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Table I Prevalence and comparison of MRI alterations in symptomatic vs. asymptomatic shoulders

MRI abnormalities	Radiologist		χ^2 or Fisher exact test	Shoulder surgeon		χ^2 or Fisher exact test
	Symptomatic shoulders (n = 123), n (%)	Asymptomatic shoulders (n = 123), n (%)		Symptomatic shoulders (n = 123), n (%)	Asymptomatic shoulders (n = 123), n (%)	
Rotator cuff tendinopathy	114 (92.7)	109 (88.6)	$\chi^2 = 0.76$, $P = .38$	92 (74.8)	89 (73.0)	$\chi^2 = 0.03$, $P = .85$
Partial-thickness tear	33 (26.8)	25 (20.3)	$\chi^2 = 1.10$, $P = .29$	38 (31.1)	27 (22.0)	$\chi^2 = 2.20$, $P = .13$
Full-thickness tear	7 (5.7)	1 (0.8)	$\chi^2 = 3.23$, $P = .06$	25 (20.5)	10 (8.1)	$\chi^2 = 6.66$, $P = .01$*
Subacromial fluid	67 (54.5)	69 (56.1)	$\chi^2 = 0.00$, $P = .95$	75 (61.0)	65 (52.8)	$\chi^2 = 1.34$, $P = .24$
AC joint alterations	113 (91.9)	110 (89.4)	$\chi^2 = 0.05$, $P = .80$	98 (79.7)	90 (73.2)	$\chi^2 = 1.10$, $P = .29$
Labrum alterations	54 (43.9)	51 (41.5)	$\chi^2 = 0.09$, $P = .75$	81 (66.4)	82 (67.2)	$\chi^2 = 0.00$, $P > .99$
LHB alterations	14 (11.4)	7 (5.7)	$\chi^2 = 1.82$, $P = .17$	16 (13.1)	15 (12.2)	$\chi^2 = 0.00$, $P = .98$
Fatty infiltration	25 (20.3)	23 (18.7)	$\chi^2 = 0.02$, $P = .87$	8 (6.5)	3 (2.4)	$\chi^2 = 1.52$, $P = .21$
SST atrophy	1 (0.8)	1 (0.8)	$\chi^2 = 0.00$, $P > .99$	4 (3.3)	1 (0.8)	$\chi^2 = 0.81$, $P = .37$
Humeral tuberosity cysts	16 (13.0)	17 (13.8)	$\chi^2 = 0.00$, $P > .99$	29 (23.6)	23 (18.9)	$\chi^2 = 0.56$, $P = .45$
Glenohumeral OA	2 (1.6)	1 (0.8)	$\chi^2 = 0.00$, $P > .99$	13 (10.7)	4 (3.3)	$\chi^2 = 4.11$, $P = .04$*
Acromial morphology						
Type I	9 (7.3)	14 (11.4)	$\chi^2 = 0.83$, $P = .36$	75 (61.0)	82 (66.7)	$\chi^2 = 0.63$, $P = .42$
Type II	88 (71.5)	87 (70.7)	$\chi^2 = 0.00$, $P > .99$	29 (23.6)	25 (20.3)	$\chi^2 = 0.21$, $P = .64$
Type III	15 (12.2)	14 (11.4)	$\chi^2 = 0.05$, $P = .81$	19 (15.4)	16 (13.0)	$\chi^2 = 0.13$, $P = .71$

MRI, magnetic resonance imaging; *AC*, acromioclavicular; *LHB*, long head of biceps; *SST*, supraspinatus muscle; *OA*, osteoarthritis.
* $P < .05$ when both sides were compared.

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