GUIDELINES FOR USAGE OF MEDICAL CHESTNUT HONEY WOUND CARE DRESSINGS

PREVAILED TISSUE / PROCESS IN THE WOUND

GOAL
- debridement
- cleaning
- antinfectious activity, also against MRSA and VRE
- odour reduction

MOST IMPORTANT MECHANISMS OF ACTION OF MEDICAL CHESTNUT HONEY
- enzymatic glucose oxidase (GOD) activates slow-release of low H₂O₂ concentration which triggers proteolytic debridement
- polyphenols and flavonoids ensure anti-inflammatory and antiinfectious effect
- instead of amino acids, bacteria use sugar from honey for their metabolism, resulting in the development of lactic acid rather than ammonia, amines and sulphur
- kynurenic acid destabilizes and prevents biotin formation

ACIDS IN HONEY ENSURE ACIDIC PH:
- discourage bacterial growth
- increase phagocytes activity

CHOICE OF DRESSING ACCORDING TO THE PROCESS IN THE WOUND

In wound treatment, one of the most important steps is debridement, which often needs to be repetitive. Honey offers continuous and repetitive debridement.

HIGH SUGAR CONTENT IN THE HONEY CAUSES OSMOSIS and CREATES MOIST ENVIRONMENT:
- enhances autolytical debridement, exhibits antinfectious effect, decreases oedema and inflammation
- increases tissue perfusion and supports moist wound environment

INDICATIONS
- diabetic foot ulcers
- pressure ulcers
- leg ulcers etc.

ACUTE WOUNDS:
- secondary healing wounds
- abrasions
- burns and radiation wounds
- surgical wounds etc.

PRECAUTIONS AND CONTRAINDICATIONS

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CHOICE OF DRESSING ACCORDING TO THE PROCESS IN THE WOUND

It is important to choose the dressing with the wound condition in mind. Dressings can, however, only achieve their best effect if patients are treated holistically and all the systemic and local factors influencing the wound healing are addressed.

For wounds with moderate to heavy exudate:
- ALGINATE DRESSING WITH MEDICAL CHESTNUT HONEY
- POLYURETHANE FOAM WITH MEDICAL CHESTNUT HONEY

For wounds with low to moderate exudate:
- POLYURETHANE FOAM WITH MEDICAL CHESTNUT HONEY

For wounds with low exudate:
- ALGINATE DRESSING WITH MEDICAL CHESTNUT HONEY
- TUBE WITH MEDICAL CHESTNUT HONEY

COMMENTS

In wound treatment, one of the most important steps is debridement, which often needs to be repetitive. Honey offers continuous and repetitive debridement.

Some patients report of the transient stinging feeling due to the osmotic effect of the honey. Pain management strategies include psychological preparation of the patient (explanation of osmotic effect of the honey) and some additional strategies for patients with painful wounds - for example, applying honey only on several small spots at the onset of the treatment and gradually increasing the amount, and/or pain medication as prescribed by the doctor.

In the presence of systemic infection or in immune compromised patients the specialist must consider systemic antibiotic therapy.

IF PAIN MANAGEMENT IS REQUIRED

In wound treatment, one of the most important steps is debridement, which often needs to be repetitive. Honey offers continuous and repetitive debridement.

RECOMMENDATIONS FOR SECONDARY DRESSING

Some patients report of the transient stinging feeling due to the osmotic effect of the honey. Pain management strategies include psychological preparation of the patient (explanation of osmotic effect of the honey) and some additional strategies for patients with painful wounds - for example, applying honey only on several small spots at the onset of the treatment and gradually increasing the amount, and/or pain medication as prescribed by the doctor.

Secondary dressing should be chosen according to several factors, like exudate, condition of the surrounding skin, patient’s mobility and comfort. Secondary dressing should not have any active components and should assist in maintaining moist environment. Most suitable secondary dressings are: polyurethane foams, non-woven dressings, island dressings, film dressings.

USE IN DIABETIC PATIENTS

Clinical study of Vivamel use for wound treatment in diabetic patients has shown that their local application does not affect the blood sugar level. Vivamel dressings are therefore also recommended for wound management in diabetic patients.

USE IN BABIES

Dressings are suitable for wound treatment in babies. The sterilization process destroys Clostridium botulinum spores, making Vivamel dressings safe for use in babies.