

Physical Therapy Department for Musculoskeletal Disorder and Its Surgery

Master Degree
2004

Author	:	Ibrahim Mohamed Abd El Rahman Ragab.
Title	:	Effect of exercise's therapy on dynamic knee stability after ACL reconstruction using two different surgical techniques (A comparative study).
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	Bassem El Nahass.
	2.	Ahmed Abd El Aziz Ahmed.
	3.	Alaa Balba.
Degree	:	Master.
Year	:	2004.
Abstract	:	
<p>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 biomechanical 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.</p>		
Key words	1.	Knee joint.
	2.	ACL reconstruction.
	3.	patellar tendon graft.
	4.	Semitendinosus graft.
	5.	Dynamic stability.
Arabic Title Page	:	تأثير العلاج بالتمريعات على الثبات الديناميكي للركبة بعد اعادة بناء الرباط الصليبي الامامي باستخدام تقنيتين جراحيتين مختلفتين (دراسة مقارنة) .
Library register number	:	1066-1067.

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PHYSICAL THERAPY DEPARTMENT FOR MUSCULOSKELETAL
DISORDER AND ITS SURGERY
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

Author	:	Mona Ahmed Mohamed Mohamed.
Title	:	The effect of low level laser therapy versus transcutaneous electrical nerve stimulation on knee osteoarthritis.
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	Nadia Abd El Azim Fayeiz.
	2.	Samir El Sayed Selim.
	3.	Yehia Nasef Mohamed.
Degree	:	Master.
Year	:	2004.
Abstract	:	
This study was the first study to compare between the effect of low level laser therapy and transcutaneous electrical nerve stimulation (TENS) on the treatment of knee osteoarthritis , Methods : sample included in the study was thirty two patients , their age ranged between 45 - 65 year patients main affections were pain and impaired functional movement of the knee joint in form of decreasing 50 - foot walking time (15.24 meter). All the patients had osteoarthritis (OA).		
Key words	1.	Low level laser.
	2.	Laser therapy.
	3.	Transcutaneous Electrical Nerve Stimulation.
	4.	TENS.
	5.	Exercises of knee osteoarthritis.
	6.	Lasers.
Arabic Title Page	:	تأثير الليزر منخفض الشدة مقابل التنبيه الكهربائي العصبي على الالتهاب العظمي المفصلي للركبة.
Library register number	:	1070-1071.

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