

Outline

A&P of the Integumentary System

Layers of the epidermis and dermis
Subcutaneous tissue
Dermal appendages
Deep tissue

How Wounds Heal: Phases of Wound Healing and Tissue Repair

The wound healing models
Superficial wound healing
Primary intention wound healing
Delayed primary intention
Partial thickness wound healing
Secondary intention wound healing
Tertiary wound healing
Hemostasis
Inflammation
Proliferation
Epithelialization
Remodeling
Tricks of the trade

Chronic Wounds:

Chronic vs acute
What's wrong?
Age related healing
Absence of inflammation
Chronic inflammation
Physiology of the chronic wound
Nutritional aspects of wound healing

Pressure Ulcers:

Pathophysiology
Capillary closing pressure
NPUAP staging system
Suspected deep tissue injury
Stage one
Stage two
Stage three
Stage four
Unstageable
Risk assessment and tools
Prevalence/incidence
Avoidable vs unavoidable
Interventions based on risk assessment
Support surfaces

Venous Disease (CVI)

Incidence and etiology
Signs/symptoms of venous disease
Appearance and characteristics of a venous ulcer
Venous refill times
Screening for CVI
CEAP classification
Nonsurgical treatments
ABI/TBI
Compression
Surgical interventions

Arterial Disease:

Etiology
Comorbidities
Signs/symptoms of arterial disease
Appearance/characteristics of an arterial ulcer
Misdiagnosis/don't be fooled
Arterial studies
Effects/causes of tissue ischemia
Minimally invasive procedures
Surgical alternatives

Diabetic/Neuropathic Ulcers

Causes of foot ulceration
Assessment of loss of protective sensation
Characteristics of a diabetic foot ulcer
Managing the diabetic foot
Patient education
Optimize healing
Wagner diabetic ulcer classification
Intervention based on grades
Infection
Osteolysis/ Charcot foot
Total contact casting
Off loading
Helpful modalities

Assessment of Bacterial Burden

Infected, contaminated, colonized
Signs of infection
Silent infection
Quantitative tissue biopsy
Types of wound cultures
How to properly clean a wound

The Complete Wound Assessment

ID type of wound
How to measure
Describe wound bed and edges
Drainage
Surrounding skin
Edema
Pain/VAS
Optimal wound healing requirements

The Importance of Differential Diagnosis

Are you sure that's a venous stasis ulcer?
Pyoderma gangrenosum
Hidradenitis suppurativa
Eczema/dermatitis
Psoriasis
Scleroderma
Suspicious lesions
Kaposi's sarcoma
Basal cell carcinoma
Squamous cell carcinoma
Necrobiosis lipodica diabetorum
Candidiasis
Impetigo
Herpes zoster (shingles)
Systemic lupus
Discoid lupus
Pemphigus
Vasculitis
Raynaud's disease

The Ideal Dressing: Selecting Protection and Support

Dressing types
Indications/ contraindications
The science of silver
Minimum bactericidal concentration
Cadexomer iodine
Topical antimicrobials

Therapeutic Modalities to Stimulate Healing

Ultrasound, high and low frequency
Pulsed lavage
High volt pulsed galvanic electric stim
Monochromatic infrared
Diathermy
Topical and hyperbaric oxygen
Wound vac

FREE BONUS OFFER!

Spanish for
HealthCare
Flashcards



ACCESS THESE PRINTABLE TOOLS AT
pesihc.com/SpanishFlashCards

Group Training
Solutions Made Easy!

- ONLINE or in-person
- Customizable
- Easy remote access
- From 5 to 5000
- CE hours available



www.pesirehab.com/inhouse

NON-PROFIT
ORGANIZATION
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 32729

PESI Rehab
P.O. Box 1000
Eau Claire, WI 54702-1000
A division of PESI, Inc.

Join live or learn on your own schedule!

A Multidisciplinary Approach to Wound Healing for Rehab Professionals



Live Interactive Webinar
Monday, March 20, 2023

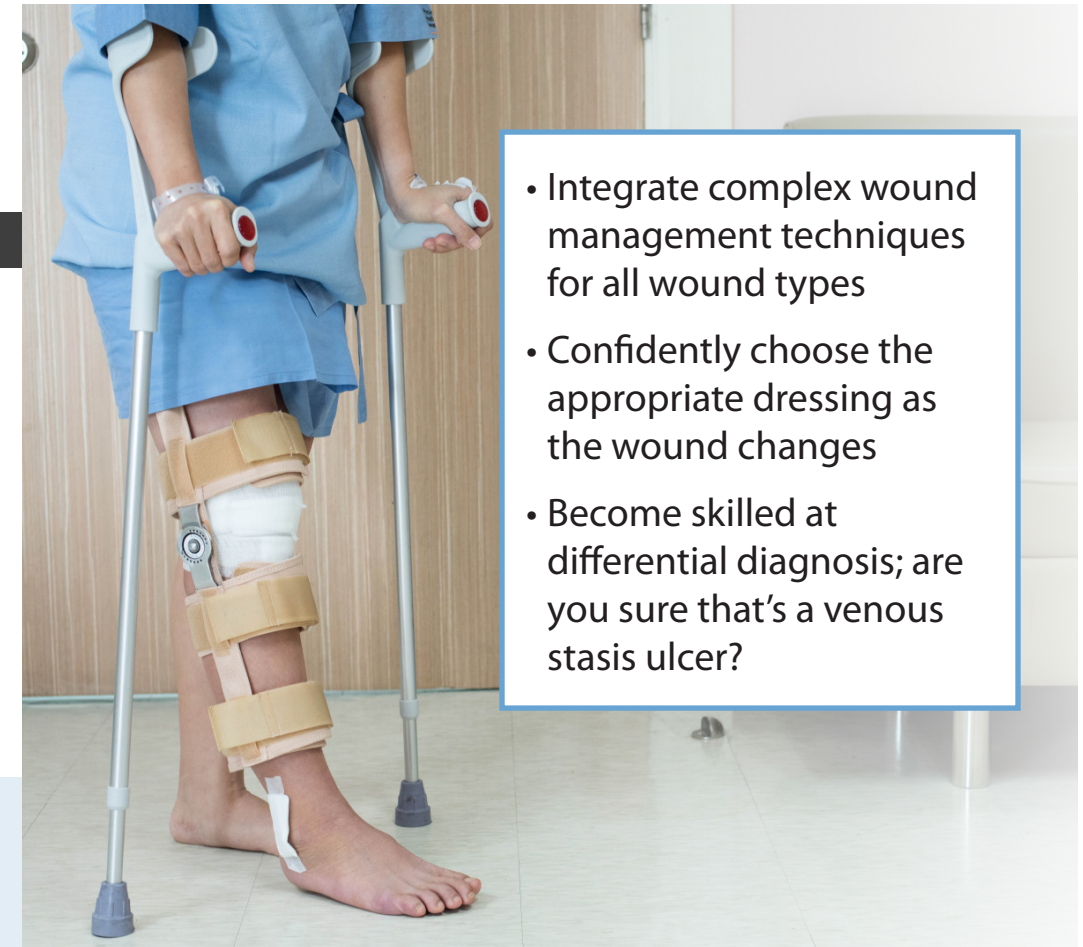
BONUS! – Registration includes FREE on-demand access for 3 months.



REGISTER NOW: pesirehab.com/webcast/88399

Join live or learn on your own schedule!

A Multidisciplinary Approach to Wound Healing for Rehab Professionals



- Integrate complex wound management techniques for all wound types
- Confidently choose the appropriate dressing as the wound changes
- Become skilled at differential diagnosis; are you sure that's a venous stasis ulcer?

Live Interactive Webinar
Monday, March 20, 2023

BONUS! – Registration includes FREE on-demand access for 3 months.



REGISTER NOW: pesirehab.com/webcast/88399

A NON-PROFIT ORGANIZATION CONNECTING KNOWLEDGE WITH NEED SINCE 1979

A Multidisciplinary Approach to Wound Healing for Rehab Professionals

Wounds typically heal in a predictable manner, but when progress unexpectedly comes to a halt it can be challenging to identify the next treatment step. With the risk of spreading infection, sepsis, amputation and even death, chronic wound care is a high stakes arena for rehab professionals that requires a very specialized skillset. After over 36 years in the field, I'm going to share my tried-and-true tricks of the trade for restoring and accelerating tissue healing.

You'll explore a specialized method to address chronic wounds that's filled with advanced healing strategies:

- Feel confident as you choose the most appropriate dressing
- Explore in depth demonstrations for Doppler use, ABIs, and wrapping techniques
- Create a comprehensive wound care plan
- Skillfully determine which modality to use and when
- **Restimulate the appropriate metabolic activity to promote healing**

By the end of this training, you will have new and evidence-based techniques that heal tough wounds, prevent amputation, and improve quality of life. Your expert knowledge of anatomy, tissue healing, movement and positioning will help to restore function faster than ever before and drastically improve patient outcomes. Join us for this interactive learning experience!

Objectives

1. Develop a thorough understanding of the anatomy and physiology of the integument.
2. Distinguish and eliminate the causes of stalled wound healing.
3. Investigate the pathophysiology of various wound origins.
4. Assess and accurately identify wound etiology.
5. Determine appropriate treatment options based on wound assessment.
6. Demonstrate confident performance of ABIs, compression wraps, and toe wraps.

Target Audience:

Physical Therapists
Physical Therapist Assistants
Physician Assistants • Nurses
Nursing Home Administrators
Occupational Therapists
Occupational Therapy Assistants

Live Webinar Schedule (Times listed in Central)

8:00 Program begins
12:00-1:00 Lunch Break
4:00 Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon).
Actual lunch and break start times are at the discretion of the speaker.
A more detailed schedule is available upon request.

PESI Offers Group Discounts! To save on groups of 5 or more, contact us at pesirehab.com/info/

Meet Your Speaker

Cheryl Aaron, PT, DPT, CWS®, has over 36 years of hands-on wound care experience in multiple clinical settings including private practice, acute, sub-acute, SNF, outpatient, and homecare venues. She is the owner of Advanced Wound Care Consultants, providing consultation, teaching, program development, survey readiness, and clinical competencies to the multidisciplinary wound care teams of homecare agencies, hospitals, nursing and physical therapy schools and other organizations, both locally and nationally. Dr Aaron is known for her lively, passionate delivery of her presentations with the latest evidence-based research and clinical guidelines. As a doctoral prepared physical therapist and nationally board Certified Wound Specialist® with the American Academy of Wound Management, she has a wealth of educational and work-related experience to draw from. Expect to take away valuable insight and information to optimize your clinical outcomes.

Speaker Disclosure:

Financial: Dr. Cheryl Aaron is the owner of Advanced Wound Care Consultants. She receives a speaking honorarium from PESI, Inc. She has no relevant financial relationships with ineligible organizations.

Non-financial: Dr. Cheryl Aaron has no relevant non-financial relationships.



Risk Free Purchase! PESI stands by our trainings and we have a 100% satisfaction guarantee. If you are not satisfied, please contact our customer service team at www.pesirehab.com/info/ or 800-726-3888 and we will make it right.

CE CREDITS AVAILABLE FOR LIVE WEBINAR

This continuing education activity is designed to meet state board requirements for the following professionals: **Nurses, Nursing Home Administrators, Occupational Therapists, Occupational Therapy Assistants, Physical Therapists, Physical Therapist Assistants, and Physician Assistants.**

For specific credit approvals, details, and planning committee disclosures, please see the "credit approvals and details" URL below. For speaker disclosures, please see speaker bios.

National CE Credit Approvals For Live Webinar
Credits listed are for full attendance at the live webinar only. The CE certificate can be downloaded/printed after completing the webinar, passing the online post-test (80% passing score), and completing the evaluation. Please see schedule for full attendance start and end times. NOTE: Boards do not allow credit for breaks or lunch.



PESI, Inc. is an AOTA Approved Provider of continuing education. Provider #: 3322. This activity has been submitted to AOTA for review. Approval pending. For the most up-to-date credit information, please go to: <https://rehab.pesi.com/events/detail/88399>.



PESI, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Nursing Home Administrators: This program has been submitted (but not yet approved) for 6.5 continuing education clock hours and 6.5 participant hours from NAB/NCERS. For the most up-to-date credit information, please go to: www.pesi.com/events/detail/88398.



PESI, Inc. is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation. Nurses in full attendance will earn 6.5 contact hours.

Self-study credit: To check availability for your profession, go to pesirehab.com or call 800-726-3888 with your licensing board to verify acceptance of self-study credit for license renewal.

*Content and materials in this course may include interventions and modalities that are beyond the authorized practice of your profession. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your profession's standards.

PESI, Inc. offers continuing education programs and products under the brand names PESI, PESI Healthcare, PESI Kids, PESI Rehab, PESI AU, PESI UK, and Psychotherapy Networker.

Earn up to **6.5 CE Hours** for one low price!

For all credit approvals and details, visit: www.pesirehab.com/webcast/88399

SIGN UP-TODAY!

Choose your Learning Experience!

PESI offers multiple formats to fit your CE needs

Register Online at: pesirehab.com/webcast/88399

Live Interactive Webinar (Option 1)

March 20, 2023 PWZ88398

\$219.99 tuition

8am Central time

Live Webinar Experience:

- Participate live in real-time while connecting and collaborating with peers
- Ask the presenter your questions
- Earn a live CE certificate

FREE BONUS: Replay on-demand access for 90-days after webinar

*Live CE is only available when viewed live

Get a Group Discount! Contact us at pesirehab.com/info/ to save for groups of 5 or more

On-Demand Digital Seminar (Option 2)

\$219.99 POS065194

Digital Seminar Experience:

- Learn at your own pace with 24/7 access from your PESI account
 - Access to the program materials
 - Enjoy lifetime on-demand access
 - Earn a self-study CE certificate
- CE hours and approvals may vary from live event. Visit pesirehab.com or call 800-726-3888 to check for availability.

DVD (Option 3)

\$219.99 RNV065194

DVD Experience:

- Self-study CE certificate available
- CE hours, approvals and cost of CE Certificates may vary from live event. Visit pesirehab.com or call 800-726-3888 to check for availability and pricing

OTHER WAYS TO REGISTER

Phone: 800-726-3888

Fax: 800-554-9775

Mail: PESI Rehab
PO Box 1000
Eau Claire, WI 54702-1000

*If mailing/faxing registration, find form at www.pesi.com/form or call 800-726-3888

ADA NEEDS

We would be happy to accommodate your ADA needs; Please notify us at time of registration.

QUESTIONS

Visit pesirehab.com/faq or contact us at pesirehab.com/info/

TAXES AND SHIPPING

Taxes and shipping apply where applicable, see website for details



Questions?

Visit our FAQ page at pesirehab.com/faq or contact us at pesirehab.com/info/.

Have a seminar idea? A manuscript to publish? The nation's top speakers and authors contact PESI first. If you are interested in becoming a speaker or have a new topic idea, please contact **Celestee Roufs** at croufs@pesi.com or call 715-855-5229.