

## Physical Therapy Department of Surgery

Doctoral Degree  
1997

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Title	:	Pressure ulcers responses to high voltage pulsed current , ultrasonic and laser therapy.
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Abstract	:	
<p>The purpose of this study was conducted to compare in patient with spinal cord injury the effects of each HVPV , US and LILT on wound surface area and procollepeptide III concentration after 15 days and 30 days initiation of treatment . 45 male patients with either complete or incomplete spinal cord injury were participated in the study . They had pelvic pressure ulcers , ranged from grade II to grade IV The measurements of wound surface area and procollogen peptide III concentration were conducted before treatment and after 15 and 30 days. The results indicated There were no significant differences in wound surface area and procollogen peptide III concentration after 15 . Where there was a significant decrease in wound surface area and procollogen peptide III concentration between both HVPC and US groups and LILT group after 30 days initiation of treatment.</p>		
Key words	1.	physical therapy.
	2.	pressure ulcers.
	3.	Ulcers.
	4.	high voltage.
	5.	pulsed ultrasonic.
	6.	Ultrasonic.
	7.	Lasers.
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