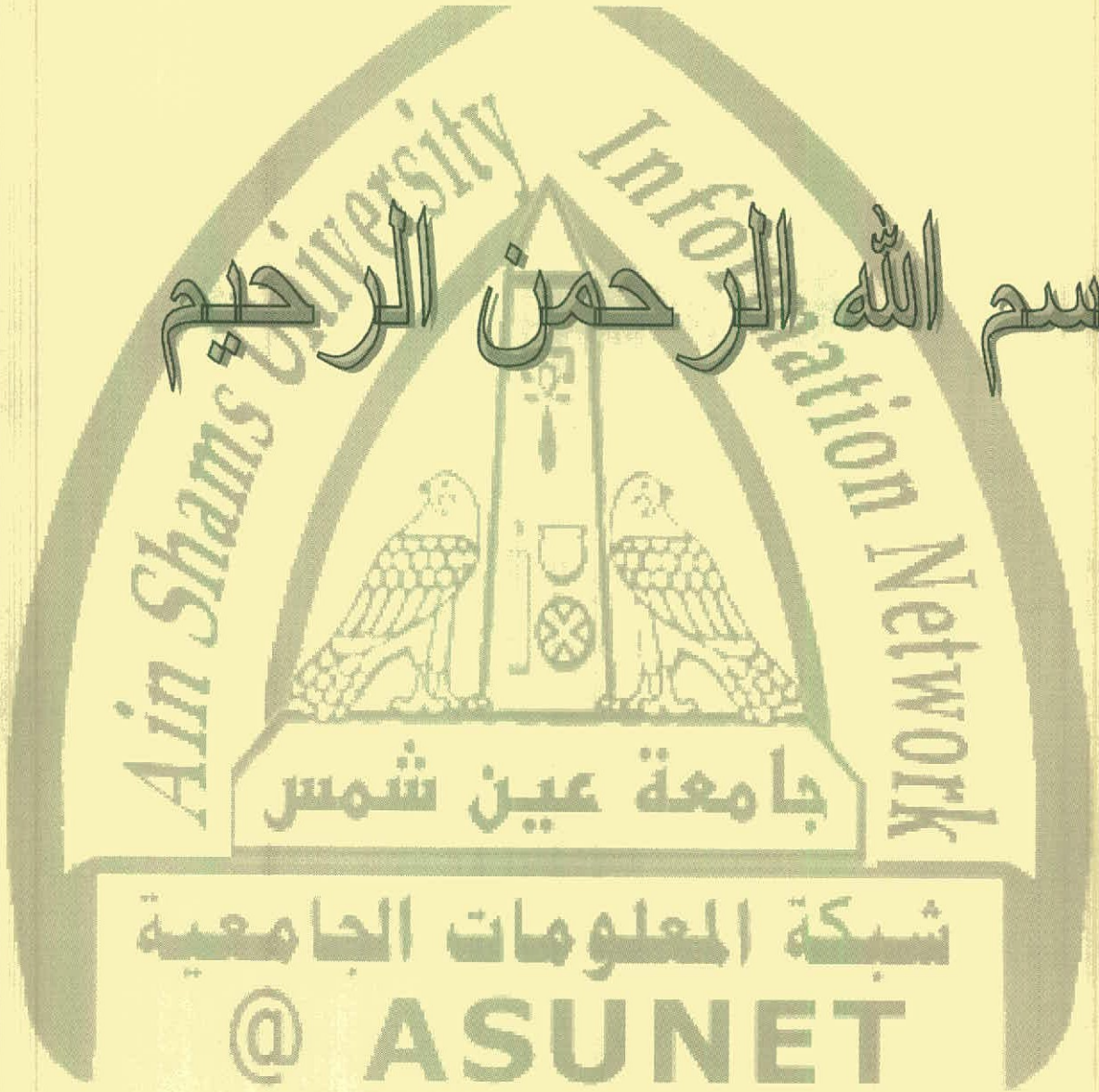
شبكة المعلومات الجامعية



بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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يجب أن

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بعض الوثائـــــــق الاصليـــــة تالفـــة

بالرسالة صفحات لم ترد بالاصل

Effect of Lidocaine Phonophoresis In Spasticity Modulation Of Spastic Hemiplegic Children

By

Wagdy William Amin

B.Sc., physical therapy, 2000

Department of Physical Therapy for Disturbances
of Growth and Development in Pediatrics and Its Surgeries

Thesis

For partial fulfillment of the requirements of
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Dedication

TO MY BELOVED

PARENTS,

MY SINCERE BROTHER

AND SISTER

Effect of lidocaine phonophoresis in spasticity modulation of spastic hemiplegic children/ Wagdy william amin; supervisors: prof. Dr. **EMAM HASSAN EL NEGMY**, Dr. **KHALAD AHMED OLMA**, Dr. **MARYAN YOSSERY FAHMY GERGUSS**, Faculty of Physical Therapy, Cairo Univeristy, Master Thesis

Abstract

Back ground: The purpose of study was to examine the effect of lidocaine phonophoresis in spasticity modulation of spastic hemiplegic child. Thirty spastic hemiplegic cerebral palsied children were assigned randomly into two equal groups. Subjects in study group (n = 15) received lidocaine phonophoresis in addition to traditional exercise program. Whereas subjects in control group (n =15) received therapeutic ultrasound, topical anaesthesia (lidocaine) and traditional exercise treatment. The following parameters including muscle tone and laboratory examination (3-D motion) were measured before and after three months of treatment. **Results:** there is significant improvement in the study group in comparison to control group. **Conclusion:** lidocaine phonophoresis is an effective additional tool to physical therapy program in treatment of hemiparetic C.P. children as it plays an important role in decreasing spasticity and improving patient gait pattern.

Key words: cerebral palsy, spasticity, 3-D measurement, lidocaine phonophoresis

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