding)

1. A Randomized Trial of Enteral Glutamine to Minimize Thermal Injury

Sub-Investigator. (PI David W. Mozingo, MD)

May 2016 - Ongoing. Federally Funded

1. Evaluation of Protein Calories and Outcome Measures in Patients with Burn Injury

Sub-Investigator. (Principal Investigator Amir Kamel, Pharm D)

December 2016-Ongoing. Internal funding

1. A Multicenter, Multinational, Randomized, Controlled, Assessor Blinded Study, Performed in Subjects with Thermal Burns, to Evaluate the Efficacy and Safety of NexoBrid Compared to Gel Vehicle and Compared to Standard of Care

Sub-Investigator (Principal Investigator David W. Mozingo, MD)

July 2016- Ongoing. Industry sponsored

1. A Multicenter, Multinational, Randomized, Controlled, Open-Label Study, Performed in Children with Thermal Burns, To Evaluate the Efficacy and Safety of NexoBrid as Compared to Standard of Care (SOC) Treatment

Sub-Investigator (Principal Investigator Shawn Larson, MD)

April 2018- Ongoing. Industry and Federal Funded

1. Safety and Feasibility of Adipose Derived Regenerative Cells (ADRCs) in the Treatment of Deep Partial Thickness and Full Thickness Thermal Wounds

Sub-Investigator (Principal Investigator David Mozingo, MD)

June 2018- 2020. Industry and Federal Funded

1. Long-term consequences of a thermal burn on cardiac structure and function in older adults-a pilot study

Sub-Investigator. (Principal Investigator Robert Mankowski, PhD)

February 2019-Ongoing. Internal funding.

1. A Multicenter, Prospective, Randomized, Comparative Feasibility Study of a Novel Phototherapy System for the Management of Acute Burns

Sub-Investigator. Principal Investigator Ian Driscoll, MD)

June 2019-Ongoing. Industry Funded