Little Patients, Big Outcomes – The use of MEDIHONEY® in treating pediatric wounds

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Agenda

- My clinical practice
- Why MEDIHONEY®? What can it do?
- A Review of Cases
- Impact on my practice
- Tips & Pointers
- Q&A
- Practice focuses solely on pediatric patients
  - Premature neonates in NICU – teenagers
- The only pediatric wound care center in Houston
- Pts are seen in 6 hospitals throughout Houston
- One outpatient clinic
- Over 800 pt encounters in 2013
Infections
Surgical Wounds
Pressure Ulcers
Trauma/Shear Injuries/Misc
IV Infiltrates
What is MEDIHONEY®

- Derived from the pollen and nectar of a specific *Leptospermum* species of plant in New Zealand
- Unique among all types of honey – maintains its effectiveness even in the presence of wound fluid
- Produced by Derma Sciences and controlled against a rigorous systems and standards in manufacturing and sterilization (No bee venom, No bacterial organisms)
Why MEDIHONEY®

- Shown in randomized controlled trial where the mean healing time was significantly faster for wounds treated with MEDIHONEY® impregnated dressings when compared to conventional dressings¹

- Two key mechanisms of action create an optimal environment for wound healing – High Osmolarity and Low pH

High Osmolarity and Low pH (3.5-4.5) of MEDIHONEY®

Slough, eschar, and elevated pH

- High osmolarity draws fluid from deeper tissues to the wound surface to help liquefy and remove dead tissue
- Low pH helps reduce the pH of the wound bed promoting a more acidic environment

Wound bed bathed and cleansed through autolytic debridement

Different Configurations to assist Wound Bed Preparation

- MEDIHONEY® Paste
- MEDIHONEY® Gel
- MEDIHONEY® HCS
- MEDIHONEY® Calcium Alginate
- MEDIHONEY® Honeycolloid
Cases and Outcomes
Case 1: Trauma to left lower leg

17 y/o WM with hx for hypoplastic left heart syndrome s/p multiple cardiac surgeries, protein losing enteropathy and chronic steroid use.

- Presents following jet ski accident. Trauma to the left lower leg.
- Had been followed by another adult wound care specialist and father transferred care over to my office. Unhappy with progress made with other physician.
Case 1: Trauma to left lower leg

- Treatment included daily application of MEDIHONEY® Gel and Calcium alginate. Compression wrap around the leg.

- Initially seen in the office 2-3x week.
Case 1: Trauma to left lower leg

Day 3

9/21/12
Case 1: Trauma to left lower leg

Day 15

10/3/12
Case 1: Trauma to left lower leg

Progression of healing over 15 Days
Case 1: Trauma to left lower leg
Case 2: IV Infiltrate

Day 1

- 7 day old 33 week Premie with severe IV infiltrate secondary to TPN/IL
- **MEDIHONEY®** gel and calcium alginate applied to wound daily to facilitate autolytic debridement of eschar
Case 2: IV Infiltrate

Day 3

Day 9
Case 2: IV Infiltrate

Day 10

Day 11

4-9-14

4-10-14
Case 2: IV Infiltrate

Day 17
Case 2: IV Infiltrate

Day 54
Case 2: IV Infiltrate

Progression over 2.5 weeks

8 weeks
Case 3 – Facial Wounds of unknown etiology

- Female, 15 yrs. developed severe right-sided facial cellulitis with vesicular and ulcerative lesions
- Wound bed was 100% slough or hyper-pigmented eschar. Tests revealed no clear etiology to explain the infection.
- Broad spectrum IV antibiotics.
- Wounds cleansed with normal saline/ sharp debridement
Case 3 – Facial Wounds of unknown etiology

Day 1
of wound care

- MEDIHONEY® HCS applied
Case 3 – Facial Wounds of unknown etiology

Day 4

- Autolytic debridement and healing in progress: 50% granulation/50% slough
Case 3 – Facial Wounds of unknown etiology

Progression over 1 month after presentation

11-8-12

12-7-12
Case 4 - Severe 2nd Degree Burn

- Healthy 10 y/o boy referred to the office for treatment and evaluation of a second degree burn of the left medial thigh. Injury occurred when hot soup spilled onto his abdomen and left leg.
- Mother unhappy with progress made after two months of treatment by surgery.
- Initiated MEDIHONEY® Gel and HCS
Case 4 - Severe 2nd Degree Burn

Day 1

Day 9

9/30/13

10-8-13
Case 4 - Severe 2nd Degree Burn

Day 16

Day 31

Healing progress 1 month after presentation
Impact to Practice

- MEDIHONEY® is a safe and highly effective wound care intervention
- Suitable for a variety of wounds
- Ease of application for hospital staff and family at home
- Cost-effective product
- Good healing outcomes in timely fashion
Some Tips and Pointers

- MEDIHONEY® Gel and Alginate combo for intimate contact and penetration
- When visualization is important – MEDIHONEY HCS
- MEDIHONEY® Paste to infiltrate deep wounds, crevices
- In my experience, my procedure is to monitor and replace the dressing daily
Thank you!

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