LETTER TO THE EDITOR

Benefits of Either Operative or Non-Operative Treatment for Perilunate Dislocation and Fracture Dislocations

Dear Editor

We read the article by Bagheri *et al* with great interest (1). We found the study interesting and comprehensive as four groups of patients, including operative and nonoperative in either pure dislocation or fracture dislocation, were compared in terms of Mayo wrist score, Grip strength, range of motion and radiographic parameters. It seems that the results were comparable

to studies by Capo, Chou, Laporte, Malovic, Kremer, Forli and Lutz (Table 1) (2-8).

In the studies listed above, all the patients were treated by operative fixation and none of them reported any experience with non-operative treatment (2-8). Their operative results are almost similar to Bagheri's operative results in which they demonstrated better outcomes in terms of motion and Mayo score than the

Authors	Year	Country	Op. vs. Non-op	No. of p	atients	Average F/U	Mayo score	PRWE score	DASH score	DJD	Arc of flex-ext	Grip strengtl
Bagheri <i>et al</i> (1)	2013	Iran	Non-op	PLD	5	70.32 m	71			2	98.1°	
			Non-op	PLFD	9	69 m	71.1			3	96.6°	
			Op.	PLD	6	62.4 m	85			3	101.66°	
			Op.	PLFD	14	65.4 m	87.7			4	109.28°	
Capo et al (2)	2012	NJ, USA	Op.	PLD	13	6 m<			40/100	13	86°	59%
			Op.	PLFD	12						78°	
Chou et al (3)	2012	Taiwan	Op.	PLFD	24	45 m	83				144°	84%
Laporte et al (4)	2012	France	Op.	PLD	6	26 m		41	24.6/55		101°	71%
			Op.	PLFD	11				24.0/33		101	
Malovic et al (5)	2011	Croatia	Op.	PLFD	43	29 m	87					
Kremer et al (6)	2010	Germany	Op.	PLD	9	66 m	70			20	77°	70%
			Op.	PLFD	30							
Forli et al (7)	2010	France	Op.	PLD	11	13 y	77	13		8	94°	87%
			Op.	PLFD	7	13 y	74	35		4	98°	87%
Lutz et al (8)	2009	Austeria	Op.	PLD	15	5 y	81.5	20.7				80-85%
			Op.	PLFD	10	5 y	82.7	27.7				

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non-operative counterpart.

In the current study by Bagheri *et al*, non-operative treatment is also discussed, which has little literature support so far (1). We wonder what the indications were leading the patient and the surgeon electing nonoperative treatment versus operative intervention. Since the outcomes of non-operative care were comparable to the operative outcomes, weighing the benefits of non surgical management may be an area of further investigation. The authors didn't describe the operative intervention in detail making comparisons with outer studies difficult. Therefore, we note the

need to compare different operative techniques in the literature to figure out which provide the most optimal outcomes and expedite patients' rehabilitation.

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