

Dr. Sarah Murnane's academic and professional journey began when she earned her Bachelor of Science in Exercise and Sports Science from The University of Georgia in 2000, followed by a Doctor of Physical Therapy (DPT) from Emory University in 2003. In her pursuit of specialized expertise, Dr. Murnane achieved certification as a Certified Wound Specialist in 2008 and later as a Certified Lymphedema Therapist in 2021, reflecting her commitment to advancing her proficiency in wound management.

With over two decades of experience in wound care, Dr. Murnane has contributed across various clinical settings, including acute care and outpatient services. In 2020, she joined the esteemed faculty of LSU Health Shreveport's Physical Therapy Department. Currently, she is entrenched in an academic medical environment, where her clinical practice extends to include teaching and mentoring to second-year physical therapy students through courses in Integument and Orthotics and Prosthetics as well as Wound Management Residents in the 1-year residency program.

Her leadership role includes Program Director of the nation's only accredited Wound Management Residency at LSU Health Shreveport. Here, she not only oversees the clinical mentorship of residents but also leads the development and delivery of the didactic curriculum, ensuring a comprehensive and cutting-edge educational experience. Dr. Murnane also holds the title of Director of the Center of Academic Excellence in Patient-Centered Rehabilitation, a role that highlights her dedication to integrating patient-centered approaches into rehabilitation education and practice.

Dr. Murnane is currently advancing her academic credentials through enrollment in the PhD program in Rehabilitation Sciences at LSU Health Shreveport, further enhancing her capacity for research and teaching in the field. Her service to the profession currently includes her role as an ABPTRFE site reviewer for the accreditation of new and continuing residencies. Additionally, she contributes to the governance of the School of Allied Health Professions at LSU Health Shreveport, serving as Chair of the Clinical Affairs Committee, and she is a peer reviewer for the Journal of the Academy of Clinical Electrophysiology and Wound Management. She holds a profound commitment to advancing the field of physical therapy through education, clinical practice, and professional service.





***CURRICULUM VITAE***

Sarah Elizabeth Murnane, DPT  
Clinical Assistant Professor, Department of Physical Therapy  
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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      Didactic and Clinical Mentor, 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      Research Mentor, LSU Health Shreveport  
Intense year-long research mentorship of a senior advanced placement high school student
- 2014              Co-clinical Mentor, Piedmont Hospital  
Clinical experiential supervision of a physical therapy student over a 4 month clinical experience in wound care
- 2013–2020      Clinical Mentor, Piedmont Hospital  
Direct supervision of over 30 Mercer University physical therapy students as they gained clinical experience in wound management
- 2005–2008      Clinical Instructor, 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