



CURRICULUM VITAE

Sarah Elizabeth Murnane, DPT
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EDUCATION:

- 2003 DPT, Doctorate of Physical Therapy, Emory University *Graduated cum laude*
- 2000 BS, Exercise and Sport Science, University of Georgia *Graduated with honors*

ACADEMIC APPOINTMENTS:

- 2021–Present Director, Center of Academic Excellence in Patient Centered Rehabilitation, Louisiana State University Health – Shreveport, School of Allied Health
- 2021–Present Director, Physical Therapy Wound Management Residency Louisiana State University Health - Shreveport, School of Allied Health
- 2020–Present Clinical Assistant Professor, Louisiana State University Health-Shreveport, Department of Physical Therapy, School of Allied Health
- Lead and administer the only post-professional wound care residency program in physical therapy in the United States
 - Lead and administer the only academic center in Northwest Louisiana in which advanced practice rehabilitation clinical services, blended learning experiences, and clinical research connect across 4 academic programs, 3 physical therapy residencies, and 3 clinical practice sites.
 - Manage the faculty supporting the wound care residency

- Arbitrate disputes, onboard personnel, and document program
- Administer the residency accreditation process
- Host courses in the DPT and residency programs
- Mentor DPT students in research projects and academic writing
- Engage in service activities and committee assignments

PROFESSIONAL EXPERIENCE:

- 2007–2020 Wound Care Clinician, Piedmont Hospital
 Evaluation, assessment and treatment of all types of wounds with sharp debridement skills and use of various modalities, management of negative pressure wound therapy, and specialty beds. Extensive experience with advanced dressings, biologicals, hyperbaric oxygen, nursing education, and coordination of home care within a 500 bed community based hospital (acute care) and comprehensive outpatient wound clinic (HOD).
- 2007–2009 Clinical Physical Therapist (PRN), DeKalb Medical Center
 Evaluation, assessment, and treatment of a primarily geriatric patient population with a specialization in cancer treatment. Experience also in the acute rehab center.
- 2007–2009 Clinical Physical Therapist (PRN), Atlanta Medical Center
 Practiced the evaluation, assessment, and treatment of patients within a private level 2 trauma center specializing in orthopedics, trauma, and neurological rehabilitation.
- 2003–2014 Clinical Physical Therapist, Grady Hospital
 Practiced the evaluation, assessment and treatment of a wide variety of patients, including burn management, general wound care, orthopedics, trauma, neurological, intensive care, medicine, surgery, cardiac, and oncology patients, in a 1000 bed level one trauma center and safety net hospital.

TEACHING:

- 2022-present Course Coordinator and Instructor, Louisiana State University
 Health Sciences Center- Shreveport **Student enrollment: 36**
PHTH 7570: Prosthetics and Orthotics

Coordinated and taught course in the doctorate of physical therapy program. Developed didactic instructional material, held lectures, held lab exercises, and graded examinations.

- 2021–Present Course Instructor, Louisiana State University Health Sciences Center- Shreveport **Student enrollment: 36**
PHTH 7580: Evaluation and Management of Patients with Disorders of the Integumentary System
Contributed to team-taught module courses in the doctorate of physical therapy program. Held lectures, facilitated active learning exercises, developed learning objectives, developed instructional material, held practicals, and generated and graded examinations. Provided over 30 didactic contact hours per year and over 60 laboratory training hours.
- 2020–2021 Course Instructor, Louisiana State University Health Sciences Center- Shreveport
PHTH 9380: Wound Management
PHTH 9390: Advanced Anatomy and Biomechanics
Provided an intense year-long period of advanced clinical training for a resident in wound management. Held lectures, facilitated active learning exercises, developed learning objectives, developed instructional material, held practicals, organized a journal club, provided individual mentoring in clinical skills, and generated and graded examinations.
- 2017–2020 Guest Lecturer, University of North Georgia “Burn Care and Physical Therapy Intervention”, doctorate of physical therapy program
- 2008–2009 Guest Lecturer, Georgia State University
“Wound Care in the Acute Care Setting”, doctorate of physical therapy program
- 2008–2011 Guest Lecturer, Georgia State University
“Burn Care and Physical Therapy Intervention”, doctorate of physical therapy program
- 2007–2011 Guest Lecturer, Emory University
“Burn Care and Physical Therapy Intervention”, doctorate of physical therapy program

MENTORING:

2020-current	<u>Didactic and Clinical Mentor</u> , Wound Management Residency LSU Health Shreveport. Direct mentor for 3 different residents within a 13 month Wound Management Residency each with over 150 hours of 1:1 clinical mentorship and 300 hours of didactic instruction
2020–2021	<u>Research Mentor</u> , LSU Health Shreveport Intense year-long research mentorship of a senior advanced placement high school student
2014	<u>Co-clinical Mentor</u> , Piedmont Hospital Clinical experiential supervision of a physical therapy student over a 4 month clinical experience in wound care
2013–2020	<u>Clinical Mentor</u> , Piedmont Hospital Direct supervision of over 30 Mercer University physical therapy students as they gained clinical experience in wound management
2005–2008	<u>Clinical Instructor</u> , Grady Hospital Direct supervision of 4 physical therapy students each for 3 months.

RESEARCH INTERESTS:

1. Novel approaches to the reduction of scar tissue and improved scar management
2. Use of natural products as skin selective anti-inflammatory agents to reduce scar formation
3. Use of blood flow restriction to improve function in peripheral vascular disease

RESEARCH PUBLICATIONS:

Edinoff, A; Fitz-Gerald, J; Murnane, S; Holland, KA; Reed, JG; Minter, SG; Kaye, AJ;; Kaye, AM; Cornett, EM; Kaye, AD; Viswanath, O; Urits, I. *Adjuvant drugs for peripheral*

nerve blocks: the role of NMDA Antagonists, neostigmine, epinephrine, and sodium bicarbonate. Anesthesia and Pain Medicine. Vol 11 (3). 2021

Susan J. Herdman, Ph.D., P.T., Rick Segal, Ph.D., P.T., Sarah Bacinski, Kelly Brown, Audrey Jones, and Connie Reau (2003). The relationship between modified Dynamic Gait Index score and incidence of falls in patients with vestibular hypofunction. Emory University School of Medicine, Department of Rehabilitation Medicine, Division of Physical Therapy.

BOOK CHAPTERS:

Natural Products in the Treatment of Unremitting Wounds Secondary to Diabetes or Peripheral Vascular Disease. *Medicinal Plants for Cosmetics, Health and Disease.* (2023). Taylor and Francis Books

Overview of Physical Therapy for Children with Autism and other Intellectual and Developmental Disabilities. *Handbook of Treatment Planning for Children with Autism Spectrum Disorders and other Developmental Disabilities.* (2022) Springer Books

LICENSURE and CERTIFICATION:

Louisiana State Board of Physical Therapy #10571R, expiration 4/30/2024

Georgia State Board of Physical Therapy, #PT007875, expiration 12/31/2021

Certified Wound Specialist (CWS) American Academy of Wound Management, #3352, expiration 10/1/2028

Certified Lymphedema Therapist (CLT) Academy of Lymphatic Studies, completion 11/14/21

American Physical Therapy Association Credentialed Clinical Education Instructor

Mentorship and Residency Directorship Training, American Physical Therapy Association 2020

SERVICE:

2022–Present Onsite Reviewer, American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE)

- 2021–Present Peer Reviewer, Journal of the Academy of Clinical Electrophysiology and Wound Management
- 2021–Present Credentialing Committee, School of Allied Health, Louisiana State University Health Sciences Center- Shreveport
- 2021–Present Infection Control Committee, School of Allied Health, Louisiana State University Health Sciences Center- Shreveport
- 2021–Present Clinical Affairs Committee, School of Allied Health, Louisiana State University Health Sciences Center- Shreveport
- 2020–Present Oversight Committee, Wound Care Residency Program, School of Allied Health, Louisiana State University Health Sciences Center- Shreveport