LIMB PRESERVATION:
Awaken the wound for proper healing with MEDIHONEY®.

Presenter:
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Agenda

- My Clinical Practice
- DFU Pathology
- Limb salvage and Limb preservation: Management vs. Healing
- Why I use MEDIHONEY®
- Case Review
- Application Tips & Pointers
- Q&A
My Clinical Practice

- Saint Vincent Hospital/RestorixHealth Wound Care Center, Worcester, MA
- A 321-bed acute care hospital
  - Named one of the nation’s 100 Top Hospitals® for the past 3 years by Truven Health Analytics, formerly Thomson Reuter
  - We see 190-200 patients/Wk Total
  - 4 HBO chambers--70 dives/Wk
- 2014 population of Worcester – 183,016 (*census.gov)
  - 11.7% 65 and older
- Center for excellence
- Every advanced therapy available is used
- We heal ‘unhealable wounds’
Diabetic Foot Ulcers – Pathology


- Diabetes mellitus
  - 26 million persons
  - 8% of U.S. population

- Peripheral Neuropathy
  - ~10-15 million
  - 40-60% of DM population

- Peripheral Arterial Disease (PAD)
  - ~15 million persons
  - 5% of U.S. population

- Critical Limb Ischemia (CLI)
  - ~1.5 million persons
  - ~0.5% of U.S. population

- Limb Loss
  - 80,000 Per Year
Editorial by Armstrong et al, 2007: Are diabetes-related wounds and amputations worse than cancer?

5 Year Mortality Percentages

- Pancreatic Cancer
- Lung Cancer
- Peripheral Arterial Disease
- Ischemic Ulcer
- Colon Cancer
- Amputation
- Neuropathic Ulcer
- Hodgkin's disease
- Breast Cancer
- Prostate Cancer
Limb Preservation: MANAGEMENT vs HEALING

Vicious Cycle - Resource Drain

DFU Management
Debridement
Infection Control

Break the wound management cycle

Diabetes

Heal the wound and make a difference

Infection
Vascular Impairment
Ulceration
Neuropathy
Awaken the wound for proper healing.
It's a chronic, chaotic nightmare in there!

- Co-morbid patient and conditions
- Confused wound environment - chronic wounds greatly differ from acute wounds
- External forces and pressure
Limb preservation and Limb Salvage

Use of multiple modalities to save limbs

- Debriders
- Moist wound healing
- Super absorbent dressings
- Antimicrobials
- HBO
- Wound VAC
- Regenerative Tissue
- Off-loading
Why MEDIHONEY!

Two key mechanisms of action calm the wound and support the autolytic debridement of devitalized tissue and healing:

**High Osmolarity:** MEDIHONEY’s high sugar/low water content creates an osmotic engine that incites fluid from deeper tissue to the wound surface.

**LOW pH:** 3.5-4.5 pH – it’s Acidic\(^1\) optimizing the wound healing conditions.

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WHY MEDIHONEY®?

- Clinically, from all of the reading I did, the concept intrigued me
- *Leptospermum* honey is the most studied species of plant effective for wound and burn management
- Rigorous sourcing and processing controls producing consistent +15 Manuka honey batch to batch
- Highest quality of gamma irradiation and sterilization techniques
- I see it work... time and time again

1. MEDIHONEY Reference List. DermaSciences.
Show Me the Evidence!

OVER 160 pieces of evidence demonstrating MEDIHONEY® as an effective product for promoting the removal of necrotic tissue and wound healing.¹

1. MEDIHONEY Reference List. DermaSciences.
Case Review
Case 1: A Threatening Diabetic Limb Ulcer

DAY 1 - 8/11/14

2/26/15
Case 1 cont’d. AMNIOEXCEL® and TCC-EZ® incorporated as well.

4/2/15

4/16/15
Case 1 cont’d
Case 1 cont’d

Mid May
HEALED!
Case 2: Charcot Non-healing Ulcer

First visit 2/27/15
Case 2: Charcot Non-healing Ulcer

3/30/15

4/9/15
Case 2: Charcot Non-healing Ulcer

4/30
CLOSED!
Case 3: Non-healing VLU

5.28.15

6.4.15
Case 3: Non-healing VLU

7.2.15

8.13.15
Case 3: Non-healing VLU

Mid sept 2015
CLOSED!
Case 4: Pyoderma Gangrenosum

8.21.13

9.10.14
Case 4: Pyoderma Gangrenosum

5/29 before

5/29 after
Case 4: Injection of 1ml of Amniomatrix®
Case 4: Pyoderma Gangrenosum

5/29

5/29
Case 4: Pyoderma Gangrenosum

Current photo. Ongoing case. Originally 12.6x10x0.3cm Now 10x5x0.2cm
Different Configurations to assist Wound Bed Preparation & Healing

- MEDIHONEY® Paste
- MEDIHONEY® Gel
- MEDIHONEY® HCS
- MEDIHONEY® Honeycolloid
- MEDIHONEY® Calcium Alginate
When to use and What to Expect Upon Application

When/What type of wound:
- Acute dehiscence = healing
- Eschar, Slough = debridement to granulation

What will MEDIHONEY® do: (Awaken the wound)
- Osmotic engine = Increases outflow of fluid liquefying non-viable tissue
- pH modulation = Low pH promotes acidic environment, creates pathway out of inflammatory phase, allows body to take over the healing

Contraindications:
- Known allergy or hypersensitivity to honey or alginate products if using the MEDIHONEY® Calcium Alginate
Product Tips & Pointers

MEDIHONEY® Gel:
- Thicker consistency, promotes autolytic debridement in timely fashion
- Use in conjunction with other modalities

MEDIHONEY® HCS:
- Comfortable “closing” dressing: Progressing the healing until epithelization is complete

MEDIHONEY® Calcium Alginate:
- Great absorption and continuous honey donation. Ideal for partial and full thickness, for gently packing into wounds
The goal of my clinical practice is to preserve limbs and heal wounds. My entire clinical team at St. Vincent’s — their dedication to patient care and the use of effective products such as MEDIHONEY® to awaken complex wounds stuck in vicious, nonhealing cycles — allows us to heal the unhealable. THANK YOU!
Questions?

Presenter: Anthony Tickner, DPM
St. Vincent Hospital/RestorixHealth
Wound Care Center

Click on Event Resources tab at left to download:
➢ Today’s Slides
➢ MEDIHONEY®, AMNIO®, and TCC-EZ® Brochures

For more information email: meetings@dermasciences.com