

# WOUNDCON<sup>®</sup>

## SPRING 2022 ON-DEMAND



# WOUNDCON SPRING 2022 ON-DEMAND SYLLABUS

# WOUNDCON®

## SPRING 2022 ON-DEMAND

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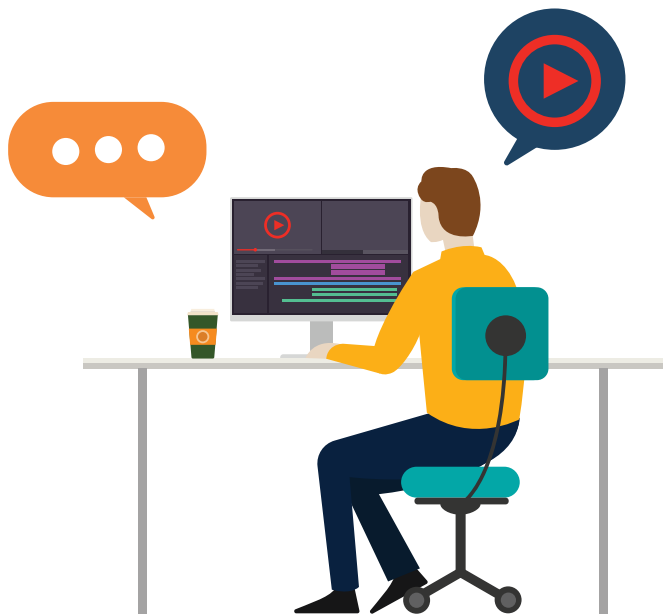
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## About WoundCon Spring 2022

### INTENDED LEARNERS

This conference is designed for physicians, nurses, physical therapists, podiatrists and dietitians across all practice settings involved in the prevention, treatment and management of patients with wounds.

### LEARNING OBJECTIVES

After completing this activity, participants should be able to:

- Identify current evidence-based concepts in wound management
- Apply essential elements of wound management in a variety of patient settings
- Explore the evidence base behind wound management interventions

### ACTIVITY OVERVIEW

This interactive educational conference occurred virtually on March 11, 2022.

This enduring material will be available for on-demand access following the virtual conference.

### HOW TO CLAIM CREDIT

**The credit claiming portal and login credentials for registered attendees can be found on the WoundCon platform.**

**Credits can be claimed for the live broadcast until May 11, 2022. After this date, only on-demand credit will be available. On-demand credit will be available for 60 days after the expiration of your access to on-demand content.**

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## SPRING 2022 ON-DEMAND

## Speakers

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### SPEAKERS



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**Gary Sibbald, BSc, MD, FRCPC (med, Derm), MACP, FAAD, Med, FAPWCA, D.Sc (Hons)**  
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## SPRING 2022 ON-DEMAND

## Accreditation



### WOUNDCON SPRING 2022 ACCREDITATION INFORMATION

In support of improving patient care, HMP Education 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 healthcare team.

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Dot Weir, RN, CWON, CWS: Speakers Bureau – 3M/KCI

No other faculty, planner, or staff has disclosed a relevant financial relationship with an ineligible company (commercial interest).

## Session Abstracts

### PEDIATRIC BURNS AND WOUND CARE

*Paul M. Glat, MD, FACS*

Burns are a major public health concern, with injuries ranging from mild to life-threatening. Although they share similarities with any wound a clinician might treat, burns also present unique challenges.

This session will:

- Review real-world case studies
- Identify key elements for caring for burn patients
- Identify challenges unique to burn care

### DRESSED TO THE NINES — CALCIUM ALGINATE TOP TIPS

*Catherine T. Milne, APRN, MSN, ANP/ACNS-BC, CWOCN-AP*

Alginate wound dressings are non-woven, non-adhesive pads and ribbons composed of natural polysaccharide fibers or xerogel derived from seaweed. On contact with exudate, these dressings form a moist gel through a process of ion exchange.

First in the Deep Dive into Dressings series, this session will:

- Provide a case-based examination of the wound types best suited for the use of calcium alginates.
- Provide tips and tricks to optimize their effectiveness.

### ON THE CUTTING EDGE: SURGICAL SITE INFECTION PREVENTION AND MANAGEMENT

*Karen Ousey, PhD, FRSB, RGN, FHEA, CMgr MCMI*

Surgical site infections (SSIs) are an ever-increasing phenomenon worldwide due to various factors. SSI morbidity and mortality are often significant, and their surgical or medical management is often complex. Improved guidelines and strategies for managing at-risk patients can support clinicians' efforts to reduce the risk of SSI development.

This session will:

- Highlight strategies for managing at-risk patients.
- Underscore the importance of wound management including frequent wound cleaning, appropriate dressings, dressing changes and patient education.

### LYMPHEDEMA FOR THE WOUND CARE PROVIDER

*Frank Aviles Jr., PT, CWS, FACCWS, CLT-LANA, ALM, AWCC, DAPWCA*

Many patients with chronic wounds will experience delayed wound healing due to fluid retention within damaged body tissues (edema). In some instances, this pathological state is initiated by a dysfunction in the lymphatic system resulting in lymphedema. Due to the adverse effects of tissue edema on wound healing, wound care professionals should understand how to accurately diagnose lymphedema and provide care for affected patients.

This session will provide information on patient-centric approaches to wound care in patients with lymphedema.

### VENOUS LEG ULCERS, MICRONIZED PURIFIED FLAVONOID FRACTION AND THE DATA

*M. Mark Melin, MD, FACS, RPVI, FACCWS*

Flavonoids are the most abundant bioactive compounds worldwide and are emerging as an important source of new wound healing therapies. Most wound healing medicinal plants possess multiple flavonoids that act synergistically or collectively. Flavonoids also have venotonic and lymphotonic properties and act on leukocytes and endothelium, resulting in decreased inflammation and permeability.

This session will:

- Provide a definition of flavonoids.
- Examine and evaluate published data related to the role of micronized purified flavonoid fractions (MPFF/diosmin/hesperidin) as part of standard of care for management of venous leg ulcers.

### **HEEL ULCERS, DIABETIC ULCERS OR PRESSURE INJURIES: WHAT'S IN A NAME?**

*Jayesh Shah, MD, MHA*

The establishment of a correct diagnosis is relative to established guidelines and reinforces all subsequent therapeutic activity. Complications can arise when nomenclatures overlap, as is the case with diabetic foot ulceration, heel ulceration and pressure injuries on the foot occurring in people with diabetes. In such cases, clinicians must ensure that patients receive a care plan that aligns both the wound causation and the underlying pathologic process. Patient care can then be optimized to include appropriate assessments, management, and general foot and skin care.

This session will:

- Identify the causative differences in foot ulcers
- Highlight the importance of underlying pathologic features when developing a care plan

### **EVIDENCE-BASED PREVENTION AND MANAGEMENT OF DIABETIC FOOT PROBLEMS**

*Andrew J.M. Boulton, MD, DSC (HON), FACP, FRCP*

According to data from the World Health Organization, lower extremity complications of diabetes are a top 10 contributor to the disability burden worldwide. Evidence suggests that adhering to evidence-based guidelines can significantly reduce the incidence of diabetes-related lower extremity complications.

This session will:

- Illustrate the importance of prompt and appropriate evidence-based management of diabetic foot ulcers, including local wound care.
- Review the use of mechanical offloading, treatment of infection and indications for revascularization.

### **THE ROLE OF HYPERBARIC OXYGEN IN PLASTIC SURGERY**

*Helen Gelly, MD, FACCWS, FUHM, UHM/ABPM*

Patients and clinicians are frequently confronted with wound complications after breast reconstruction, such as surgical site infections, seromas, wound dehiscence and wound necrosis. These complications have a diverse etiology; therefore, management necessitates a multifactorial approach.

This session will:

- Review common post-breast reconstruction complications.
- Provide decision-making guidelines for operative and nonoperative interventions, including the use of negative pressure wound therapy, acellular dermal dressings, advanced wound care dressings and hyperbaric oxygen therapy.

### **ARE YOU IN FOR A SHOCK? THE ROLE OF ELECTRICAL STIMULATION IN WOUND HEALING**

*Rose Hamm, PT, DPT, CWS, FACCWS*

Dubbed the endogenous "skin battery," the wound healing process is influenced by our skin's endogenous electric potential. In undamaged skin, a natural electrical potential of 10-60 mV exists between the epidermal and subepidermal layers. Conversely, transepithelial voltage fundamentally increases around a wound, producing a voltage difference between the wound site and the undamaged skin ranging from 100 to 150 mV/mm. These endogenous electrical fields play an essential role in wound healing, with resulting endogenous currents acting as a signal for cellular migration, which helps heal wounds. This phenomenon motivates exploration into the use of electrical stimulation (ES).

This session will:

- Explore the effects of ES on the cellular mechanisms of wound healing.
- Review the usefulness of ES in treating acute and chronic wounds.



### **UNDER PRESSURE — AVOIDING COMPLICATIONS WITH NEGATIVE PRESSURE WOUND THERAPY**

*Kara Couch, MS, CRNP, CWCN-AP, FAAWC*

Negative pressure wound therapy (NPWT) involves the application of local, subatmospheric pressure to a wound. It is widely used in skin defects, active infection and surgical reconstruction. Because NPWT is a valuable and dynamic tool in the treatment of many types of wounds, clinicians should have a heightened awareness of potential pitfalls that may impair its use.

This session will:

- Examine five pitfalls of NPWT use.
- Provide tips on how to avoid these pitfalls.

### **SURGICAL OFFLOADING FOR DIABETIC FOOT ULCERS**

*Alton R. Johnson Jr., DPM, FACPM, DABPM, CWSP*

When conservative offloading options have failed and patients are at risk of limb loss, surgical offloading may provide an option to decrease healing time, reduce recurrence rates, and remove or reduce deformities in the patient with diabetes.

In a case-based format, this session will:

- Delve into decision-making on when surgical intervention for the diabetic foot should be considered.
- Identify operative techniques for offloading ulcers.

### **PREOPERATIVE CARE OF THE OSTOMY PATIENT — PREVENTING STOMA-RELATED COMPLICATIONS**

*April Lumpkins, MSN, AGACNP-BC, CWOCN, CFCN*

An intestinal ostomy is an artificial bowel opening created on the skin. Complications of ostomy — including infection, parastomal abscess, hernia, dermatological conditions, stoma necrosis, stenosis, retraction and prolapse — negatively affect the quality of life of ostomates and can be associated with significant morbidity. Available data suggest that preoperative care and education by wound and ostomy therapists significantly reduce early stoma-related complications.

In contrast, a lack of preoperative care was found to be a significant risk factor for problematic stomas.

This session will:

- Identify common stoma-related complications.
- Provide approaches for preoperative care in patients undergoing ostomy surgery to reduce the burden of stoma-related complications.

### **ADIPOSE TISSUE TRANSPLANTATION AND ITS ROLE IN WOUND HEALING**

*Edward Gronet, MD*

Adipose tissue, once considered simple inert tissue functioning as insulation and energy storage, is now seen as one of the largest endocrine organs in the body, containing a variety of cell types, with potential applications for regenerative medicine. The adipose-derived stem cells found in fat grafts are hypothesized to aid in wound healing by means of differentiation into fibroblasts and keratinocytes and the release of pro-healing growth factors.

This session will:

- Review the properties of adipose tissue.
- Investigate the promising potential of autologous fat grafting in wound healing.

### **LET FOOD BE THY MEDICINE — IMPLICATIONS OF NUTRITION AND DFU MANAGEMENT CONSENSUS**

*Maritza Molina, RDN*

Nutrition is a critical component of the wound healing process but is not often the first thing clinicians consider when treating patients with a diabetic foot ulcer (DFU). In this context, good nutrition is a critical component of healing DFUs, particularly in relation to improving immune function, reducing malnutrition, improving glycemic control, and facilitating weight loss and weight maintenance.

This session will:

- Review the importance of nutrition in wound healing.
- Provide guidance on nutrition interventions in adults with DFUs.

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### THE WOUND BED PREPARATION PARADIGM

*R. Gary Sibbald, BSc, MD, FRCPC (Med, Derm), MACP, FAAD, MEd, FAPWCA, DSc (Hons)*

Wound bed preparation (WBP) is a well-established concept, and the TIME framework has been developed as a practical tool to assist practitioners when assessing and managing patients with wounds. WBP is a paradigm to optimize chronic wound treatment. This holistic approach examines treatment of the cause and patient-centered concerns to determine whether a wound is healable, a maintenance wound or nonhealing.

This session will:

- Review the concept of WBP.
- Provide key changes reflected in the 2021 update of the WBP paradigm designed to facilitate knowledge translation in the clinical setting and improve patient outcomes.

### A “WOUND” TO THE WISE — PRACTICAL TIPS AND TRICKS OF WOUND CARE

*See the Conference Agenda (page 8) for a full list of speakers.*

The “Wound” to the Wise segment will feature dynamic and short pearls of wisdom from each of the course faculty that will offer practical, digestible takeaways to help you optimize patient care. We invite you to actively be part of the WoundCon agenda as we roll out this new and exciting segment for all future WoundCons. Details are coming on how to join the fun and have your “Wound” to the Wise featured during an upcoming WoundCon event.