

TABLE E1 Long-Term Shoulder Function According to the Modified Mallet Scores

Patient	Age (months) at Biceps Return	Brachial Plexus Surgery	Shoulder Surgery	Global Abduction	Global External Rotation	Hand to Neck	Hand to Mouth	Hand to Back	Shoulder Class (Gilbert)
C5-C6									
1	4	None	None	4	4	4	4	4	IV
2	4	None	None	4	3	4	4	2	IV
3	4	None	None	3	4	4	4	2	III
4	4	None	None	4	4	4	4	4	IV
5	4	None	None	4	3	4	3	2	IV
6	4	None	IR release	4	4	4	3	4	IV
7	4	None	ER release	4	3	4	3	3	IV
8	5	None	IR release	4	2	4	4	4	IV
9	6	None	None	4	3	4	3	3	IV
10	6	None	None	3	4	4	4	2	III
11	6	None	None	2	3	3	3	3	II
12	6	None	ER release	3	4	4	4	2	III
13	5	<i>Grafts</i>	<i>None</i>	3	4	4	4	2	<i>III</i>
C5-7									
14	4	None	None	3	4	4	4	2	III
15	4	None	None	3	3	3	3	3	III
16	5	None	IR rel, lat tf	4	3	4	4	4	IV
17	6	None	None	Lost	Lost	lost	lost	lost	Lost
18	7	None	None	4	4	4	4	2	IV
19	7	<i>Neurolysis</i>	<i>None</i>	3	3	4	4	2	<i>III</i>
C5-T1									
20	5	None	None	3	2	2	1	2	III
21	6	None	None	4	4	4	3	4	IV
22	9	None	None	3	2	2	2	2	III
23	10	None	None	2	4	3	4	2	II
24	11	None	IR rel, lat tf	4	2	3	2	2	IV
25	Never	None	None	3	1	2	1	2	III
26	5	<i>Neurolysis</i>	<i>None</i>	3	3	3	3	2	<i>III</i>
27	6	<i>Neurotization</i>	<i>None</i>	4	2	2	2	2	<i>IV</i>
28	8	<i>Grafting</i>	<i>None</i>	4	2	3	2	2	<i>IV</i>
29	13	<i>Neurolysis</i>	<i>IR rel, lat tf</i>	2	4	3	4	2	<i>II</i>

Patients in *italics* had brachial plexus surgery.

Abbreviations: ER = external rotation; IR = internal rotation; rel = contracture release; Lat tf = latissimus dorsi transfer to external rotators.