



# 6th Annual Comprehensive Wound Care Symposium: A Multidisciplinary Perspective

Thursday, Sept. 12 to Saturday, Sept. 14, 2019

Sheraton Pittsburgh Hotel, Station Square  
300 West Station Square Drive | Pittsburgh, PA 15219  
[www.marriott.com](http://www.marriott.com) | 412-261-2000

## Course Directors

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UPMC Endowed Professor and Chair of Plastic Surgery  
Member, Steering Committee for the NIH/NIDDK Diabetic Foot Ulcer Research Consortium

**Elizabeth Shumaker, MSN, RN**

Senior Director of Operations, UPMC Wound Healing Services

Sponsored by UPMC Wound Healing Services, UPMC Mercy, University of Pittsburgh School of Medicine, Center for Continuing Education in the Health Sciences, UPMC Wound Research Alliance, McGowan Institute for Regenerative Medicine, and the Wound Healing Society.

UPMC Mercy is approved by the Council on Podiatric Medical Education as a provider of continuing education in podiatric medicine.

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LIFE CHANGING MEDICINE

## Learning Objectives

This conference is designed to provide state-of-the-art information and best practice guidelines in the treatment of acute and chronic wounds. Both medical and surgical management strategies to optimize wound healing will be addressed. The goal of this symposium is to provide a comprehensive overview on the treatment of wound care-related issues and innovations in the field. Upon completion, participants should be able to:

- Identify three strategies for self-care
  - Recognize four signs and symptoms of stress and burn out
  - Highlight advantages for using a multidisciplinary team approach
  - Examine the impact of stem cells and regenerative medicine in nonhealing wounds
  - Understand the negative effects smoking poses on wound healing
  - Describe non-opioid pain management approaches for the wound patient
  - Recognize populations of people who are malnourished and may have micronutrient deficiencies related to wound healing
  - Identify classic characteristics of four types of atypical wounds
  - Increase awareness of the benefits of hyperbaric oxygen therapy on radiation wounds
  - Increase knowledge regarding repetitive body behavior-related wounds
  - Increase knowledge related to physical exam findings, pathophysiology, and management strategies for lymphedema
  - Describe associated comorbidities and mortality related to diabetic foot ulcers
  - Identify methods of management for vascular insufficiency
  - Examine pathways for treating wounds on the lower extremities
  - Review quality measures from the hospital perspective
- Discuss pressure ulcer prevention strategies and treatment
  - Understand current strategies for diagnosis and treatment of wound infections
  - Examine surgical strategies to treat upper extremity lymphedema
  - Compare and contrast various tactics for navigating reimbursement
  - Increase understanding of nutrition-focused physical exams
  - Discuss intervention strategies for nutritional deficiencies

## Who Should Attend

This symposium is intended for physicians, nurses, physical therapists, advanced practice providers, and all clinicians involved in wound healing or wound care issues. Course material will benefit both novice and experienced clinicians.

## Meeting Locations

### Sheraton Pittsburgh Hotel, Station Square

300 West Station Square Drive  
Pittsburgh, PA 15219  
www.marriott.com  
412-261-2000

### Reflections and Waterfront

Welcome Reception

### Grand Station Ballroom I

Vendor/Lunch Room

### Grand Station Ballroom II-V

Large Session Room

### Admiral Room

Breakout Room 2

## CME Accreditation and Designation Statement

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the health care team.

The University of Pittsburgh School of Medicine designated this live activity for a maximum of 15.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Application for physical therapy credits is pending approval.

Application for CPEUs has been submitted to the Commission on Dietetic Registration and is pending approval.

## Nursing Accreditation

This continuing nursing education activity was approved by the University of Pittsburgh Medical Center (UPMC) Provider Unit, an approved provider of continuing nursing education by PA State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Participants who attend the entire activity and complete an evaluation form will be awarded a certificate and 15.2 contact hours.

## Thursday, Sept. 12

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- 6 – 9 p.m. **Registration**  
*Vestibule*
- 7 – 7:45 p.m. **Taking Care of the Caregiver**  
Angela Dean, PsyD  
*Grand Station Ballroom II-V*
- 7:45 p.m. **Adjournment**
- 7:45 – 9 p.m. **Welcome Reception**  
Visit with *Platinum* and *Gold*  
Exhibitors  
*Reflections and Waterfront*

## Friday, Sept. 13

### Session I: The Bigger Picture of Wound Care

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- 7 – 8 a.m. **Registration/Breakfast (provided), Visit with Exhibitors**  
*Vestibule/Grand Station Ballroom I*
- 8 – 8:05 a.m. **Welcome, Opening Remarks**  
J. Peter Rubin, MD, FACS  
Elizabeth Shumaker, MSN, RN  
*Grand Station Ballroom II-V*
- 8:05 – 8:30 a.m. **Multidisciplinary Approach Leads to Success**  
J. Peter Rubin, MD, FACS  
Elizabeth Shumaker, MSN, RN  
*Grand Station Ballroom II-V*
- 8:30 – 9:30 a.m. **Keynote: The Future of Wound Healing – Latest Scientific Advances in Wound Healing**  
Alan Wells, MD, DMSc (*Introduced by Lauren Kokai, PhD*)  
*Grand Station Ballroom II-V*
- 9:30 – 10 a.m. **Effects of Smoking on Wound Healing – What Providers and Patients Need to Know**  
Esa M. Davis, MD, MPH, FAAPP  
*Grand Station Ballroom II-V*
- 10 – 10:30 a.m. **Break, Visit with Exhibitors**  
*Grand Station Ballroom I*
- 10:30 – 11 a.m. **Pathophysiology of the Foot in Diabetes: An Endocrinologist's Perspective**  
R. Harsha Rao, MD, FRCP  
*Grand Station Ballroom II-V*
- 11 – 11:30 a.m. **Pain Management in Wound Care: Getting Past Opioids**  
Trent Emerick, MD, MBA  
*Grand Station Ballroom II-V*
- 11:30 a.m. – 12 p.m. **Malnutrition and Micronutrient Deficiencies: Who's at Risk and of What?**  
Mary Litchford, PhD, RDN, LDN  
*Grand Station Ballroom II-V*
- 12 – 1 p.m. **Lunch (provided), Visit with Exhibitors/Poster Session**  
Review clinical case study posters on your own  
Presenters by their posters from 12:30 – 1 p.m.  
*Grand Station Ballroom I/Outside Ballrooms*
- 1. Cutaneous Leishmaniasis**  
Dawn Wang, MD, FACS; Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS
  - 2. Hyperbaric Oxygen Therapy – Who Benefits?**  
Brian Connor, BA, MA; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS; Susan Rolniak St. John, MSN, CRNP
  - 3. Use of Dehydrated Amnion/Chorion Membrane (dACM) in a Slow Healing Trauma Wound**  
Dawn Wang, MD, FACS; Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS
  - 4. Saving Life and Limb: Development of Multi-disciplinary Amputation Prevention Team**  
Kayla White, BSN, RN-BC, WCC; Penny Hays, BSN, RN, CWS
  - 5. The Angiogenic Capability of Mesenchymal Stem Cells Coupled with Tenascin-C under Hypoxic Conditions**  
Kyle Sylakowski; Amritha Justin; Alan Wells, MD, DMSc

Session II: Atypical Wounds and Lymphedema  
Dual Track

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- 1 – 3 p.m. **Lymphedema Care: Identifying Characteristics and Understanding Pathophysiology**  
Heather Hettrick, PT, PhD, CWS, CLT-LANA, CLWT  
*Grand Station Ballroom II-V*  
*Or attend the following 3 sessions*
- 1 – 1:40 p.m. **Treating Radiation Wounds with Hyperbaric Oxygen**  
Dawn Wang, MD, FACS  
*Admiral Room*
- 1:40 – 2:20 p.m. **Atypical Wounds**  
Arthur Huen, MD, PhD  
*Admiral Room*
- 2:20 – 3 p.m. **Body-Focused Repetitive Behaviors: Skin Picking and Hair Pulling**  
Monica Garrick Drago, MD, MSW  
*Admiral Room*
- 3 – 3:30 p.m. **Break, Visit with Exhibitors**  
*Grand Station Ballroom I*

Session III: Lower Extremity Wounds

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- 3:30 – 5 p.m. **Diabetic Foot, Vascular, and Venous Ulcers Panel Discussion: Lower Extremity Wounds, Assessment, and Pathways for Treatment**  
Moderator: J. Peter Rubin, MD, FACS  
*Grand Station Ballroom II-V*
- **DFU – The Facts You Need to Know**  
Michael Ryan, DPM
  - **Vascular Assessment of the DFU Patient: What to Do and When to Refer**  
Richard E. Redlinger, MD
  - **Vascular Disease in the DFU Patient: State-of-the-Art Management**  
Efthymios Avgerinos, MD
  - **Foot Reconstruction in DFU**  
Jeffrey Manway, DPM

- 5 – 5:30 p.m. **Closing Remarks**  
J. Peter Rubin, MD, FACS  
*Grand Station Ballroom II-V*
- 5:30 p.m. **Adjournment**

**Saturday, Sept. 14**

Session IV: Quality and Wound Prevention

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- 7 – 8 a.m. **Breakfast (provided), Visit with Exhibitors**  
*Grand Station Ballroom I*
- 8 – 8:30 a.m. **Wounds and Quality – The Hospital Perspective**  
Tami Minnier, MSN, RN, FACHE  
*(Introduced by Devra Becker, MD, FACS)*  
*Grand Station Ballroom II-V*
- 8:30 – 9 a.m. **Pressure Ulcers – Prevention and Treatment**  
Gayle Gordillo, MD  
*Grand Station Ballroom II-V*
- 9 – 9:30 a.m. **Current Strategies for Diagnosis and Treatment of Wound Infections**  
Neel B. Shah, MD  
*Grand Station Ballroom II-V*
- 9:30 – 10 a.m. **Coffee Break with Exhibitors**  
*Grand Station Ballroom I*
- 10 – 11 a.m. **Lymphedema Treatment Options: Discussion with the Experts**  
Moderator: J. Peter Rubin, MD, FACS  
*Grand Station Ballroom II-V*
- **Lymphedema Management: Essential Principles**  
Heather Hettrick, PT, PhD, CWS, CLT-LANA, CLWT
  - **Lymphedema: New Surgical Options**  
Carolyn De La Cruz, MD
  - **Lymphedema and Breast Cancer Therapy: Impact of Identifying High-Risk Patients and Early Intervention**  
Atilla Soran, MD, MPH, FNCBC, FACS

**11 a.m. – 12 p.m. Lunch (provided) and Visit with Exhibitors/Poster Session**

Review clinical case study posters on your own.

Presenters by their posters from 11:30 a.m. – 12 p.m.

*Grand Station Ballroom I/Outside Ballrooms*

**1. Healing from the Inside Out: Nutrition in Wound Healing**

Jemma Samsa, RD, LDN; Emily Stasko, RD, LDN; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS; Susan Rolniak St. John, MSN, CRNP

**2. Holistic Approach to Wound Care Can Be Life Changing**

Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS

**3. Persistent Neck Wound in Previously Radiated Area Heals with Hyperbaric Oxygen, Targeted Nutrition, and Advanced Wound Care**

Devra Becker, MD, FACS; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS; Elizabeth Shumaker, MSN, RN; Brian Connor, BA, MA; Susan Rolniak St. John, MSN, CRNP; Dawn Wang, MD, FACS

**4. A Novel Polysaccharide Derivative to Enhance Wound Healing in MRSA-Infected Porcine Partial-Thickness Burn Wound Model**

Francesco M. Egro, MBChB, MSc, MRCS; Asim Ejaz, PhD; Deokyeol Kim, MD; M. Asher Schusterman, MD; Shenda Baker, PhD; Jenny A. Ziemicki, MD, FACS; Kacey Marra, PhD; J. Peter Rubin, MD, FACS

**Session V: Practicums Dual Track**

**12 – 3 p.m. Coding/Billing: The Business Side of Wound Care**

Kathleen D. Schaum, MS  
*Admiral Room*

*OR*

**12 – 3 p.m. Nutrition and Wound Healing: Nutrition-Focused Exam, Laboratory Assessment, Interventions, and Nutrition-Related Litigation**

Mary Litchford, PhD, RDN, LDN  
*Grand Station Ballroom II-V*

**3 p.m. Adjournment**

## Faculty

### **Efthymios Avgerinos, MD**

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## Faculty Disclosures

All individuals in a position to control the content of this education activity including members of the planning committee, speakers, presenters, authors, and/or content reviewers have disclosed all relevant financial relationships with any proprietary entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The following relevant financial relationships were disclosed:

- Efthymios Avgerinos, MD, is a consultant for Penumbra and is on the CE Speakers' Bureau for Gore Medical and Boston Scientific.
- Shenda Baker, PhD, is a stockholder with Synedgen, Inc.
- Devra Becker, MD, is a legal consult for Expert Witness.
- Gayle M. Gordillo, MD, is involved with grant/research support with the NIH and a stockholder with Med Compliance IQ, LLC.
- Heather Hettrick, PT, PhD, CWS, CLT-LANA, CLWT, is a consultant with 3M, ILWTI, Cell Constructs, and Molnlycke.
- Mary Litchford, PhD, RDN, LDN, is a consultant with Prosyntheses Labs and Medline Industries and is on the CE Speakers' Bureau for Abbott Nutrition and Nestle.
- J. Peter Rubin, MD, is a consultant with Global Biomedical.

**No other planners, members of the planning committee, speakers, presenters, authors, content reviewers, and/or anyone else in a position to control the content of this education activity have relevant financial relationships to disclose.**

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## More Information

**If you would like information about the UPMC Wound Research Alliance, please contact:**

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## Acknowledgement of Commercial Support

We would like to thank the following for their generous support of this conference:

### Unrestricted Educational Grants

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