

Physical Therapy Department of Surgery

**Doctoral Degree
2002**

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Title	:	The role of ultrasonic therapy in controlling the hypertrophic scar
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Abstract	:	
<p>Abstract: The purpose of this study was to evaluate the maturity of hypertrophic scar in thermally burned patients following participation in program of ultrasonic therapy . sixty subjects, aged 20 to 30 years with hypertrophic scars participated in this study . the vascularity, pliability, height, volume of hypertrophic scars and range of motion of the joint affected by the scar was assessed before, after three months and after six months of initiation of the treatment using modified Vancouver burn scar assessment scale, dental impression material and standard goniometer . the non-significant improvement in continuous U.S group and the significant worsening of the scar in the pulsed ultrasonic group were recorded after participation in the therapeutic program of ultrasonic application . from the obtained results in this study, it can be concluded that, ultrasonic therapy is not a beneficial therapeutic modality for controlling hypertrophic scae .</p>		
Key words	1.	Ultrasound.
	2.	Burn.
	3.	hypertrophic scar.
	4.	physical therapy.
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