



Response of Chronic Venous Leg Ulcer Depth to Different Physical Therapy Modalities

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Abstract : Introduction: Ulcers are wounds or open sores that will not heal or keep returning. **Aims & Objectives:** Purpose of the study was to compare between the effects of Honey therapy and Negative pressure therapy on wound healing of lower limb venous ulcers. **Methodology:** Forty five patients who had lower limb venous ulcer and their ages ranged between 30to 40 years were included. Patients who suffered from diabetes, skin diseases, and sensory impairment, also patient with recent therapy with immunosuppressant were excluded. Subjects were randomly distributed into three groups A, B and C. Group A- received the Honey therapy, Group B- received the Negative Pressure therapy while Group C received only the usual care. Pre and Post ulcer depth (UUD) was recorded. **Results:** The results of this study showed that both Honey therapy and Negative pressure therapy were effective in enhancing healing of the lower limb venous ulcers as manifested by ultrasonography ulcer depth (UUD). The Honey therapy was more fruitful and significant in decreasing the UUD ($P < 0.0001$). **Conclusion:** It can be concluded from the present study that both the Honey therapy and the Negative pressure therapy are effective in enhancing healing of the wound in patients with ulcer in their lower limb as manifested by the highly decreased UUD. But Honey therapy is more effective than the Negative pressure therapy. **Key Words :** Honey therapy, Negative pressure, Ulcers, Ultrasonography.

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