

Supplementary article data

Surgical treatment of Rockwood grade-V acromioclavicular joint dislocations

50 patients followed for 15–22 years

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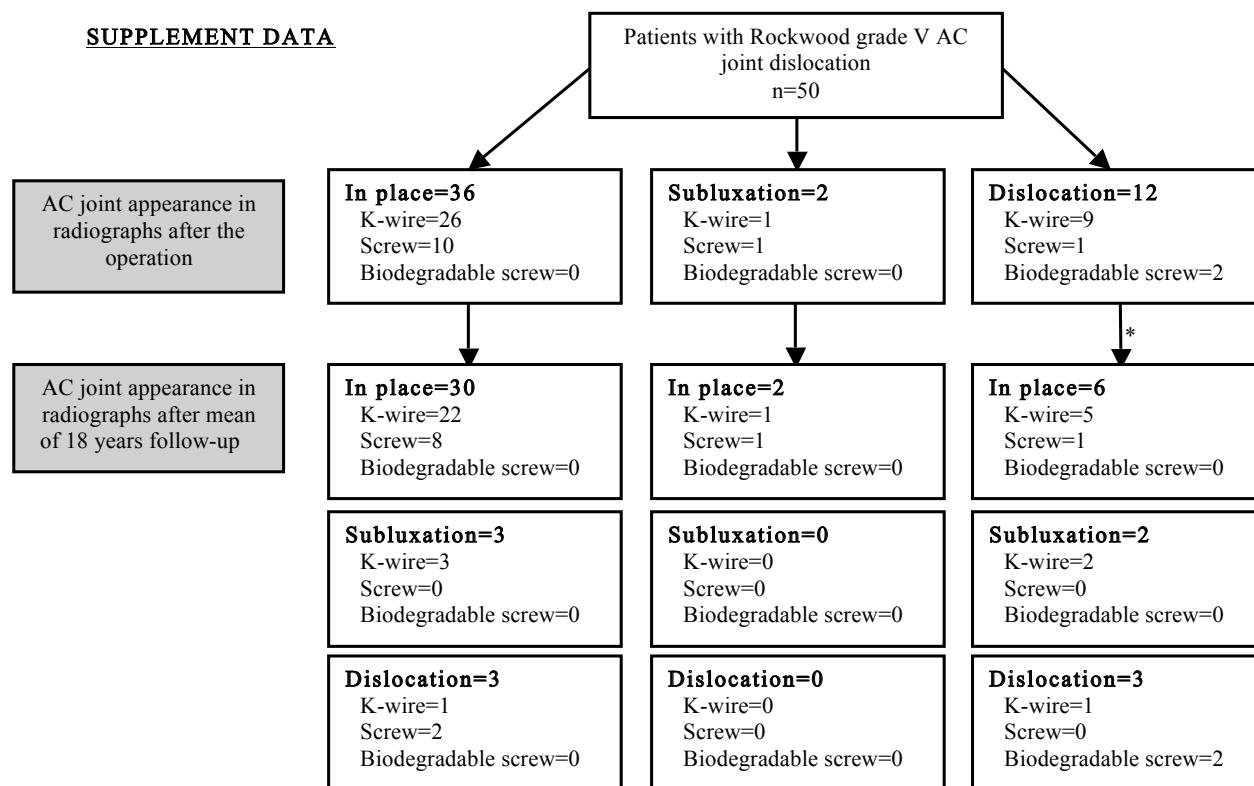


Figure. Flow chart demonstrating appearance of the AC joint in radiographs after surgery and at a mean of 18 years of follow-up.

* 1 patient refused radiography at the follow-up examination, leaving 49 patients. This patient had surgery with K-wires and had dislocation of the AC joint after K-wire removal. At follow-up examination, his AC joint was clinically unstable and had visibly moved upward.

In place: the reduction of the AC joint was anatomical in anteroposterior radiograph;

subluxation: the clavicle was in superior translation > half clavicle width, but < 1 clavicle width in anteroposterior radiograph;

dislocation: the clavicle was in superior translation \geq 1 clavicle width in anteroposterior radiograph.

Table 4. Functional, clinical, and radiographic results at a mean of 18 years of follow-up in 3 different subgroups depending on the appearance of the AC joint in the follow-up radiograph. 1 patient refused a radiological examination

	In place ^a (n = 38)	Subluxation ^a (n = 5)	Dislocation ^a (n = 6)	p-value
CS ^b , injured shoulder	91	86	89	0.05
CS ^b , uninjured shoulder	90	91	92	0.9
DASH ^c	5.3	6.6	3.1	0.08
SST ^d	11.4	11.2	11.5	0.4
VAS ^e at rest (0–100)	10	1	1	0.9
VAS ^e on activity (0–100)	19	14	20	0.3
Instability of AC joint	3	0	5	0.004
Cross-arm test positive	0	0	1	0.2
Impingement test positive	2	1	1	0.2
Acromioclavicular joint arthrosis				
injured joint	10	1	0	0.1
uninjured joint	8	0	3	
bilateral	5	0	0	
Glenohumeral joint arthrosis				
injured side	1	0	0	1.0
uninjured side	3	0	0	
bilateral	0	0	0	
Lateral clavicle osteolysis				
injured side	3	1	4	0.007
uninjured side	1	0	0	
bilateral	1	0	0	

^a See Figure legend for definitions.
^b CS = Constant shoulder Score
^c DASH = Disabilities of the Arm, Shoulder, and Hand
^d SST = Simple Shoulder Test
^e VAS = Visual analog Scale

Table 5. Functional, clinical and radiographic results at a mean of 18 years of follow-up

	Patients with no complications (n = 14)	Patients with early ^a complications (n = 18)	Patients with late ^b complications (n = 18)	All patients (n = 50)	p-value
CS, injured shoulder	92	89	94	90	0.7
CS, uninjured shoulder	94	84	90	90	0.9
DASH	4.2	6.6	4.2	5.1	0.4
SST	11.8	11.0	11.4	11.4	0.8
VAS at rest (0–100)	4	9	10	8	0.4
VAS at activity (0–100)	18	19	17	18	0.6
Instability of AC joint	2	3	3	8	1.0
Cross-arm test positive	0	1	0	1	1.0
Impingement test positive	1	2	1	4	1.0

^a Early complications: within 6 months postoperatively.
^b Late complications: at the follow-up examination.
AC: acromioclavicular.