

THE 3rd INTERNATIONAL CONFERENCE ON THE MEDICINAL USE OF HONEYBEE PRODUCTS

Honey: "From Traditional To Modern Medicine"



PROGRAM & ABSTRACT BOOK



UNIVERSITI SAINS MALAYSIA



20-22 November 2013
Hasanuddin University,
Makassar, INDONESIA

Symposium 4

Syp4-01

TITLE: The Roles Of Honey In Diabetes Melitus**AUTHOR:** Prof. Dr. Sitti Amrah Sulaiman

Syp4-02

TITLE: Treatment Of The Lower Leg Ulcers With Honeydew Honey**AUTHOR:** Ing. Majtan Juraj PhD^{1,2}, Alexander Mayer³, Viliam Slezak⁴, Peter Takac¹, Juraj Olejnik³¹Institute of Zoology, Slovak Academy of Sciences, ²Department of Microbiology, Faculty of Medicine,³Department of Surgery, University Hospital and Faculty of Medicine, ⁴University Hospital of the Merciful Brothers, Bratislava, Slovakia

ABSTRACT: Honey is a popular natural product that is extensively used in the treatment of a broad spectrum of injuries, in particular chronic wounds. However, not all honeys exhibit equal antimicrobial potency and only a few of them meet the criteria for clinical usage.

The aim of the study was to show that fir honeydew honey produced in Slovakia has a strong potential to be another medical-grade honey. We evaluated clinical efficacy of sterilised honey in the treatment of the lower leg ulcers in 25 patients within period of 3, 6 and 9 weeks. In addition, we evaluated honey acceptability to patients in terms of pain and overall patient satisfaction.

We found that leg ulcers were completely healed after 6 weeks treatment with sterile honeydew honey in most patients. Honey reduced inflammation, pain and induration of affected region. Honey was well tolerate in most patients; however, two patients discontinued the participation in the study due to intolerance of honey treatment.

Based on our clinical data we believe that Slovak honeydew honey is an ideal and cheap antibacterial and wound healing agent that meets all attributes to become a medical-grade honey.

Symposium 5

Syp5-01

TITLE: Efficacy of Manuka Honey in Experimentally Induced Inflammatory Bowel Disease (IBD)**AUTHOR:** Prof. Dr. Bikash Medhi, MBBS, MD (AIIMS), MAMS, FIMSA

Syp5-02

TITLE: Exploring the antibacterial properties of honey and its potential**AUTHOR:** Kirnpal Kaur Banga Singh, Ph.D

Department of Medical Microbiology and Parasitology, School of Medical Sciences, Health Campus, Universiti Sains Malaysia, Malaysia.

ABSTRACT: The fact that honey possesses therapeutic potential including wound healing properties and antimicrobial activity is irrefutable. The antimicrobial activity has been effectively established against extensive spectrum of microorganisms; though depending on the type of honey, as floral source and bee type give variation in honey's antimicrobial potency. Since it is impossible to foretell a honey's potency without evidence-based, thus various honey and its related products were tested by *in-vivo* and *in-vitro* to demonstrate its antibacterial properties. Antibacterial activities against wound microorganisms were evaluated in comparison to current standard intervention used such as Manuka honey and silver-based