

// ()
 // , ,

*

:

() :
Intensity=1W/Cm2, Duty factor=20%)
 (() (Fr=3MHZ ,
 () ()

Silicon gel

011-0-0027 Sonostat 833

Visual Analogue Scale

Mann-Whitney U-test *Wilcoxon*

() () :

(P< /) Sham

(P< /) Sham

:

:

() " " (Plantar fasciitis)

tightness

(<)

()

()

AP & Lateral X-Ray

()

()

B A

B A

Stretching

(-)

()

) A

()

Intensity = 1W/Cm² , Duty factor = 20%

) B (Fr=3MHZ

(

011-0-0027 Sonostat 833

A

B

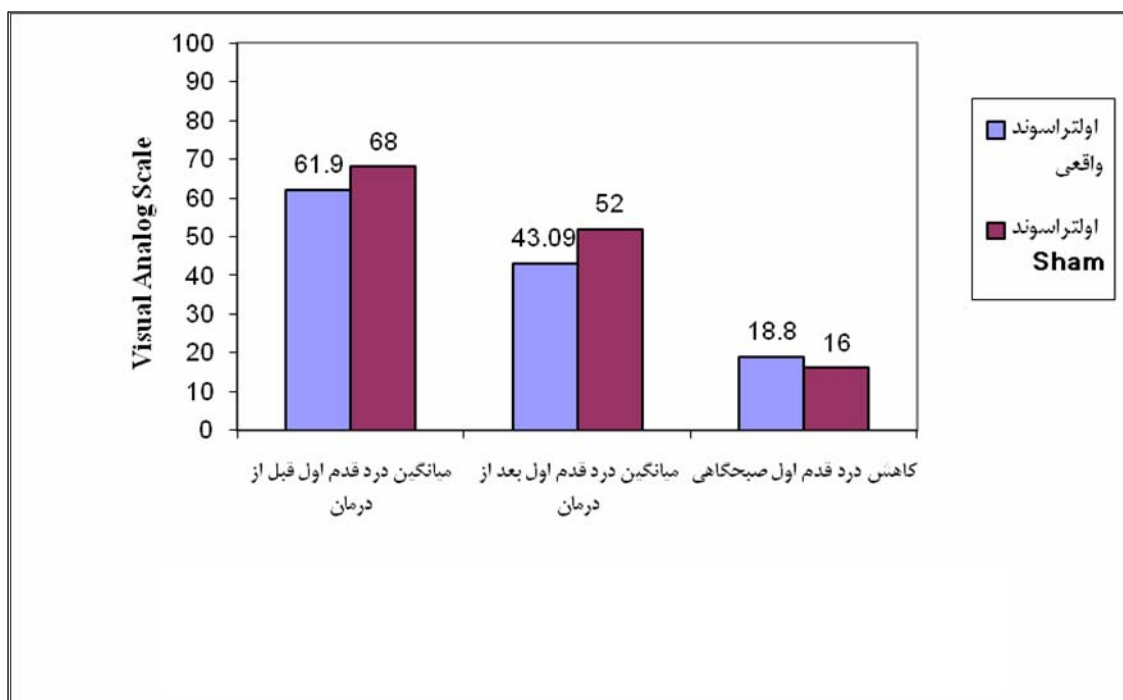
Visual Analogue Scale

FPI-6

Foot posture

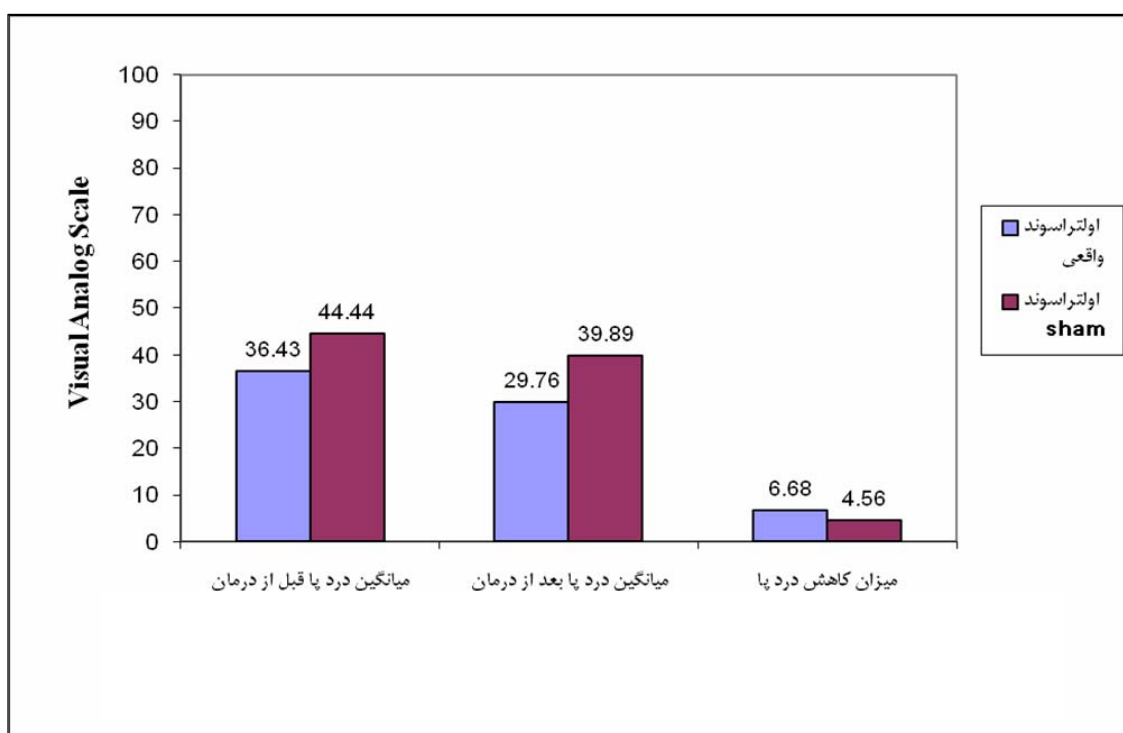
Visual Analogue Scale

Wilcoxon



visual analog scale Sham

-



visual analog scale sham

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/

(-)

, Intensity = 1W/Cm2 , Duty factor=20%
Fr =3MHZ

Double blind RCT
()
Snaith Crawford
Intensity=0.5W/Cm²

(P= /)

1W/Cm²

()

()

(

Quantitative FHSQ

Extracorporeal shock wave therapy (ESWT)

1.5 - 2 w/cm2

REFERENCES

1. Khan KM, Cook JL, Taunton JE, Bonar F. Overuse tendinosis, not tendonitis: a new Paradigm for a difficult clinical problem (part 1). *Phys Sports Med* 2000; 28: 38-48.
2. Young CC, Rutherford DS, Niedfeldt MW. Treatment of plantar fasciitis. *J American Family Medicine* 2001; 63(3): 23-55.
3. Braddom RL. *Physical Medicine and Rehabilitation*. USA: Saunders. 2007; PP: 464-67.

4. Falconer J, Hayes KW, Chang RW. Therapeutic ultrasound in the treatment of musculoskeletal conditions. *Arthritis Care Res* 1990; 3 :342-54.
5. Wyper DJ, McNiven DR, Donnely TJ. Therapeutic ultrasound and muscle blood flow. *Physiotherapy* 1978; 54: 321-2.
6. Maxwell L. Therapeutic ultrasound: its effects on the cellular and molecular mechanisms of inflammation and repair. *Physiotherapy* 1991; 78: 421-6.
7. Chapman IV. The effects of ultrasound on the potassium content of the thymocytes. *Radiol* 1974; 47: 411-5.
8. Crawford F, Snaith M. How effective is therapeutic ultrasound in the treatment of heel pain? *Ann Rheum Dis* 1996 55: 265-7.
9. Buchbinder R, Ptasznik R. Ultrasound - guided extracorporeal shock wave therapy for plantar fasciitis. *JAMA* 2002; 288(11): 1364-72.
10. Hyer CF, Vancourt R, Block A. Evaluation of ultrasound-guided extracorporeal shock wave therapy (ESWT) in the treatment of chronic plantar fasciitis. *J Foot Ankle Surg* 2005; 44(2): 137-43.
11. Sems A, Dimeff R, Iannotti JP. Extracorporeal shock wave therapy in the treatment of chronic tendinopathies. *J Am Acad orthop Surg* 2006; 14(4): 195-204.
12. HO C. Extracorporeal shock wave treatment for chronic plantar fasciitis (heel pain). *Issues Emery Health Technol* 2007; 96: 1-4.