

**TABLE E-1 Preoperative Fatty Infiltration According to the Criteria of Goutallier et al.<sup>5</sup>**

Staging	Infraspinatus		Subscapularis	
<b>Stage 0: No fatty infiltration</b>	8 cases (11%)	<b>39 cases (54%)</b>	6 cases (8%)	<b>63 cases (88%)</b>
<b>Stage 1: Few fat traces</b>	10 cases (14%)		34 cases (47%)	
<b>Stage 2: Quantity of fat &lt; muscle</b>	21 cases (29%)		23 cases (32%)	
<b>Stage 3: Quantity of fat = muscle</b>	16 cases (22%)	<b>33 cases (46%)</b>	6 cases (8%)	<b>9 cases (13%)</b>
<b>Stage 4: Quantity of fat &gt; muscle</b>	17 cases (24%)		3 cases (5%)	

**TABLE E-2 Comparison of the Tenotomy and Tenodesis Groups**

	<b>Tenotomy</b>	<b>Tenodesis</b>	<b>P</b>
<b>Number of cases</b>	45	37	
<b>Patients lost to follow-up (N)</b>	4	3	ns
<b>Patients died (N)</b>	2	1	ns
<b>Patients reviewed (N)</b>	39	33	ns
<b>Age at surgery (years)</b>	73.1±6.2	69.8±6.4	0.03
<b>Male (N [%])</b>	9 (23.1%)	19 (57.6%)	0.004
<b>Dominant side (N [%])</b>	36 (92.3%)	27 (81.8%)	ns
<b>Activity (important) (N [%])</b>	9 (23.1%)	13 (39.4%)	ns
<b>Preoperative trauma (N [%])</b>	21 (53.8%)	14 (42.4%)	ns
<b>Pseudoparalysis/painful loss of elevation (N [%])</b>	14 (35.9%)	4 (12.1%)	0.04
<b>Preoperative Constant score (points)</b>	42.4±13.6	50.8±8	0.003
<b>Preoperative pain score (points)</b>	3.3±2.8	4.0±2.6	ns
<b>Preoperative activity score (points)</b>	8.6±3.5	9.4 ±7.4	ns
<b>Preoperative mobility score (points)</b>	25.4±10.2	31.4±6.6	0.05
<b>Preoperative strength score (points)</b>	5.1±3.3	6.1±3.1	ns
<b>Anterior active elevation (°)</b>	123.3±51.7	142.7±26.7	0.06
<b>Anterior passive elevation (°)</b>	166.2±14.8	168.2±8.5	ns
<b>Active external rotation (°)</b>	32.6±20	44.1±14.7	0.01
<b>Passive external rotation (°)</b>	52.7±14	56.1±12.7	ns
<b>Active internal rotation</b>	L3	L3	ns
<b>Preop acromiohumeral distance (mm)</b>	5.6±2	5.6±1.7	ns
<b>Teres minor normal or hypertrophic (preoperative imaging studies) (N [%])</b>	29 (74.4%)	25 (75.8%)	ns