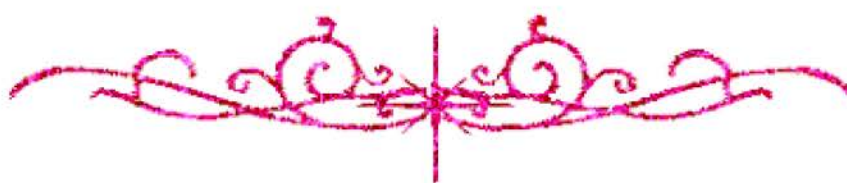


سامية محمد مصطفى



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

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بالرسالة صفحات لم ترد بالأصل



Cairo University
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Musculoskeletal Disorders and its surgery

Effect Of Exercise's Therapy On Dynamic Knee Stability
After ACL Reconstruction Using Two Different Surgical
Techniques(A comparative study)

By
Ibrahim Mohamed Abd El Rahman Ragab

B.Sc In Physical Therapy,Cairo University ,1995.

A Thesis Submitted in Partial Fulfillment of The
Requirements for The Degree Master of Science
In Physical Therapy

2004

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ACKNOWLEDGEMENTS

First and above all, I thank God for the unlimited help he grant us.

This dissertation is dedicated to my mother and my father. It is also dedicated to my wife and my daughter Esraa. Their patience, sacrifice, and support gave me the inspiration and perseverance to accomplish this endeavor.

I wish to express my very sincere gratitude and heartfull appreciation to **Dr. Bassem El Nahass** , professor of physical therapy , Faculty of Physical Therapy, Cairo university, for his sincere supervision and kind advices.

I also wish to express my gratitude and thanks to **Dr. Ahmed Abd El Aziz** , professor of orthopedic surgery, Faculty of Medicine, Cairo university, for his continuous guidance through all the stages of the work.

I also wish to express my gratitude and thanks to **Dr. Alaa Balba**, lecturer of physical therapy, Faculty of Physical Therapy, Cairo university, for his valuable advices.

I would like also to express my sincere thanks to **all members of the sports medicine center**, Ministry of Youth and Sports Nasr City, for their help and support.

**Effect Of Exercise's Therapy On Dynamic Knee Stability
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B.Sc. In Physical Therapy

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ABSTRACT

The purpose of this study was to investigate the functional performance profile that might occur in patients operated with bone patellar tendon bone (BPTB) or semitendinosus (ST) grafts for ACL deficient knees. Hence, knee stability and consequently patient's lower extremity performance ability could be assessed. An accelerated rehabilitation program concerning proprioceptive training exercises was applied for three months for 30 subjects then, the newly designed rating scale was applied afterwards. Scores of reconstructed knees compared with those of normal ones were taken and finally given the suitable grade. This scale differs from others as it includes many previously published variables that are affecting greatly knee dynamic stability, classifying them biomechanically and putting levels for evaluating patient's present functional performance which gives a prospective idea about what is needed to obtain the maximal knee stability at a long term. Results showed that most of patients obtained high scores, as there was no significant difference between both groups. As ten patients obtained "excellent" in (group A) where nine patients

obtained" excellent" in (group B), four patients obtained "good" in (group A) while three obtained "good" in (group B), and two patients obtained "Fair" in both groups.

It was concluded that dynamic knee stability isn't altered when applying bone patellar tendon bone or semitendinosus grafts. (*Key words = knee joint, ACL reconstruction, patellar tendon graft, semitendinosus graft, dyanamic stability*)

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