



Fig. E-1A



Fig. E-1B

Figs. E-1A and E-1B Clinical evaluation of the activity of the latissimus dorsi transfer. **Fig. E-1A** A relaxed position. **Fig. E-1B** Active external rotation against resistance. Note the visible contraction of the latissimus dorsi muscle.

TABLE E-1 Comparison of Patients with Unsatisfactory and Satisfactory Results*

Parameter	Satisfactory, N = 32				Unsatisfactory, N = 14				P Value
	Mean	Std. Dev.	Min.	Max.	Mean	Std. Dev.	Min.	Max.	
Preoperative									
Age (yr)	56.3	6.9	37	67	55.4	7.7	40	67	0.735
SSV (%)	26.8	18.8	0	60	33.9	19.2	0	70	0.256
Constant (%)	58.0	16.5	24	91	51.7	21.5	20	90	0.344
Constant (points)	49.3	14.2	20	73	42.9	16.6	18	70	0.228
Pain level	6.6	3.2	0	12	6.6	2.9	3	12	0.956
Flexion (deg)	123.6	44.7	20	165	105.4	48.9	30	160	0.244
Abduction (deg)	121.9	45.0	30	180	89.6	47.9	20	170	0.043
Ext. rotation (deg)	16.7	22.5	−30	70	20.7	27.8	−20	80	0.640
Strength (kg)	1.4	1.1	0	4	0.9	1	0	3	0.121
Hamada	1.1	0.5	0	3	1.4	0.5	1	2	0.105
Samilson	0.4	0.7	0	3	0.4	0.5	0	1	0.920
AHD	7.7	1.9	5	13	6.9	1.8	4	9	0.184
Intermediate follow-up									
Elapsed time (mo)	41.0	14.6	24	90	42.4	10.6	28	68	0.735
Age (yr)	59.4	7.0	44	71	58.4	8.1	44	73	0.690
SSV (%)	78.1	14.8	30	100	49.2	25.1	0	90	0.001
Constant (%)	86.2	12.9	54	100	54.9	20.9	26	88	0.000
Constant (points)	71.5	11.5	38	86	44.9	15.8	23	71	0.000
Pain level	13.2	2.4	5	15	9.4	3.1	5	14	0.001
Flexion (deg)	145.2	26.1	40	170	100.5	37.6	50	150	0.001
Abduction (deg)	144	35.5	40	180	91.3	45.2	40	160	0.001
Ext. rotation (deg)	39.5	17.4	0	80	23.8	19.7	−10	65	0.021
Strength (kg)	2.6	1.7	0	7	1.2	1.3	0	3	0.006
Hamada	1.6	1.1	1	4	1.5	0.5	1	2	0.696
Samilson	0.8	0.8	0	3	0.7	0.5	0	1	0.548
AHD	6.8	2.3	3	12	5.3	1.4	3	7	0.060
Final Follow-up									
Elapsed time (mo)	148.3	19.4	122	184	142.6	20.3	123	182	0.377
Age (yr)	68.8	7.3	47	82	67.6	8.1	53	79	0.637
SSV (%)	81.2	15.4	30	100	44.6	21.7	0	80	0.000
Constant (%)	90.7	13.9	42	100	56.9	20.6	24	100	0.000
Constant (points)	71.8	10.6	29	86	45.5	15.4	22	75	0.000
Pain level	14.1	1.7	7	15	9.9	3.6	4	15	0.001
Flexion (deg)	143.6	26.2	30	160	106.8	40.7	40	170	0.006
Abduction (deg)	136.7	32.6	30	170	90.4	37.7	40	170	0.001
Ext. rotation (deg)	37.0	16.9	−10	60	22.1	20.8	−10	60	0.028
Strength (kg)	2.6	1.7	0	7	0.7	0.9	0	2	0.000
Hamada	2.0	1.1	1	4	2	0.7	1	3	1.000
Samilson	1.0	1.0	0	3	0.9	0.7	0	2	0.695
AHD	5.1	2.1	1	10	4.3	1.7	1	7	0.177
CSA	36.1	2.6	32	42	39.5	3.6	34	44	0.005

*A satisfactory result was one in which the SSV increased by at least 30%. The Constant score is given as the absolute score in points and the relative score in percent compared with matched controls. AHD = acromiohumeral distance, and CSA = critical shoulder angle.