



UPMC Wound Healing Services  
at UPMC Passavant  
2030 Mackenzie Way, Suite 400  
Cranberry Township, PA 16066

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

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

For registration, visit: <https://ccehs.upmc.com>

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## 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

**J. Peter Rubin, MD, FACS**

Director, UPMC Wound Healing Services

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.*



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



### Planning Committee

Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS\*

Alex Catalano, BS, MHA\*

Brian Connor, BA, MA\*

Edward I. Harrison, MBA\*

Lori O'Shea, BSN, RN, WOCN\*

Susan Rolniak St. John, MSN, CRNP\*

Patsy Simon, BS, RN, CCRC, CCRA, ACRP-PM^

\*UPMC Wound Healing Services

^UPMC Wound Research Alliance

## Overview

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.

### Objectives

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 of this conference, participants should be able to:

- Identify three strategies for selfcare
- Recognize four signs or 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 behaviors-related wounds
- Increase knowledge related to physical exam findings, pathophysiology, and management strategies for lymphedema
- Describe associated morbidities 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 conference is intended for physicians, nurses, physical therapists, podiatrists, advanced practice providers, and all clinicians involved in wound healing or wound care issues. Course material will benefit both novice and experienced clinicians.

## Meeting Location

Sheraton Pittsburgh Hotel, Station Square\*  
300 West Station Square Drive  
Pittsburgh, PA 15219  
www.marriott.com  
T: 412-261-2000

\*A block of hotel rooms is available to attendees for the reduced price of \$189/night. Ask for the Wound Symposium discount when registering.

## Parking

On-site parking is available (for a fee).

## CME Accreditation and Designation Statement

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 14.75 AMA PRA Category 1 Credits™. Physicians should only claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 1.4 continuing education units (CEUs), which are equal to 14.7 contact hours.

Attendees can earn up to 14.7 CECH for this seminar. UPMC Mercy is approved by the Council on Podiatric Medical Education as a sponsor of continuing education in podiatric medicine.

Application for physical therapy credits has been submitted and 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 14.7 contact hours.

## Schedule

### Thursday, Sept. 12

6 – 9 p.m.	<b>Registration</b>
7 – 7:45 p.m.	<b>Taking Care of the Caregiver</b> Angela Dean, PsyD
7:45 – 9 p.m.	<b>Welcome Reception</b> Visit with <i>Platinum</i> and <i>Gold</i> Exhibitors

### Friday, Sept. 13

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

7 – 8 a.m.	<b>Registration, Breakfast (provided), Visit with Exhibitors</b>
8 – 8:05 a.m.	<b>Welcome, Opening Remarks</b> J. Peter Rubin, MD, FACS Elizabeth Shumaker, MSN, RN
8:05 – 8:30 a.m.	<b>Multidisciplinary Approach Leads to Success</b> J. Peter Rubin, MD, FACS Elizabeth Shumaker, MSN, RN
8:30 – 9:30 a.m.	<b>Keynote: The Future of Wound Healing – Latest Scientific Advances in Wound Healing</b> Alan Wells, MD, DMSc (Introduced by Lauren Kokai, PhD)
9:30 – 10 a.m.	<b>Effects of Smoking on Wound Healing – What Providers and Patients Need to Know</b> Esa M. Davis, MD, MPH, FAAPP
10 – 10:30 a.m.	<b>Break, Visit with Exhibitors</b>
10:30 – 11 a.m.	<b>Pathophysiology of the Foot in Diabetes: An Endocrinologist's Perspective</b> R. Harsha Rao, MD, FRCP
11 – 11:30 a.m.	<b>Pain Management in Wound Care: Getting Past Opioids</b> Trent Emerick, MD, MBA
11:30 a.m. – 12 p.m.	<b>Malnutrition and Micronutrient Deficiencies: Who's at Risk and for What?</b> Mary Litchford, PhD, RDN, LDN

## Schedule

### Friday, Sept. 13

#### Session I: The Bigger Picture of Wound Care (continued)

12 – 1 p.m.	<b>Lunch (provided), Visit with Exhibitors, Poster Session</b> Review clinical case study posters on your own <i>Presenters by their posters 12:30 – 1 p.m.</i>
	<b>1. Cutaneous Leishmaniasis</b> Dawn Wang, MD, FACS; Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS
	<b>2. Hyperbaric Oxygen Therapy – Who Benefits?</b> Brian Connor, BA, MA; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS; Susan Rolniak St. John, MSN, CRNP
	<b>3. Use of Dehydrated Amnion/Chorion Membrane (dACM) in a Slow Healing Trauma Wound</b> Dawn Wang, MD, FACS; Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS
	<b>4. Saving Life and Limb: Development of a Multidisciplinary Amputation Prevention Team</b> Kayla White, BSN, RN-BC, WCC; Penny Hays, BSN, RN, CWS
	<b>5. The Angiogenic Capability of Mesenchymal Stem Cells Coupled with Tenascin-C under Hypoxic Conditions</b> Kyle Sylakowski; Amritha Justin; and Alan Wells, MD, DMSc

#### Session II: Atypical Wounds and Lymphedema Dual Track

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

#### Session III: Lower Extremity Wounds

3:30 – 5 p.m.	<b>Diabetic Foot, Vascular, and Venous Ulcers Panel Discussion: Lower Extremity Wounds, Assessment, and Pathways for Treatment</b> Moderator: J. Peter Rubin, MD, FACS <ul style="list-style-type: none"> <li>• <b>DFU – The Facts You Need to Know</b>, Michael Ryan, DPM</li> <li>• <b>Vascular Assessment of the DFU Patient: What to Do and When to Refer</b>, Richard E. Redlinger, MD</li> <li>• <b>Vascular Disease in the DFU Patient: State of the Art Management</b>, Efthymios Avgerinos, MD</li> <li>• <b>Foot Reconstruction in DFU</b>, Jeffrey Manway, DPM</li> </ul>
5 – 5:30 p.m.	<b>Closing Remarks</b> , J. Peter Rubin, MD, FACS
5:30 p.m.	<b>Adjournment</b>

## Schedule

### Saturday, Sept. 14

#### Session IV: Quality and Wound Prevention

7 – 8 a.m.	<b>Breakfast (provided), Visit with Exhibitors</b>
8 – 8:30 a.m.	<b>Wounds and Quality – The Hospital Perspective</b> Tami Minnier, MSN, RN, FACHE ( <i>Introduced by Devra Becker, MD, FACS</i> )
8:30 – 9 a.m.	<b>Pressure Ulcers – Prevention and Treatment</b> , Gayle Gordillo, MD
9 – 9:30 a.m.	<b>Current Strategies for Diagnosis and Treatment of Wound Infections</b> Neel B. Shah, MD
9:30 – 10 a.m.	<b>Coffee Break with Exhibitors</b>
10 – 11 a.m.	<b>Lymphedema Treatment Options: Discussion with the Experts</b> Moderator: J. Peter Rubin, MD, FACS <ul style="list-style-type: none"> <li>• <b>Lymphedema Management: Essential Principles</b>  Heather Hettrick, PT, PhD, CWS, CLT-LANA, CLWT</li> <li>• <b>Lymphedema: New Surgical Options</b>, Carolyn De La Cruz, MD</li> <li>• <b>Lymphedema and Breast Cancer Therapy: Impact of Identifying High-Risk Patients and Early Intervention</b>  Atilla Soran, MD, MPH, FNCBC, FACS</li> </ul>

11 a.m. – 12 p.m.	<b>Lunch (provided) and Visit with Exhibitors, Poster Session</b> Review clinical case study posters on your own <i>Presenters by their posters 11:30 a.m. – 12 p.m.</i>
	<b>1. Healing from the Inside Out: Nutrition in Wound Healing</b> Jenna Samsa, RD, LDN; Emily Stasko, RD, LDN; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS; Susan Rolniak St. John, MSN, CRNP
	<b>2. Holistic Approach to Wound Care Can Be Life Changing</b> Susan Rolniak St. John, MSN, CRNP; Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS
	<b>3. Persistent Neck Wound in Previously Radiated Area Heals with Hyperbaric Oxygen, Targeted Nutrition, and Advanced Wound Care</b> 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
	<b>4. A Novel Polysaccharide Derivative to Enhance Wound Healing in MRSA-infected Porcine Partial-Thickness Burn Wound Model</b> Francesco M. Ergo, MBChB, MSc, MRCS; Asim Ejaz, PhD; Deokyeol Kim, MD; M. Asher Schusterman, MD; Shenda Baker, PhD; Jenny A. Ziembicki, MD, FACS; Kacey Marra, PhD; J. Peter Rubin, MD, FACS

#### Session V: Practicums Dual Track

12 – 3 p.m.	<b>Coding/Billing: The Business Side of Wound Care</b> , Kathleen D. Schaum, MS <b>Or</b>
12 – 3 p.m.	<b>Nutrition and Wound Healing: Nutrition-Focused Exam, Laboratory Assessment, Interventions, and Nutrition-Related Litigation</b> Mary Litchford, PhD, RDN, LDN
3 p.m.	<b>Adjournment</b>

## Faculty

### **Efthymios Avgerinos, MD**

Associate Professor of Surgery  
UPMC Heart and Vascular Institute  
Division of Vascular Surgery,  
University of Pittsburgh School of Medicine

### **Devra Becker MD, FACS**

Associate Professor of Plastic Surgery  
Department of Plastic Surgery  
University of Pittsburgh School of Medicine  
Chief of Plastic Surgery at UPMC Passavant  
Director of Quality Education,  
Department of Plastic Surgery

### **Jodi Boory, BSN, RN, CRRN, CHRN, CWCA, OMS**

Clinician, UPMC Passavant Wound  
Healing Services

### **Brian Connor, BA, MA**

Regional Manager, UPMC Wound  
Healing Services

### **Esa M. Davis, MD, MPH, FAAPP**

Associate Professor, Department of  
Medicine and Clinical and Translational  
Science Institute  
Center for Research and Health Care,  
University of Pittsburgh School of Medicine  
Director, UPMC Tobacco Treatment Service,  
UPMC Montefiore and UPMC Presbyterian

### **Carolyn De La Cruz, MD**

Assistant Professor of Plastic Surgery  
Department of Plastic Surgery  
University of Pittsburgh School of Medicine

### **Angela M. Dean, PsyD**

Licensed Psychologist  
National Register Health Psychologist  
UPMC Hillman Cancer Center  
Center for Counseling and Cancer Support  
UPMC Passavant

### **Francesco M. Ergo, MBChB, MSc, MRCS**

Integrated Resident PGY-4  
UPMC Department of Plastic Surgery

### **Trent Emerick, MD, MBA**

Assistant Professor  
Director of Quality Improvement and  
Innovation, Chronic Pain  
Department of Anesthesiology,  
Division of Chronic Pain  
University of Pittsburgh School of Medicine

### **Monica Garrick Drago, MD, MSW**

Behavioral Medicine and  
Cognitive Behavior Therapy  
BFRB Pittsburgh

### **Gayle Gordillo, MD**

Chief of Plastic Surgery, Indiana University  
Medical Director of Wound Services, IU Health  
Dr. Sanford and Thelma Glanz Professor  
Vice President of Research, American Society  
of Plastic Surgeons

### **Heather Hettrick, PT, PhD, CWS, CLT-LANA, CLWT**

Associate Professor  
Admissions Committee Chair  
Academic Coordinator Clinical Education  
Experiential Learning Fellow - NSEE  
Department of Physical Therapy  
Nova Southeastern University

### **Arthur Huen, MD, PhD**

Research Instructor, University of Pittsburgh  
Department of Dermatology  
UPMC Presbyterian Shadyside

### **Lauren Kokai, PhD**

Research Assistant Professor  
Co-Director, Adipose Stem Cell  
Research Center  
Department of Plastic Surgery  
University of Pittsburgh School of Medicine

### **Mary D. Litchford PhD, RDN, LDN**

President, CASE Software & Books  
Immediate Past President of the  
National Pressure Ulcer Advisory Panel

### **Jeffrey Manway, DPM**

Clinical Instructor  
UPMC Department of Orthopaedics  
Foot & Ankle Division  
University of Pittsburgh School of Medicine

## Faculty

*(Continued from previous page)*

### **Tami Minnier, MSN, RN, FACHE**

Chief Quality Officer for UPMC  
Executive Director, Beckwith Institute

### **R. Harsha Rao, MD, FRCP**

Professor of Medicine, University of  
Pittsburgh School of Medicine  
Chief of Endocrinology, VA Pittsburgh  
Healthcare System

### **Richard E. Redlinger, Jr. MD**

UPMC Passavant Heart and  
Vascular Institute  
Assistant Clinical Professor of Surgery  
University of Pittsburgh School of Medicine

### **Susan Rolniak St. John, MSN, CRNP**

UPMC Wound Healing Services at  
UPMC Passavant  
UPMC Department of Plastic Surgery

### **J. Peter Rubin, MD, FACS**

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

### **Michael T. Ryan, DPM**

Attending, UPMC Wound Healing Services  
at UPMC Passavant  
Faculty, UPMC Mercy Podiatric  
Residency Program

### **Jenna Samsa, RD, LDN**

Dietician II, Food & Nutrition Services  
UPMC Presbyterian Shadyside

### **Kathleen D. Schaum, MS**

Kathleen D. Schaum & Associates, Inc.  
Lake Worth, FL

### **Neel B. Shah, MD**

Division of Infectious Diseases, UPMC  
Clinical Assistant Professor  
University of Pittsburgh School of Medicine

### **Elizabeth Shumaker, MSN, RN**

Senior Director of Operations,  
Wound Healing Services  
UPMC Hillman Cancer Center

### **Atilla Soran, MD, MPH, FNCBC, FACS**

Professor of Clinical Surgery  
Division of Surgical Oncology,  
University of Pittsburgh School of Medicine  
Director, Breast Disease Clinical  
Research Program  
Director, International Breast  
Fellowship Program  
Director, Comprehensive Lymphedema Center  
UPMC Magee-Womens Hospital

### **Emily Stasko, RD, LDN**

Dietician, Food & Nutrition Services  
UPMC Presbyterian Shadyside

### **Dawn J. Wang, MD, FACS**

Assistant Professor of Plastic Surgery  
Department of Plastic Surgery,  
University of Pittsburgh School of Medicine  
Chief of Plastic Surgery, UPMC St. Margaret  
UPMC Wound Healing Services at  
UPMC Passavant

### **Alan Wells, MD, DMSc**

Thomas Gill Professor of Pathology  
Medical Director, UPMC Clinical  
Laboratories  
Executive Vice Chair for Laboratory Medicine  
Department of Pathology, University of  
Pittsburgh School of Medicine

### **Kayla White, BSN, RN-BC, WCC**

Senior Professional Staff Nurse II  
UPMC Hamot Wound Healing Services and  
Hyperbaric Medicine

*All individuals in a position to control the content of this education activity are required to disclose 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.*

*Faculty members are affiliated with the University of Pittsburgh School of Medicine and/or UPMC and reside in the Pittsburgh, PA area unless otherwise identified.*

## Registration Information

### Pre-Register Pre-registrations are due by September 6, 2019.

Registration is limited to the first 350 registrants. Registrations after **September 6, 2019**, are accepted only as on-site registrations. Registering online is the quickest and easiest way to reserve your space.

- Visit our online registration at <https://ccehs.upmc.com>
- Click on *Upcoming Events*
- Scroll to Sept. 12, 2019 — **6th Annual Comprehensive Wound Care Symposium: A Multidisciplinary Perspective**
- Click the *Registration* button and enter all requested information.
- After registering, an electronic confirmation will be sent to the email address you provided when you registered.

### Paper Registration by Fax or Mail

If you are unable to register online and require the use of paper registration form, see contact information below. UPMC employees whose registration fee will be remitted via journal transfer should request the paper registration form.

### On-Site Registration

After **September 6, 2019**, all registrations for this conference are accepted as on-site registrations provided space is available.

A confirmation letter will be faxed, mailed, or emailed. If registration is completed by the deadline, confirmation will be sent via the method you registered. **Please note: Registration is not complete until you receive the confirmation.** If you do not receive confirmation within seven days of registration, please contact us at **412-383-8080**.

*You must bring this confirmation with you to the conference.*

### Cancellation

All cancellations must be in writing and sent to us via U.S. mail, email, or fax (see contact information below). Tuition for cancellations postmarked or date stamped before **August 22, 2019** will be refunded in full. After **August 22, 2019**, a \$25 administrative fee will be assessed, the remaining amount refunded, and no refunds will be made after **September 6, 2019**.

*Cancellation requests can be made to:*

Kimberly A. Elkins  
UPMC Department of Plastic Surgery  
Suite 6B Scaife Hall, Room 690  
3550 Terrace Street, Pittsburgh, PA 15261  
Phone: **412-383-8080**  
Fax: **412-383-9053**  
[elkinska@upmc.edu](mailto:elkinska@upmc.edu)

## Registration Fees

### Early Bird (before July 15, 2019)

MD, DO, DPM, PhD.....	\$249
RN, NP, PA, PT, DT, Other.....	\$149

### July 15, 2019 or later

MD, DO, DPM, PhD.....	\$299
RN, NP, PA, PT, DT, Other.....	\$199
Residents, Students.....	\$ 75

### One Day Registration Fee

MD, DO, DPM, PhD.....	\$175
RN, NP, PA, PT, Other.....	\$125
Residents, Students.....	\$50

*Registration includes:*

- Continuing education credit
- Registration and course material
- Continental breakfast, refreshments, and lunch

## The Americans with Disabilities Act Information

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling **412-383-8080**.

## Visit the UPMC Center for Continuing Education on the Health Sciences Website

<http://ccehs.upmc.com>

The UPMC Center for Continuing Education in the Health Sciences invites you to visit our web location. Receive information on CME programs; earn CME credits online, access information about our formal courses, and much more. Discover who we are and how you can contact us. Please visit our website often to get updated information on upcoming programs.

*The University of Pittsburgh is an affirmative action, equal opportunity institution.*

## For Additional Information, Contact:

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UPMC Wound Healing Services  
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