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شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

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شبكة المعلومات الجامعية

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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بالرسالة صفحات لم ترد بالأصل

B ١٢٤٧٦

Honey Therapy Versus Ultraviolet Radiation in The Treatment of Pressure Ulcer

By

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B.Sc. in Physical Therapy

A Thesis
Submitted in partial Fulfillment of the Requirements of the Master Degree in PhysicalTherapy

Faculty of Physical Therapy
Cairo University

2004

بسم الله الرحمن الرحيم

" يخرج من بطونها شراب مختلف ألوانه فيه شفاء للناس"

صدق الله العظيم

الآية ٦٩ من سورة النحل

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Abstract

This study was conducted to compare the therapeutic efficacy of both honey therapy and ultra violet radiation in healing of pressure ulcers in patients with complete or incomplete spinal cord injury. At Yom El Mostatashfiat Rehabilitation Center and in-patients Departments of Neurosurgery Unit at Cairo University Hospitals. Forty five male patients suffering from pelvic pressure ulcers with complete or incomplete spinal cord injury participated in this study. Fifteen patients received honey therapy and regular wound care (group I), fifteen patients received ultra violet-c radiation and regular wound care (group II), and fifteen received traditional physical therapy and regular wound care. Evaluation of pressure ulcers was performing through measuring the wound surface are (WSA) and volume of pressure ulcers pre, post 7, post 14 and post 21 days bi tracing method and a syringe respectively. There was a significant difference between ultra violet-c and honey therapy groups before treatment regarding WSA, while there was no significant difference regarding the volume. There was non significant difference of the mean values of both WSA and volume after 7, 14 and 21 days from the initiation of treatment. But there was a percentage of improvement in favor of honey therapy. It has been concluded that the application of honey therapy was better than ultra violet-c radiation for treating and improving the rate of healing process of patients with complete or incomplete spinal cord injury and had pelvic pressure ulcers.

Key words: pressure ulcers, honey therapy, ultraviolet-C radiation.

Dedication

I would like to dedicate this work to
My Father, my Mother and to my Wife

Contents

List of Abbreviations

ADP	Adinosine Diphosphate
aw	Activity of Water
Å	Angstrom
BC	Before Christmas
C°	Degree Celsius
CaO	Calcium Oxide
CG	Control Group
Cm	Centimeter
Cm^2	Centimeter Square
Cm^3	Cubic Centimeter
C.T	Connective Tissue
DNA	Deoxyribonucleic Acid
D	Distances From the Source
E.C.M	Extracellular Matrix.
E	Illumination Intensity
El	Erythema Dose l
E2	Erythema Dose 2
E4	Erythema Dose 4
F°	Degree Fahrenheit
FGF	Fibroblast Growth Factor
Fig.	Figure
g	Gram
G	Group
H.M.F	Hydroxymethyl Furaldehyde
H_2O_2	Hydrogen Peroxide
HG	Honey Group