

127, 17 27, 17 (20) 77, 17 (20









جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأفلام قد اعدت دون آية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15-20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of 15 – 25c and relative humidity 20-40 %



ثبكة المعلومات الجامعية





Information Netw. " Shams Children Sha شبكة المعلومات الجامعية @ ASUNET بالرسالة صفحات لم ترد بالأص

Evaluation of Functional Results of the Arthroscopically Assisted Reconstruction of the Anterior Cruciate Ligament using Bone-Patellar Tendon- Bone Autograft.

A thesis in partial fulfillment for the requirements of medical doctorate degree in Orthopaedics.

Submitted by

Mohamed Ahmed M. Radwan

M.B., B.Ch. Suez Canal University
M.S. (orthopaedics) Suez Canal University

Supervisors

Prof. Dr. Adel Abd-El Hameid Ghoniem

Prof. of Orthopaedic Surgery Faculty of Medicine Suez Canal university

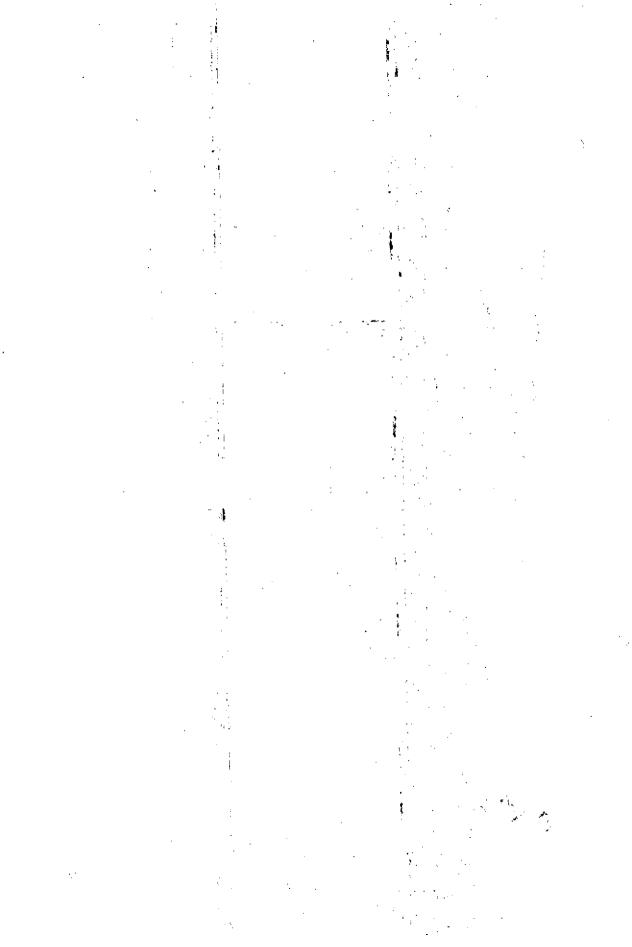
Prof. Dr. Mohamed Amr. M. Zada

Prof. of Orthopaedic Surgery Faculty of Medicine Suez Canal University

Dr. Mohamed El-Tabee El-Gritly

Ass. Prof. of Orthopaedic Surgery
Faculty of Medicine
Suez Canal University

B N1/0







DEDICATION

To The Spirit of My Father



ACKNOWLEDGMENT

First of all I would like thank Allah must gracious most merciful.

I would like to express my deepest appreciation ad gratefulness to my dear Prof. Dr. Adel Abd-El Hameid Ghoniem, professor of orthopaedic surgery, Faculty of Medicine, Suez Canal University for his help and support throughout the work. I really admire the effort he did to help me, and I will always be grateful to him.

My sincere gratitude is in due for Prof. Dr. Mohamed Amr Zada, professor of orthopaedic surgery, Faculty of Medicine, Suez Canal University for his unlimited assistance practically and morally. He helped a great deal in pushing me forward towards completion of his work.

I would like to express my deep gratitude and appreciation to Dr. Mohamed El-Tabee El-Gritly, assistant professor of orthopaedic surgery, Faculty of Medicine, Suez Canal University for his kind encouragement, supervision and constructive criticism.

I'm also deeply grateful to Dr. Adel Hamed, assistant professor of orthopaedic surgery, Faculty of Medicine, Al-Azhar University, for his cooperation and helping me in the fulfillment of the requirements of this research.

My deep appreciation and thanks for Prof. Dr. Ahmed Farag Sakr, professor of orthopaedic surgery, Faculty of Medicine, Suez Canal University, for his brotherly assistance and valuable advice.

-- m /

•

.

,

.

· .

ABSTRACT

The aim of this work is to analyze the results of the arthroscopically-assisted ACL technique by patellar tendon autograft with an accelerated post-operative rehabilitation program.

Between June 1999 and October 2002 a prospective study of 30 patient suffering from knee instability due to ACL injury was done in Suez Canal University hospital. The patients were 29 males and one female, with the age range of 18 and 33 years (average 25.5 years). One patient had an open ACL reconstruction of the contralateral knee joint two years earlier using BPTB autograft.

The follow-up continued until October 2002 with an average of 19.5 months period (range 12-30 months). Out of the 30 patients included in the study the results of 6 patients were deducted because they were lost to follow-up. The lysholm score improved from a preoperative average of 60.6 points to a postoperative mean of 92.8 points. All patients stated that their knees becomes better than before the operation. This study concluded that arthroscopic ACL reconstruction with bone-patellar tendon bone autograft with an accelerated postoperative rehabilitation program in young adults, leads to reasonable stability and good overall function of the knee joint.

CONTENTS

1 INTRODUCTION				P
)N			
2- AIM OF THE W				
3- REVIEW OF LI	- -			
• Piomoshani	of the ACL			
	cs of the ACL			
	ACL injuries			
Diagnosis of	of injury			
Diagnosis of Non approximation	ACL injury			
• Operative we	ve treatment of A(CL tears		
	ethods of ACL rec			
	aterials		A CONTRACTOR OF THE CONTRACTOR	
Open reconstru	uction of ACL using	patellar tendon		
• The surgical	technique of a	rthroscopically	assisted	ACL
reconstruction	using BPTB autogra	aft		
• Points of c	ontroversy in ar	throscopically	assisted	ACL
	5			7
• Complications	of ACL reconstruct	ion using bone-	patellar ter	ndon-
	utograft			
 Postoperative r 	ehabilitation after ar	throscopic ACI	. reconstru	ction 11
 Important aspe 	cts of rehabilitation			1^
4- PATIENTS AND	METHODS	9,		12
5- RESULTS				15
6- CASE PRESENT				1 /
7- DISCUSSION				17
8- SUMMARY & CO	ONCLUSION		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	19
9- APPENDIX				19
10- REFERENCES				20
11- ARABIC SUMM	ERY			20