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/ / :
/ / :

- - - -

()

(FDS)

(FDP)

(PIP)

A2

A2

Abanjan@razi.ac.ir Email :

- 2 - Proximal Inter Phalangeal
- 3 - Flexor digitorum profundus
- 4 - Flexor digitorum superficialis
- 5 - Annular pulleys



() .()

. () ()

1 - Logan et al , 2004
2 - Bollen , 1988 ; Holtzhausen , 1996





(/)

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.PIP

. DIP

. ()

. ()

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- 1 - Largiader and Oelz, 1990
 - 2 - Schafer et al, 1998
 - 3 - Holtzhausen & Noakes, 1996
 - 4 - Rooks et al, 1995



(p = /)

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A2

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(/ ± /)

(/ ± /)

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- 1 - Pfeifer et al, 2000
 - 2 - Logan et al, 2004, Holtzhausen 1996, Rooks 1995, Shea 1992, Bollen & Gunson 1990
 - 3 - Shea 1992
 - 4 - Logan et al 2004, Bollen and Gunson , 1990



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t () () ()

/		/		DIP
/		/		PIP
		/		PIP
/		/		FDP
/		/		FDS
/		/		A2
/		/		A2
/		/		
/		/		(LE)
/		/		(ME)
/		/		
/		/		Cuff
/		/		

/

(/)

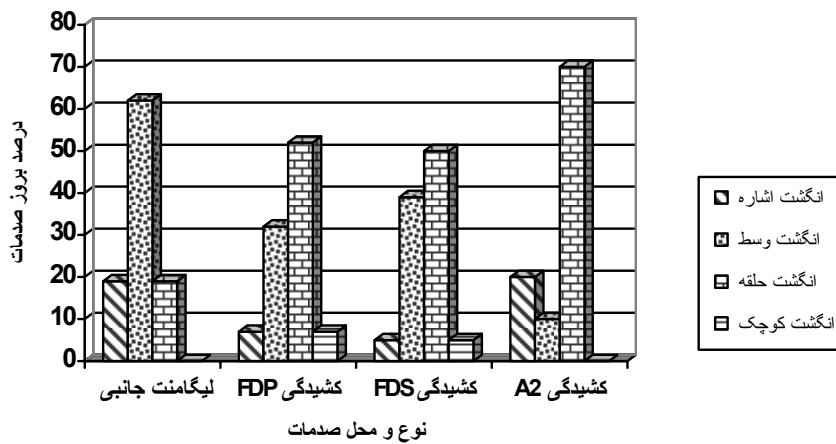
(/) (/) -

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(/) (/) (/)

.(/)

صدمات گزارش شده در انگشتان دست



(person's product moment)

FDS

.FDP

.PIP

Cuff

A2

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.(r = / p = /)

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t

.(t = / p = /)

(/)

(/)



(/)
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PIP

A2

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PIP

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FDS, FDP

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A2

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- 1 - Logan et al, 2004, Holtzhausn 1996, Rooks et al, 1995, Pfeifer et al, 2000, Rooks & Johnston 1995, Largiader & Oelz 1990, Shea 1992, Bollen & Gunson 1990
 - 2 - Bollen ,1990
 - 3 - Logan et al, 2004, Bollen & Gunson 1990

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1. Logan A J, Makwana N, Mason G and Dias J.(2004), "Acute hand wrist injuries in experienced rock climbers". *Br J Sports Med*, 38:PP: 545-548.
2. Bollen SR.(1988). "Soft tissue injury in extreme rock climbers". *Br J sports Med*, 22:PP: 145-7.
3. Bollen SR, Gunson CK. (1990). "Hand Injuries in competition climbers". *Br J Sport Med*, 24: PP:16-18.
4. Largiader U, Oelz O, 1993. "An analysis of overstrain injuries in rock climbing". *Schweiz Z sportmed. Sep. 41 (3): PP:107-14.*
5. Holtzhausen LM, Noakes TD.(1996). "Elbow, forearm, wrist, and hand injuries among sport rock climbers". *Clin J Sport Med*. 6:PP: 196-203.
6. Rooks MD, Johnston III RB, Ensor CD, et al.(1995)."Injury patterns in recreational rock climbers". *Am J Sport Med*. 23:PP: 683-5.
7. Scha KG, Shea OF, Meals RA. (1992). "Manual demands and consequences of rock climbing". *J Hand Surg (am)*, 17:PP: 200-5.
8. Schafer J, Gaulrapp H, Pforringer W. (1998). "Acute and chronic overuse injuries in extreme sport – climbing sportverletz sportschaden". *Mar. 12(1): PP:21-5.*
9. Carmeli E. Werthein M.(2001)."Hand injuries in young and old wall climber". *Deutsche zeitschrift f – r sportmedizin* 285. Jahrgang 52, Nr 10.

10. Pfeifer C, Messner K, Scherer R, Hochholzer T.(2000). "Injury pattern and overuse stress syndrome in young sport climbers". *Wien Klin Wochenschr.* Nov. 24, 112(22):PP: 965-72.