Variable	nt Instability After a Primary Glenohumeral Dislocation
	Categories
Occupation	Sedentary work or unemployed Light work
	Medium work
	Heavy work
	Very heavy work
Gender	Male
	Female
Age cohort	15 to 20 years
	21 to 25 years
	26 to 30 years
	31 to 35 years
Dislocation side	Left Right
Handedness	Left
	Right
Dislocation of dominant shoulder	Dominant
	Non-dominant
Injury mechanism	Fall from less than 2 meters
	Fall from more than 2 meters
	Sporting injury
	Motor vehicle accident Assault
	Seizure
	Other
Previous instability of other shoulder	Yes
Tronous motability of other choulder	No
History of dislocation in first degree relatives	Yes
,	No
Evidence of generalized ligamentous laxity	Beighton score of 4 or more (hyperlaxity) Beighton score less than 4
Medical comorbidity	Present
•	Absent
Compensation claim	Yes
	No
Level of risk of main sport played	Nil
	Non-contact/general fitness sports Contact or overhead sports
Level of participation in sport	Nil
	Occasional/social
	Regular amateur
	Professional
Return to sport at three months after the primary dislocation	Did not return to sports
	Played at reduced level
	Returned to full sports
Return to work or full activities of daily living at six weeks	Did not return Returned
According to the supplier of the street of	
Associated greater tuberosity fracture	Present Absent
Associated nerve palsy	Present Absent
Associated glenoid rim fracture	Present
•	Absent
Size of Hill-Sachs lesion	Berganeau Grade I
	Berganeau Grade II
	Berganeau Grade III

Had Operative Treatment for Recurrent Instability)* Measurement Total cohort **Nonoperatively** Operatively-treated P value (N=54)treated pts (Group I, pts (Group II, N=31) N=23)

0.9 (0.1 to 2.1)

TABLE E-2 The Functional Scores and Range of Shoulder Movement in the 54 Patients Who Underwent Assessment at Two Years After Dislocation (for Patients Who Had Not Had Recurrent Instability) or Instability Surgery (for Patients Who

Mean percentage deficit in WOSI score	30.6 (23.4 to 37.9)	31.6 (18.8 to 44.4)	29.9 (21.5 to 38.4)
Mean percentage deficit in DASH score	5.6 (3.8 to 7.4)	5.7 (2.6 to 8.7)	5.6 (3.4 to 7.8)

difference was significant (p < 0.05).

Flexion

Mean percentage deficit in range of motion compared with the contralateral shoulder **Abduction** 2.4 (1.1 to 3.7) 1.3 (0.1 to 2.8) 3.2 (1.3 to 5.1)

1.8 (0.5 to 3.1)

0.04†

0.83

0.97

0.14

0.17

2.5 (0.5 to 4.5)

External rotation (arm at side) 8.1 (4.5 to 11.6) 3.9 (0.2 to 7.6) 11.1 (5.7 to 16.5) External rotation (90° abduction) 6.1 (3.1 to 9.0) 3.1 (0.1 to 6.0) 8.3 (3.8 to 12.8) 0.07 Internal rotation (90° abduction) 6.5 (3.5 to 9.5) 4.6 (0.3 to 9.0) 7.9 (3.8 to 12.0) 0.29 *The mean WOSI (Western Ontario Shoulder Index) and DASH (Disabilities of the Arm, Shoulder and Hand) scores are expressed as a percentage deficit compared with normal function, whereas the mean ranges of shoulder movement are expressed as a percentage of the contralateral shoulder. The 95% confidence intervals are shown in parentheses. The p

values refer to the unpaired t test comparisons of the operatively treated and non-operatively treated groups. †The

Study	Age range (years)	Number of patients with recurrence	Number of patients with primary dislocation	Recurrence rate (percent)	Follow-up period (average in years)
McLaughlin and Cavallaro ¹ (1950)	Under 20	7	9	78	At least 6 months
	20 to 40	10	20	50	
Rowe ² (1956)	Under 20	47	57	83	4.8
	20 to 40	84	134	63	
Kazar and Relovszky ³⁸	Under 20	13	28	46	Not stated
(1969)	21 to 40	11	35	31	
Kiviluoto et al. ²⁶ (1980)	16 to 20	10	18	56	1
	21 to 30	9	35	26	
Yoneda et al. ²⁵ (1982)	Average 21.5	18	104	17	13
Henry and Genung ²⁸ (1982)	12 to 32	106	121	88	Not stated
Simonet and Cofield ³ (1984)	Under 20	21	32	66	4.6
	20 to 40	17	43	40	
Aronen and Regan ¹² (1984)	18 to 22	5	20	25	3
Wheeler et al. 11 (1989)	17 to 22	35	38	92	Minimum 1
Hoelen et al.4 (1990)	Under 30	35	55	64	4
Marans et al. ²⁹ 1992	Under 16	21	21	100	6.6
Vermeiren et al. ³¹ (1993)	Under 20	15	22	68	4.5
	21 to 30	13	28	46	
Arciero et al. ³² (1994)	18 to 21	12	15	80	2
Sandow and Liu ³⁵ (1996)	14 to 26	17	20	85	1.4
Hovelius et al.27 (1996)	12 to 40	118	247	48	10
Kirkley et al.8 (1999)	16 to 30	11	19	58	Minimum 2
Postacchini et al.30 (2000)	12 to 17	24	28	86	7.1
36					

6

18

12

12

31

32

20

14

43

1337

67

94

75

17

61

75

65

64

37

58

1.4

5.6

3

4

2.2

5.9

3.6

17 to 23

17 to 27

19 to 26

0 to 20 21 to 30

11 to 18

Under 30

Under 20

20 to 40

DeBerardino et al.36 (2001)

Chroustovsky et al.37 (2003)

Larrain et al.34 (2001)

Bottoni et al.³³ (2002)

Kralinger et al.5 (2002)

Deitch et al.⁶ (2003)

te Slaa et al. 39 (2003)

Total

4

17

9

2

19

24

13

9

16

772