Supplementary information

Title: Outcome after surgical stabilization of symptomatic rib fracture nonunion; a multicenter

retrospective case series

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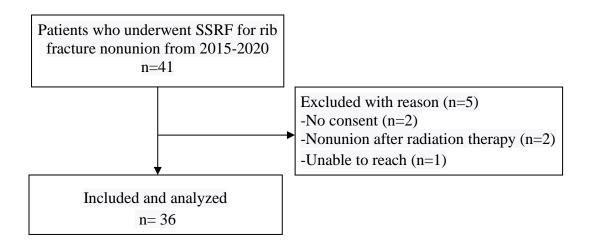
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Online Resource 1. Flowchart of the study

SSRF, surgical stabilization of rib fracture.

Online Resource 2. Pain level reported at follow-up during different activities before the rib fracture nonunion surgery for the affected and on the unaffected side, and pain level at follow-up for the affected side

		Before nonunion surgery				After nonunion	
						sur	gery at follow-up
Activity	Level of pain		Affected side		Unaffected side		Affected side
		N		N		N	
Any	No	36	1 (3%)	36	26 (72%)	36	4 (11%)
	Mild		3 (8%)		3 (8%)		13 (36%)
	Moderate		6 (17%)		4 (11%)		6 (17%)
	Severe		26 (72%)		3 (8%)		13 (36%)
Inspiration	No	36	1 (3%)	35	27 (77%)	36	12 (33%)
	Mild		8 (22%)		4 (11%)		13 (36%)
	Moderate		6 (17%)		2 (6%)		7 (19%)
	Severe		21 (58%)		2 (6%)		4 (11%)
Rest	No	35	2 (6%)	36	27 (75%)	36	12 (33%)
	Mild		10 (29%)		4 (11%)		14 (39%)
	Moderate		6 (17%)		4 (11%)		8 (22%)

	Severe		17 (49%)		1 (3%)		2 (6%)
Sleep	No	36	2 (6%)	36	28 (78%)	36	10 (28%)
	Mild		8 (22%)		2 (6%)		10 (28%)
	Moderate		5 (14%)		4 (11%)		13 (36%)
	Severe		21 (58%)		2 (6%)		3 (8%)
Pressure	No	36	2 (6%)	35	28 (80%)	36	8 (22%)
	Mild		5 (14%)		2 (6%)		14 (39%)
	Moderate		6 (17%)		2 (6%)		7 (19%)
	Severe		23 (64%)		3 (9%)		7 (19%)
Housekeeping	No	30	2 (7%)	33	26 (79%)	33	9 (27%)
	Mild		9 (30%)		1 (3%)		11 (33%)
	Moderate		1 (3%)		4 (12%)		7 (21%)
	Severe		18 (60%)		2 (6%)		6 (18%)
Work	No	19	1 (5%)	23	18 (78%)	23	9 (39%)
	Mild		4 (21%)		0 (0%)		4 (17%)
	Moderate		3 (16%)		2 (9%)		4 (17%)
	Severe		11 (58%)		3 (13%)		6 (26%)
Sports	No	16	1 (6%)	18	14 (78%)	17	6 (35%)

Mild	4 (25%)	1 (6%)	7 (41%)
Moderate	1 (6%)	0 (0%)	0 (0%)
Severe	10 (63%)	3 (17%)	4 (24%)

Data are shown as N (%). N represents the number of patients for whom data were available.

No pain, NRS 0; Mild pain, NRS 1-3; Moderate pain, NRS 4-6; Severe pain, NRS 7-10 NRS, numeric rating scale.

Online Resource 3. Satisfaction reported at final follow-up for the entire study population

	Functional	Cosmetic	Work	Sports and	Decision for
	result	result	resumption	activity	surgery
				resumption	
	(n=36)	(n=34)	(n=22)	(n=23)	(n=35)
Very dissatisfied (NRS 0)	0 (0%)	0 (0%)	0 (0%)	1 (4%)	3 (9%)
Dissatisfied (NRS 1-3)	5 (14%)	2 (6%)	0 (0%)	2 (9%)	1 (3%)
Satisfied (NRS 4-6)	4 (11%)	5 (15%)	7 (32%)	5 (22%)	6 (17%)
Very satisfied (NRS 7-10)	27 (75%)	27 (79%)	15 (68%)	15 (65%)	25 (71%)

Data are shown as N (%). N represents the number of patients for whom data were available. NRS, numeric rating scale.