Department of Basic Science

Doctoral Degree
1997

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Title	**:**	**Laser, electric stimulation and active exercises in prevention of muscle atrophy (histological study).**
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Abstract	**:**	
Exercises was the most effective treatment intervention as its efficacy was 70.04% . It showed the highest percentage of improvement which was 21.51% as it could preserve muscle fiber size from being atrophied and correct the atrophy from 30.71% to 9.21% . Electrical stimulation was the second effective treatment intervention as its efficacy was 41.12% . It showed the second percentage of improvement which was 12.63% as it could preserve muscle fiber size from being atrophied and correct the atrophy from 30.71% to 18.08% . Laser was the least effective treatment intervention as its efficacy was 33.47% . It showed the least percentage of improvement which was 10.28% as it could preserve muscle fiber size from being atrophied and correct the atrophy from 30.71% to 20.43% .		
Key words	**1.**	**Lasers.**
	2.	**electric stimulation.**
	3.	**Exercises.**
	4.	**Muscle atrophy.**
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