

TABLE E-1 Demographics of Patients with Adhesive Capsulitis

Case	Age (yr)	Sex	Harvested Tissue	Treatment Prior to Surgery*	Diabetes Mellitus	Etiology	Stage of Disease†	Symptom Duration (mo)
1	46	F	Capsule	PT, med.	N	Idiopathic	II	7
2	53	F	Capsule	Med.	N	Idiopathic	II	6
3	52	M	Capsule	PT, med.	N	Idiopathic	III	14
4	54	F	Capsule	Med.	Y	Posttraumatic	II	3
5	50	M	Capsule	PT, med.	N	Idiopathic	II	12
6	45	F	Capsule, cells for culture	PT, med.	N	Idiopathic	II	8
7	37	M	Capsule	PT, med.	N	Idiopathic	II	7
8	57	M	Capsule	PT, med.	N	Idiopathic	I	3
9	52	F	Capsule	Med.	N	Idiopathic	III	9
10	55	M	Capsule	PT, med.	N	Posttraumatic	II	6
11	43	F	Capsule, cells for culture	PT, med.	N	Idiopathic	III	17
12	52	F	Capsule, cells for culture	PT, med.	N	Idiopathic	II	6
13	66	F	Capsule	PT, med.	Y	Idiopathic	II	6
14	59	F	Capsule	PT, med.	N	Posttraumatic	III	13
15	52	M	Capsule	Med.	Y	Idiopathic	II	4
16	64	M	Capsule	PT, med.	N	Idiopathic	III	13
17	51	M	Capsule	Med.	N	Idiopathic	II	9

\*PT = physical therapy, and med. = medication. †Neviaser arthroscopic stage<sup>32</sup>.

TABLE E-2 Demographics of Control Patients

Case	Age (yr)	Sex	Diagnosis	Harvested Tissue	Treatment Prior to Surgery*	Diabetes Mellitus	Etiology	Symptom Duration (mo)
1	25	M	Instability, shoulder	Capsule	No	N	Trauma	9
2	55	F	Fracture, shoulder	Capsule	No	Y	Trauma	—
3	32	F	Instability, shoulder	Capsule, cells for culture	PT, med.	N	Trauma	6
4	49	M	Fracture, shoulder	Capsule	No	N	Trauma	—
5	51	F	Fracture, shoulder	Capsule	No	N	Trauma	—
6	31	M	Instability, shoulder	Capsule, cells for culture	PT	N	Trauma	6
7	29	F	Instability, shoulder	Capsule	No	N	Trauma	8
8	64	F	Fracture, shoulder	Capsule	No	Y	Trauma	—
9	25	M	Instability, shoulder	Capsule	PT, med.	N	Trauma	13

\*PT = physical therapy, and med. = medication.

TABLE E-3 Primers for Real-Time RT-PCR\*

Product of Gene	Forward Primer	Reverse Primer	T <sub>m</sub> (°C)
CD44	TTTGAATATAACCTGCCGCTTTGC	CTTCTGCCACACCTTCTTCG	57
MMP-9	GGATGTTTTTGTGATGCCATTGCTG	CCACGTGCGGGCAATAAGAAAG	62
MMP-14	GAAAACCTCAGAGAGGGTCTTCGT T	AGTGGCTCAGGCTCCTTCCT	55
TIMP-2	GCACATCACCCTCTGTGACTT	AGCGCGTGATCTTGCACT	57
CTGF	GGCTTACCGACTGGAAGAC	AGGAGGCGTTGTCATTGG	59
TGF-β1	CCCCTGGAAAGGGCTCAACAC	TCCAACCCAGGTCCTTCCTAAAGT C	59
18S	CGGCTACCACATCCAAGGAA	GCTGGAATTACCGCGGCT	54

\*RT-PCR = reverse transcription-polymerase chain reaction. See text for an explanation of gene names.