

## Physical Therapy Department for Musculoskeletal Disorder and Its Surgery

Master Degree  
1994

Author	:	Farrag Gaber Abd El-Wahab Omar.
Title	:	Hand grip strength in relation to some anthropometric measurements of the upper extremity in normal individuals.
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	Ahmed Hassan Hussein.
	2.	Bassem G. El-Nahass.
Degree	:	Master.
Year	:	1994.
Abstract	:	Objectives of this study were to to determine stength in egyptian school children aged from 6 to 19 years and study its relationship to some anthropometric parameters. A sample of 1313 subjects (707) male and (606) female from Ain shams area, Cairo, Egypt, was measured under standardized position and instruction. Hand grip dynamometer was used to measure grip strength, measuring tape to measure anthropometric parameters, and volumetric measurement to measure hand size. results of this study revealed that grip strength increased with chronological age up to age group (18 – 19 years) in males and up to age group (17 -<18 years) in females. female had a reduced mean grip strength scores than males at all age groups, except age group ( 12-<13 years ) and differences sex significant at $p < .05$ were consedered by agy group (14 - < 15 years) . grip strength was related to an- thropometric parameters which were measured ( $p < .0001$ ) . egyptian mean grip strength scores in this study were much lower than that of american and australian studies could be related to socioeconomic factors. these findings supply the therepists who deal with hand with an idea about grip streghth in egyptian children, and suggest that anthropometric parameters must be taken in consederation while measuring or comparing grip strength with normal.
Key words	1.	Hand grip strength.
	2.	Anthropometric measurements.
	3.	Upper extremity.
	4.	Measurements.
Arabic Title Page	:	قوة قبضة اليد وعلاقتها ببعض القياسات الأنثروبومترية للطرف العلوى للأشخاص الأصحاء.
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PHYSICAL THERAPY DEPARTMENT FOR MUSCULOSKELETAL  
DISORDER AND ITS SURGERY  
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

Author	:	Hatem Hassan El-Sayed Rifai.
Title	:	Assessment of patellar alignment in normals and patients with patellofemoral joint dysfunction.
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	Ahmed Hassan Hussein.
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	3.	Ahmed Hassan Rizk.
Degree	:	Master.
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Key words	1.	patellar alignment.
	2.	patellofemoral joint dysfunction.
	3.	joint dysfunction.
Arabic Title Page	:	قياس اعتدال عظمة الردفة في الاصحاء ومرضى الخلل الوظيفي لمفصل عظمة الردفة مع اسفل الساق.
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PHYSICAL THERAPY DEPARTMENT FOR MUSCULOSKELETAL  
DISORDER AND ITS SURGERY  
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

Author	:	Sayed Hassan Kamel.
Title	:	Effect of exercise program on knee stability after anterior cruciate ligament injuries.
Dept.	:	Physical Therapy Department for musculoskeletal disorder and its Surgery.
Supervisors	1.	Ahmed Hassan Hussein.
	2.	Ahmed Abd El-Aziz Ahmed.
	3.	Bassem G. El-Nahass.
Degree	:	Master.
Year	:	1994.
Abstract	:	
<p>The anterior cruciate ligament (ACL) is the most frequently injured ligament in the knee joint, this may lead to excessive joint laxity, which in turn allows repeated injuries and progressive damage to the menisci and the articular surfaces. treatment alternatives for ACL injuries are still controversial. the purpose of this study was to evaluate the effect of knee exercise program on the stability of the knee joint after ACL Injury. Assessment of what was done using a newly designed functional rating scale. thirty subjects "male and female" With confirmed ACL injury whose age ranged between 18 and 35 years, were included in the study. each subject underwent six sessions of knee exercise program each week for three months duration. the exercise program was mainly for strengthening the hamstrings and the quadriceps muscles with dynamic joint control training and functional training. post treatment measures revealed that 50 percent rated excellent, 40 percent rated good, and 10 percent rated fair.</p>		
Key words	1.	Exercises.
	2.	knee stability
	3.	knee
	4.	Anterior cruciate ligament injuries.
	5.	injuries.
Arabic Title Page	:	تأثير برنامج تمارين على درجة ثبات مفصل الركبة في حالات إصابة الرباط الصليبي الأمامي.
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