

Table E-1. PAIN SCALE SCORES*

PATIENT NUMBER	ANSWERS PER INDIVIDUAL PATIENT																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Pain preoperative	6	9	8	8	7	6	6	9	7	8	9	9	7	9	9	9	9	7	3	5	7	6	7	7	6	2	3
Pain postoperative	4	1	2	7	3	7	8	3	7	4	1	5	4	8	2	8	2	7	5	4	4	4	4	5	3	2	5

*The pain scale was administered to the patient preoperatively and at ultimate follow-up (1=no pain; 9=maximum pain).

For the twenty-seven patients who completed the pain analog scale both preoperatively and at the time of the final postoperative evaluation, the difference was significant ($p = 0.0002$). Preop: 6.96 ± 1.97 . Postop: 4.41 ± 2.15 . Change (postop minus preop): -2.55 ± 3.00 .

Table E-2. OSWESTRY SCORES, TABULATION ALL PATIENTS

PATIENT NUMBER	ANSWER TOTALS PER INDIVIDUAL PATIENT																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Preoperative	63	not done	not done	57	37	63	46	54	not done	60	40	60	34	51	54	60	51	60	37	57	54	66	37	40	54	20	74
Postoperative	68	43	14	63	14	37	51	51	8	22	11	43	20	40	0	40	44	52	44	52	36	28	34	20	14	14	60

A high number reflects high pathology and a low number reflects low pathology. All patients completed the Oswestry questionnaires postop. Three of them did not complete questionnaires preop. **For the twenty-four patients who answered the Oswestry questions both preoperatively and at the time of the final postoperative evaluation, the difference is significant ($p < 0.0001$).**

TABLE E-3 Oswestry Individual Variables, Paired T Test Results*

Variable	Time-Point	Mean \pm S.D.	P Value
Dressing	Preop.	1.67 \pm 1.17	
	Postop.	1.17 \pm 1.20	
	Change	-0.50 \pm 1.22	0.06
Lifting	Preop.	3.00 \pm 1.41	
	Postop.	2.21 \pm 1.50	
	Change	-0.79 \pm 1.84	0.05
Walking	Preop.	3.71 \pm 1.20	
	Postop.	2.83 \pm 1.66	
	Change	-0.88 \pm 2.13	0.06
Standing	Preop.	3.79 \pm 1.14	
	Postop.	1.71 \pm 1.46	
	Change	-2.08 \pm 1.69	<0.0001
Summary score	Preop.	51.21 \pm 12.47	
	Postop.	35.75 \pm 18.24	
	Change	-15.46 \pm 16.11	<0.0001

*The means and standard deviations (calculated on the basis of twenty-four patients) are reported for the preoperative and final postoperative evaluations as well as for the change between the preoperative and final postoperative examinations (postoperative value - preoperative value). P values test for a significant change between preoperative and final postoperative testing. They are based on paired t tests unless otherwise indicated.

TABLE E-4. Scoliosis Research Society Postoperative Questions and Patient Answers

Question	Potential Answers and Total Number of Patients Giving Each Answer				
16. Has your back treatment changed your function and daily activity?	Increased (15)	Somewhat Increased (0)	Not Changed (5)	Somewhat Decreased (0)	Decreased (6*)
17. Has your back treatment changed your ability to enjoy sports/hobbies?	Increased (11)	Somewhat Increased (0)	Not Changed (6)	Somewhat Decreased (0)	Decreased (9†)
18. Has your back treatment _____ your back pain?	Increased (3‡)	Somewhat Increased (0)	Not Changed (3)	Somewhat Decreased (2)	Decreased (18)
19. Has your treatment changed your confidence in personal relationships with others?	Increased (9)	Somewhat Increased (1)	Not Changed (14)	Somewhat Decreased (0)	Decreased (2§)
20. Has your treatment changed the way others view you?	Much Better (8)	Better (9)	Same (8)	Worse (1#)	Much Worse (0)
21. Has your treatment changed your self-image?	Increased (17)	Somewhat Increased (2)	Not Changed (6)	Somewhat Decreased (0)	Decreased (1**)
22. Are you satisfied with the results of your back treatment?	Extremely Satisfied (15)	Somewhat Satisfied (9)	Neither Satisfied Nor Dissatisfied (1)	Somewhat Dissatisfied (1††)	Extremely Dissatisfied (0)
23. Compared to before your treatment, how do you think that you now look?	Much Better (14)	Better (10)	Same (1)	Worse (1‡‡)	Much Worse (0)
24. Would you have the same treatment again if you had the same condition?	Definitely Yes (18)	Probably Yes (5)	Not Sure (3)	Probably Not (0)	Definitely Not (0)

*Cases 7, 8, 12, 16, 18, 19; †Cases 7, 8, 9, 12, 13, 16, 18, 20, 23; ‡Cases 7, 19, 27; §Cases 18, 20; #Case 18; **Case 18; ††Case 20; ‡‡Case 1.