

Questionnaire

Pain

How often do you currently experience pain?

- 1 – Never
- 2 – Occasionally with strenuous activity
- 3 – Frequently with daily activity
- 4 – Constantly

When you experience pain, how severe is it?

Visual analog scale from 0 to 10

Compared to the pain you had before surgery, your current level of pain is:

- 1 – Significantly improved
- 2 – Somewhat improved
- 3 – Same
- 4 – Worse

Activities of Daily Living

Rate ability to perform the following activities:

- Turn a doorknob
- Open a car door
- Open a tight jar
- Button clothes
- Turn a key
- Lift a gallon of milk

- 1 – No difficulty
- 2 – Mild difficulty
- 3 – Moderate difficulty
- 4 – Severe difficulty
- 5 – Unable to perform

Return to Work

Were you able to return to the same occupation following surgery?

If yes, how soon were you able to return?

If no, why were you unable to return?

What is your current occupation?

Satisfaction

How satisfied are you with the outcome of your surgery?

- 1 – Very satisfied
 - 2 – Somewhat satisfied
 - 3 – Somewhat dissatisfied
 - 4 – Very dissatisfied
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Demographics

	Met Inclusion Criteria		Completed Questionnaire		Completed Follow-up	
	Arthrodesis	LRTI**	Arthrodesis	LRTI**	Arthrodesis	LRTI**
Patients	55	54	42	39	29	30
Thumbs	73	68	58	49	44	38
Age						
Avg.			51	52	52	51
Range			41-59	43-59	41-59	43-59
Gender (F:M)			37:5	36:3	25:4	28:2
Side (Dom:Nondom)			30:28	23:26	25:19	18:20
Bilateral			17	11	16	9
Laborers			7	7	3	7
Workers' Compensation			2	5	0	5
Follow-up						
Avg. (mo)			75	63	73	63
Range (mo)			27-252	26-109	27-252	26-108
Eaton Stage*						
I			0	0	0	0
II			11	10	6	8
III			47	35	38	27
IV			0	4	0	3

*Eaton¹⁶ Stages: Stage I – Articular contours are normal. Trapeziometacarpal joint space may be widened. Stage II – Slight narrowing of trapeziometacarpal joint space with minimal sclerotic changes of the subchondral bone. Osteophytes or loose bodies are less than 2 mm in size. Stage III – Significant trapeziometacarpal joint destruction. Sclerotic or cystic changes in the subchondral bone. Osteophytes or loose bodies are greater than 2 mm in size. Scaphotrapezial articulation is normal. Stage IV – Both trapeziometacarpal and scaphotrapezial joints exhibit degenerative changes. **LRTI = Ligament reconstruction and tendon interposition.

Peritrapezial Arthrosis Following Arthrodesis

Case #	Age at Surgery	Pain				Function – Activities of Daily Living – Difficulty						Occupation			
		Frequency	Level	Compared to Pre-op	Satisfaction	Turn Door Knob	Open Car Door	Open Tight Jar	Button Clothes	Turn Key	Lift Gallon of Milk	Able to Return	Time to Return (wk)	Current Job	Follow-up (mo)
1	54	Never	0/10	Sig. Improved	Very Satisfied	None	None	Mild	None	None	None	Yes	1	Same	49
2	57	Never	0/10	Sig. Improved	Very Satisfied	None	None	Mild	Mild	None	Mild	Yes	4	Retired	68
3	42	Occasional	3/10	Sig. Improved	Very Satisfied	None	None	None	None	None	None	Yes	4	Retired	252
4	46	Frequent	3/10	Sig. Improved	Very Satisfied	Mild	None	Mod.	Mod.	None	Mild	Yes	3	Same	54
5	56	Never	0/10	Sig. Improved	Very Satisfied	None	None	Mild	None	None	None	Yes	6	Retired	134
6	57	Frequent	4/10	Sig. Improved	Very Satisfied	None	None	Unable	Mild	None	Mild	Yes	3	Same	42
7	51	Occasional	5/10	Sig. Improved	Somewhat Satisfied	None	None	Mod.	Mild	Mild	Mild	No		Changed	33
8	60	Occasional	5/10	Sig. Improved	Very Satisfied	Mild	Mild	Unable	None	None	Mod.	Yes	3	Same	78
9	46	Occasional	3/10	Sig. Improved	Very Satisfied	None	None	Mod.	None	None	Mild	Yes	12	Same	60