

## Physical Therapy Department of Surgery

### Master Degree 2000

<b>Author</b>	:	Zahra Ahmed Ahmed Farid El-Rewany .
<b>Title</b>	:	Physical therapy approaches to post mastectomy arm lymphoedema : A compartive study.
<b>Dept.</b>	:	Physical Therapy Department for Surgery.
<b>Supervisors</b>	1.	Adel Abd El Hamid Nossier.
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<b>Degree</b>	:	Master.
<b>Year</b>	:	2000.
<b>Abstract</b>	:	<p>The purpose of this study were focused around the following issues : to measure the effects of 3 various lines of treatment on shoulder pain and formation of edemaa with patients who had undergone mastectmies by using the objective measures .To gain a knowledge about the right way of management for these cases ( arm lymphedema ) . To assist in desiging the successful program to treat postmastectomy lymphedema . Forty woman with ages ranging from 35 to 55 years . They were suffering from arm lymphedema ( postmastecomy ) . Patients were classified randomly into 3 experimental group ( IMPC , HVPGC and Exercise package )and one placebo control group . The involved upper extremity was elevated by using pillows just above the level of the heart 30 during treatment . The edema formation was measured according to ( Wingate , 1985 ) , the pressure threshold was measured accoring to method of ( Fischer , 1994 ) . Were conducted befor the first session and after one and two month initiation of treatment application . The degree of oedema formationmild , moderate and severe according to ( Markowski etal .,1981 classification . Results of the study showed that there was a reduction in the size of arm lymphedema and improvement in the amount of shoulder pain after application of pneumatic mechanical compression or , high voltage pulsed gavanic current and or exercise therapy package with postmastectomy lymphoedema cases . There was a Correlation between decrease of the mean values of edema formation on the amount of shoulder pain after application of pneumatic mechanical compression or , high voltage pulsed galvanic current and or exercise therapy package with postmastectomy lymphoedema cases . There was a Correlation between decrease of the mean values of edwma formation on the lymphedematous arm aanndd increase of tthe mean values of pressure threshold onn the effected shoulder ( decrease shoulder pain ) .IMPC or HVPGC or Exercises package would provide the best controlling or reducing arm lymphedema post two months of treatment in patient with post modified radical mastectomy and improvement of function of upper extremities .</p>
<b>Key words</b>	1.	Physical therapy approaches.
	2.	post mastectomy.
	3.	arm lymphoedema.
<b>Arabic Title Page</b>	:	طرق العلاج الطبيعي للاستسقاء الليمفاوى للذراع بعد عملية استئصال الثدي : دراسة مقارنة.
<b>Library register number</b>	:	752-753.

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THERAPY DEPARTMENT OF SURGERY  
PREPARED BY NERVEEN ABD EL SALAM ABD EL KADER AHMED**

<b>Author</b>	:	<b>Mona Mohamed Talaat Abd El-Khalek.</b>
<b>Title</b>	:	<b>Effects of solcoseryl phonophoresis on burn wound healing in rats.</b>
<b>Dept.</b>	:	<b>Physical Therapy Department for Surgery.</b>
<b>Supervisors</b>	1.	<b>Adel Abd El Hamid Nossier.</b>
	2.	<b>Hany El-Sebaee El-Sayed.</b>
	3.	<b>Wafaa Hussien Borhan.</b>
<b>Degree</b>	:	<b>Master.</b>
<b>Year</b>	:	<b>2000.</b>
<b>Abstract</b>	:	
<p><b>This study was designed to compare the effects of solcosaryl (topical and phonophoresis approaches) on burn wound healing in rats . It included 40 albino rats with second degree burn wound in their left hind limb and were divided into two groups ; the first one received topical solcoseryl and the other one received solcoseryl phonophoresis . The parameter investigated involved burn surface area measured by tracing wound perimeter . The pre treatment results revealed no significant difference between the mean values of both groups , while after four weeks of treatment and post four weeks for both group with higher significant difference fore the solcoseryl phonophoresis . There for , it may be of value for physical therapist to consider solcoseryl phonophoresis as a method for treating burn patients .</b></p>		
<b>Key words</b>	1.	<b>solcoseryl phonophoresis.</b>
	2.	<b>burn wound healing.</b>
	3.	<b>rats.</b>
<b>Arabic Title Page</b>	:	<b>تأثير انتقال عقار السولكوسوريل عن طريق الموجات فوق صوتية على التأم الحروق في الفئران.</b>
<b>Library register number</b>	:	<b>754-755.</b>

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