

EXECUTIVE SUMMARY:

I am a double board certified, Harvard-trained interventional pain medicine and anesthesiology physician expert with broad clinical experience treating complex patients across multiple disease areas. My clinical practice is focused on the care of acute and chronic pain with a special interest in interventional procedures including neuromodulation and vertebral augmentation. I continue to maintain my anesthesiology practice and regularly take anesthesia call at a Level 1 Trauma Center. I am also involved in research and medical education, and regularly lecture to residents and medical students on topics in pain medicine and anesthesiology. Further, I regularly review articles for several prestigious medical journals. Previous clients have noted that my ability to convey complex medical issues through coherent and accessible language has been at the core of successful engagements as a clinician, educator and legal consultant.

EDUCATION

Columbia Medical School - New York, NY	M.D., May 2015
Columbia Business School - New York, NY	M.B.A., May 2015
Washington University in St. Louis - St. Louis, MO	B.A., May 2010

POST GRADUATE TRAINING

Massachusetts General Hospital - Boston, MA <i>Fellow Physician, Pain Medicine</i>	June 2019-June 2020
University of Michigan - Ann Arbor, MI <i>Resident Physician, Department of Anesthesiology</i>	June 2016- June 2019
University of Michigan - Ann Arbor, MI <i>Surgical Intern, Department of Surgery</i>	June 2015-June 2019

WORK EXPERIENCE

University of Pennsylvania Hospital System <i>Assistant Professor, Pain Medicine and Anesthesiology</i>	July 2020-Present
<ul style="list-style-type: none">• Direct complex consultative, interventional, and medical care within interdisciplinary teams for patients with painful visceral, neurological, musculoskeletal and oncological conditions• Created a new service line for the interventional treatment of osteoporotic, traumatic, and neoplastic vertebral fractures by building relationships with key opinion leaders in neurosurgery and oncology• Manage teams of medical students, residents, and fellows in providing clinical care in ambulatory and hospital based settings• Teach and provide developmental feedback for medical students, residents, and fellows• Collaborate with leadership and communicate with interdisciplinary colleagues as a steward of opioid reduction programming	

RESEARCH EXPERIENCE (SELECTED)

Massachusetts General Hospital <i>Fellow Research-Department of Anesthesiology</i>	February 2019-June 2020
<ul style="list-style-type: none">• Designed a pilot trial using acetaminophen absorption as a method of gastrointestinal function assessment in critically ill COVID-19 patients which was ultimately published and used throughout the pandemic in the intensive care units while volunteering during the early COVID-19 pandemic	
University of Michigan <i>Resident Researcher-Division of Pain Medicine</i>	June 2018-June 2019
<ul style="list-style-type: none">• Awarded the position of Clinical Scientist Translational Anesthesiology Research Resident• Designed, executed, and published a major clinical study on opioid prescribing in the setting of interventional pain procedures• Presented findings at the Foundation for Anesthesia Education and Research in the American Society of Anesthesiology national meeting (1st place)• Self taught analytical skills for large data set organization from the Optum database	
Hospital for Special Surgery <i>Research Assistant-Department of Orthopedic Surgery</i>	June 2013-June 2015
<ul style="list-style-type: none">• Designed, executed, and published a major cost effectiveness study to model the costs and clinical outcomes of various clinical protocols in orthopedic surgery• Self studied decision modeling software Treeage and underlying concepts in cost effectiveness research	

OTHER APPOINTMENTS

Leonard Davis Institute of Health Economics - Philadelphia, PA <i>LDI Senior Fellow</i>	June 2020-Present
Pain Medicine - Ann Arbor, MI <i>Ad-hoc reviewer of original research submissions</i>	June 2020-Present
American Society of Regional Anesthesia and Pain Medicine - Pittsburgh, PA <i>Ad-hoc member - ASRA Pain Medicine Abstract Review Subcommittee</i>	March 202-Present

LICENSURE AND CERTIFICATIONS

American Board of Pain Medicine	2021
American Board of Anesthesiology	2021

CONSULTING AND ENTREPRENEURIAL EXPERIENCE (SELECTED)

Atlas Admissions, LLC June 2018-Present
CEO, Founder

- Generate comprehensive admissions and educational strategies to assist prospective applicants to medical and life sciences programs
- Manage remote teams of tutors and consultants to achieve admissions success for our clients

Consulting June 2019-Present
Gerson Lehrman Group, Guidepoint, Boston Scientific, Nevro

- Deliver ad-hoc medical expert consulting services to investment firms and technology companies on new technology, market opportunities, and clinical operations

Medical Legal Work June 2021-Present
Expert Witness, Legal Consultant

- Collaborate on medical legal cases in anesthesiology and pain medicine by providing comprehensive analysis of medical records, documentation and formulation of opinions on clinical outcomes and the standard of care

AWARDS AND HONORS

Nevro Corp. Early Practice Leaders and Peripheral Diabetic Neuropathy Expert Panel Member. Philadelphia, PA.	2021
Research Resident of the Year Award. University of Michigan Anesthesiology. Ann Arbor, MI.	2019
Foundation for Anesthesia Education and Research Scholar. ASA 2018. San Francisco, CA.	2018
Clinical Scientist Translational Anesthesiology Research (C-STAR) Resident. Ann Arbor, MI.	2018
Ranawat Award, Eastern Orthopedic Association 45th Annual Meeting. Amelia, FL.	2014
Richard S. Laskin Research Award, Hospital for Special Surgery 25th Annual Holiday Knee Course. New York, NY.	2013
National Runner Up, Humana Healthcare Case Competition. Louisville, KY.	2013
Phi Beta Kappa, Washington University in St. Louis. Saint Louis, MO.	2009
Summer Undergraduate Research Fellowship, Albert Einstein College of Medicine	2008

PUBLICATIONS

1. Daniel L. Southren MD, MBA, Alexa D. Nardone PharmD, Adeniran A. Haastrup MD, Russel J. Roberts PharmD, Marvin G. Chang MD, PhD, Edward A. Bittner MD, PhD: An examination of gastrointestinal absorption using the acetaminophen absorption test in critically ill patients with COVID-19: A retrospective cohort study. *Nutrition in Clinical Practice* June 2021.
2. Southren DL, Moser S, Abu-Amara H, Lin P, Schack A, Gunaseelan V, Waljee J, Brummett CM: Opioid Fills for Lumbar Facet Radiofrequency Ablation Associated With New Persistent Opioid Use. *Anesthesiology* Jan 2020.
3. McLawhorn AS, Steinhaus ME, Southren DL, Lee Y, Dodwell ER, Figgie MP: Body Mass Index Class Is Independently Associated With Health-Related Quality of Life After Primary Total Hip Arthroplasty: An Institutional Registry-Based Study. *J Arthroplasty* Jan 2017.
4. Galdi B, Southren DL, Brabston EW, Popkin CA, Jobin CM, Levine WN, Ahmad CS: Patients Have Strong Preferences and Perceptions for Biceps Tenotomy Versus Tenodesis. *Arthroscopy* Dec 2016.
5. McLawhorn AS, Southren D, Wang CY, Marx RG, Dodwell ER: Cost-Effectiveness of Bariatric Surgery Prior to Total Knee Arthroplasty in the Morbidly Obese: A Computer Model-Based Evaluation. *J Bone Joint Surg Am* Jan 2016.