

Department of Basic Science

Master Degree
1983

Author	:	Mohamed Yousri Abd El-Hamid El-Hefnawi.
Title	:	Heat and cold application as related to motor conduction velocity of median nerve in normal subject.
Dept.	:	Department of Basic Science.
Supervisors	1.	Emam Hassan El-Negamy.
Degree	:	Master.
Year	:	1983.
Abstract	:	
<p>The conduction velocity in ten subjects after application of deep heating were ranging from 58.33 and 66.96 m/sec, with a mean value of 64.28 m/sec . the mean difference between conduction velocity before and after head application was 4.10 m/sec. the mean percentage increase of conduction velocity 6.81% of control value and there was a marked reduction in motor conduction velocity of the median nerve . the conduction velocity in the ten normal volunteers after cold application was ranging between 51.39 m/sec. and 61.76 m/sec . with a mean value of 55.99 m/sec . the mean difference between conduction velocity before and after application was 3.99 m/sec . which represents 6.65% reduction of conduction after application .</p>		
Key words	1.	Heat application.
	2.	cold application.
	3.	motor conduction velocity.
	4.	median nerve.
	5.	Hydrotherapy.
Arabic Title Page	:	تأثير التسخين العميق والتبريد العميق على سرعة توصيل الألياف العصبية الحركية للعصب الكعبرى للأصحاء .
Library register number	:	175-176.