

Physical Therapy Department of Surgery

**Master Degree
1999**

Author	:	Ahmed Khalil Ali Ibrahim.
Title	:	Pulsed versus continuous ultrasonic therapy in rat's burn healing.
Dept.	:	Physical Therapy Department for Surgery.
Supervisors	1.	Adel Abd El Hamid Nossier.
	2.	Akef Abd El Halim Khowailed.
	3.	Ibrahim El Sayed Abd El-Zaher.
Degree	:	Master.
Year	:	1999.
Abstract	:	
<p>The purpose of this study was to compare between the effect of pulsed and continuous ultrasonic therapy in rat's burn healing . Forty male albino rats with inflicted burn were divided randomly into three groups : one control group and two experimental groups . The burn wounds in the experimental groups were received either continuous or pulsed ultrasonic therapy ,1 MHz at an intensity of 0.5 w/cm² , for five minutes , three times a week , every other day , for three weeks , for pulsed mode , the pulse ratio was 1:4 and the pulse duration was set at 2 ms . Measurement of the burn surface area was conducted by tracing the burn wound perimeters ; 24 hours post the induced burn and at one week interval for three weeks . Student's t-test was used to compare between groups and paired t-test for follow up . Results of the study showed that there was significant difference between the pulsed and continuous ultrasonic therapy in the rate of burn healing in rats in the first two weeks after burn . It was concluded that ultrasonic therapy may be of value in accelerating the burn healing and the pulsed ultrasonic therapy is more effective in healing of rat's burn in the first two weeks than continuous ultrasonic therapy.</p>		
Key words	1.	pulsed ultrasonic.
	2.	Ultrasonic.
	3.	Rats.
	4.	Burns.
	5.	burn healing.
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Author	:	Evet Anwar Bekheet.
Title	:	Assessment of physical therapy services after open heart surgery.
Dept.	:	Physical Therapy Department for Surgery.
Supervisors	1.	Abd El Rahman Ali Rezk Chabara.
	2.	Adel Abd El Hamid Nossier.
	3.	Lotfy Mohamed Essa.
Degree	:	Master.
Year	:	1999.
Abstract	:	
<p>The purpose of this study was to assess physical therapy services for open heart surgery patients pre and postoperative . Sixty therapists were participated in this study from ten cardiac centers randomly chosen from Cairo cardiac center . The results emphasis on more attention must be directed to open heart surgery patients.</p>		
Key words	1.	Assessment.
	2.	services .
	3.	open heart.
	4.	Cardiology.
	5.	Heart.
	6.	Surgery- Heart.
Arabic Title Page	:	تقييم لخدمات العلاج الطبيعي التي تقدم لمرضى جراحات القلب المفتوح.
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