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Supplementary Material

Article Title: Clinical Dimensions Associated With Psychological Pain in Suicidal Patients: One-Year Follow-up Study

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Supplementary table 1: Unadjusted logistic regression analysis of suicidal ideation using current and worse psychological pain as predictors of suicide:

<i>Current psychological pain</i>				<i>Worse psychological pain</i>			
$R^2_{cs} = .04, R^2_N = .04, \Delta\chi^2 = 14.49^{***}$				$R^2_{cs} = .09, R^2_N = .11, \Delta\chi^2 = 38.40^{***}$			
	B (SE)	p-value	OR [95% CI]		B (SE)	p-value	OR [95% CI]
SA-P (1) vs AC (0)	.19 (.05)	.001	1.21 [1.09 - 1.34]	SA-P (1) vs AC (0)	.21 (.06)	.001	1.23 [1.11 - 1.37]
SA-R (2) vs AC (0)	.14 (.05)	.003	1.15 [1.05 - 1.26]	SA-R (2) vs AC (0)	.30 (.05)	.001	1.35 [1.22 - 1.49]
SA-R (2) vs SA-P (1)	-.05 (.05)	.256	.95 [.87 - 1.04]	SA-R (2) vs SA-P (1)	.09 (.06)	.118	1.09 [.98 - 1.23]

Note: $^{***}p < .001$; R^2_{cs} = R^2 Cox & Snell; R^2_N = R^2 Nagelkerke; $\Delta\chi^2$ = Change in chi-square; AC = Affective controls; SA-P = Past suicide attempters; SA-R = Recent suicide attempters.

Supplementary table 2: Variables explaining high psychological pain:

	High pain	Low pain	<i>p</i> -values	Ad. <i>p</i> -values, OR [CI95%]
N =	207	164		
<i>Sociodemographic</i>				
Age	39.81 ± .84	44.78 ± .99	<i>p</i> < .001	<i>p</i> < .003, .97 [.96 - .99]
Education years	13.53 ± .18	13.43 ± .23	<i>p</i> < .411	<i>p</i> < .313, 1.04 [.96 - 1.13]
Women, n (%)	140 (67.6 %)	118 (72.0 %)	<i>p</i> < .369	<i>p</i> < .102, .67 [.41 - 1.09]
Current smoker, n (%)	106 (52.0 %)	66 (40.5 %)	<i>p</i> < .029	<i>p</i> < .151, 1.39 [.89 - 2.17]
Sep./Div./Wid., n (%)	46 (22.2 %)	35 (21.3 %)	<i>p</i> < .838	<i>p</i> < .543, 1.18 [.69 - 2.02]
Children, n (%)	116 (56.0 %)	109 (66.5 %)	<i>p</i> < .041	<i>p</i> < .235, .76 [.48 - 1.19]
<i>Lifetime psychiatric comorbidity</i>				
Bipolar disorder, n (%)	63 (32.5 %)	78 (48.4 %)	<i>p</i> < .002	<i>p</i> < .001, .45 [.28 - .72]
Anxiety disorder, n (%)	171 (83.0 %)	114 (69.5 %)	<i>p</i> < .002	<i>p</i> < .235, 1.38 [.81 - 2.36]
Eating disorder, n (%)	44 (21.4 %)	21 (12.8 %)	<i>p</i> < .032	<i>p</i> < .468, 1.25 [.68 - 2.31]
Alcohol abuse/dependence, n (%)	74 (35.7 %)	57 (34.8 %)	<i>p</i> < .843	<i>p</i> < .957, .99 [.62 - 1.57]
Substance abuse/dependence, n (%)	62 (30.0 %)	31 (18.9 %)	<i>p</i> < .015	<i>p</i> < .024, 1.83 [1.08 - 3.09]
PTSD, n (%)	53 (25.9 %)	32 (19.5 %)	<i>p</i> < .151	<i>p</i> < .765, 1.09 [.63 - 1.86]
<i>Current psychiatric comorbidity</i>				
Mixed episode, n (%)	13 (6.3 %)	11 (6.7 %)	<i>p</i> < .868	<i>p</i> < .909, .95 [.39 - 2.32]
Anxiety disorder, n (%)	103 (50.0 %)	52 (31.7 %)	<i>p</i> < .001	<i>p</i> < .533, 1.08 [.86 - 1.36]
Eating disorder, n (%)	29 (14.0 %)	11 (6.7 %)	<i>p</i> < .024	<i>p</i> < .186, 1.51 [.82 - 2.78]
Alcohol abuse/dependence, n (%)	94 (45.4 %)	67 (41.6 %)	<i>p</i> < .379	<i>p</i> < .722, .96 [.75 - 1.22]
Substance abuse/dependence, n (%)	34 (16.4 %)	17 (10.4 %)	<i>p</i> < .092	<i>p</i> < .053, 1.77 [.99 - 3.15]
PTSD, n (%)	37 (18.0 %)	22 (13.4 %)	<i>p</i> < .235	<i>p</i> < .981, .99 [.53 - 1.85]
Having a Psych. comorbidity, n (%)	177 (85.5 %)	119 (72.6 %)	<i>p</i> < .002	<i>p</i> < .497, 1.22 [.69 - 2.17]
<i>Current treatment</i>				
Antidepressants, n (%)	144 (69.9 %)	101 (61.6 %)	<i>p</i> < .093	<i>p</i> < .058, 1.11 [.99 - 2.53]
Anxiolytics, n (%)	170 (82.5 %)	103 (62.8 %)	<i>p</i> < .001	<i>p</i> < .004, 2.14 [1.27 - 3.59]
Antiepileptics, n (%)	43 (20.9 %)	48 (29.3 %)	<i>p</i> < .063	<i>p</i> < .041, .58 [.34 - .98]
Antipsychotics, n (%)	101 (49.0 %)	80 (48.8 %)	<i>p</i> < .962	<i>p</i> < .399, .83 [.53 - 1.29]
Lithium, n (%)	12 (5.8 %)	24 (14.6 %)	<i>p</i> < .005	<i>p</i> < .018, .38 [.17 - .85]
Analgesics, n (%)	17 (8.3 %)	10 (6.1 %)	<i>p</i> < .429	<i>p</i> < .398, 1.45 [.62 - 3.39]
Medication load ^{lg}	3.83 ± .13	3.75 ± .16	<i>p</i> < .482	<i>p</i> < .920, 1.01 [.89 - 1.13]
<i>Suicidal history and clinical variables</i>				
Depressive symptomatology (BDI)	18.91 ± .54	12.73 ± .59	<i>p</i> < .001	—
BDI suicidal ideation, n (%)	97 (56.4 %)	41 (32.8 %)	<i>p</i> < .001	<i>p</i> < .354, 1.30 [.75 - 2.27] ¹
Trait Anxiety (STAI-T)	62.08 ± .76	55.42 ± 1.05	<i>p</i> < .001	<i>p</i> < .357, 1.02 [.98 - 1.06]
State Anxiety (STAI-S)	57.41 ± .99	52.75 ± 1.14	<i>p</i> < .002	<i>p</i> < .177, .98 [.98 - 1.01]
Hopelessness	11.28 ± .45	10.04 ± .53	<i>p</i> < .089	<i>p</i> < .033, .93 [.87 - .99]
Affective lability (ALS)	1.57 ± .06	1.45 ± .06	<i>p</i> < .201	<i>p</i> < .263, .72 [.41 - 1.28]
Affective Intensity (AIM)	3.84 ± .05	3.66 ± .06	<i>p</i> < .022	<i>p</i> < .139, 1.47 [.88 - 2.46]
Current physical pain	3.00 ± .21	2.13 ± .19	<i>p</i> < .002	<i>p</i> < .100, 1.07 [.99 - 1.16]
Worse physical pain	5.08 ± .25	3.26 ± .23	<i>p</i> < .001	<i>p</i> < .001, 1.15 [1.08 - 1.24]
Violent suicide lifetime, n (%)	36 (21.2 %)	16 (16.0 %)	<i>p</i> < .298	<i>p</i> < .210, 1.53 [.79 - 2.98]
Severe suicide lifetime, n (%)	44 (25.3 %)	30 (28.8 %)	<i>p</i> < .516	<i>p</i> < .332, .76 [.43 - 1.33]
N of suicide attempts	2.49 ± .27	2.51 ± .21	<i>p</i> < .939	<i>p</i> < .692, .98 [.89 - 1.08]
<i>Impulsivity (BIS-10)</i>				
Total	62.04 ± 1.49	55.59 ± 1.33	<i>p</i> < .001	<i>p</i> < .416, 1.01 [.99 - 1.02]
Motor	20.23 ± .65	16.41 ± .65	<i>p</i> < .001	<i>p</i> < .103, 1.03 [.99 - 1.06]
Cognitive	21.54 ± .52	21.08 ± .52	<i>p</i> < .530	<i>p</i> < .209, .98 [.94 - 1.01]
Planning	19.53 ± .58	18.98 ± .54	<i>p</i> < .495	<i>p</i> < .725, .99 [.96 - 1.03]
<i>Childhood trauma questionnaire, Moderate/Severe</i>				
Total	50.28 ± 1.43	46.03 ± 1.22	<i>p</i> < .121	<i>p</i> < .432, 1.01 [.99 - 1.02]
Physical abuse, n (%)	51 (26.8 %)	25 (16.0 %)	<i>p</i> < .016	<i>p</i> < .146, 1.54 [.86 - 2.74]
Physical neglect, n (%)	62 (32.1 %)	35 (22.7 %)	<i>p</i> < .053	<i>p</i> < .302, 1.32 [.78 - 2.21]
Emotional abuse, n (%)	90 (47.4 %)	63 (40.4 %)	<i>p</i> < .193	<i>p</i> < .954, .99 [.62 - 1.57]

Emotional neglect, n (%)	80 (43.0 %)	67 (44.1 %)	$p < .844$	$p < .166, .72 [.45 - 1.15]$
Sexual abuse, n (%)	59 (31.2 %)	30 (19.5 %)	$p < .014$	$p < .032, 1.81 [1.05 - 3.11]$

Note: Ad.= Adjusted for depression (BDI); ¹ = Adjusted for BDI score without the ideation item; Sep./Div./Wid. = Separated, divorced or widowed; PTSD = Post-traumatic stress disorders; BDI = Beck Depression Inventory; STAI = State-Trait Anxiety Inventory; ALS = Affective Liability Scale; AIM = Affective Intensity Measure.

Supplementary table 3: Description of the baseline sociodemographic and clinical variables of patients with and without follow-up data:

	With follow up data	Without follow up data	<i>p</i> -values
N =	123	248	
<i>Sociodemographic at inclusion</i>			
Age	43.15 ± 1.09	41.53 ± .81	<i>p</i> < .242
Education years	13.85 ± .25	13.29 ± .18	<i>p</i> < .071
Women, n (%)	78 (86.3 %)	181 (73.0 %)	<i>p</i> < .046
Current smoker, n (%)	60 (49.2 %)	112 (45.5 %)	<i>p</i> < .540
Sep./Div./Wid., n (%)	24 (19.4 %)	58 (23.4 %)	<i>p</i> < .376
Children, n (%)	48 (38.7 %)	98 (39.5 %)	<i>p</i> < .881
<i>Psychiatric comorbidity at inclusion</i>			
Mixed episode, n (%)	9 (7.3 %)	15 (6.0 %)	<i>p</i> < .654
Anxiety disorder, n (%)	53 (42.7 %)	102 (41.3 %)	<i>p</i> < .790
Eating disorder, n (%)	12 (9.7 %)	28 (11.3 %)	<i>p</i> < .636
Alcohol abuse/dependence, n (%)	50 (40.3 %)	111 (44.8 %)	<i>p</i> < .416
Substance abuse/dependence, n (%)	16 (12.9 %)	35 (14.1 %)	<i>p</i> < .749
PTSD, n (%)	15 (23.4 %)	32 (23.5 %)	<i>p</i> < .789
Having a Psych. comorbidity, n (%)	95 (76.6 %)	201 (81.0 %)	<i>p</i> < .317
<i>Treatment at inclusion</i>			
Antidepressants, n (%)	83 (69.9 %)	163 (66.0 %)	<i>p</i> < .856
Anxiolytics, n (%)	94 (75.8 %)	179 (72.5 %)	<i>p</i> < .492
Antiepileptics, n (%)	29 (23.4 %)	62 (25.1 %)	<i>p</i> < .717
Antipsychotics, n (%)	64 (51.6 %)	118 (47.8 %)	<i>p</i> < .485
Lithium, n (%)	17 (13.7 %)	20 (8.1 %)	<i>p</i> < .089
Analgesics, n (%)	4 (3.2 %)	23 (9.3 %)	<i>p</i> < .033
Medication load ^{lg}	3.71 ± .19	3.85 ± .12	<i>p</i> < .524
<i>Suicidal history and clinical variables at inclusion</i>			
Depressive symptomatology (BDI)	15.77 ± .75	16.33 ± .52	<i>p</i> < .539
BDI suicidal ideation, n (%)	33 (26.6 %)	69 (28.2 %)	<i>p</i> < .753
High Pain, n (%)	65 (52.8 %)	142 (57.3 %)	<i>p</i> < .420
Violent suicide lifetime, n (%)	13 (14.9 %)	39 (21.2 %)	<i>p</i> < .222
Severe suicide lifetime, n (%)	24 (26.7 %)	51 (27.0 %)	<i>p</i> < .955
N of suicide attempts	2.29 ± .27	2.60 ± .21	<i>p</i> < .398
<i>Childhood trauma questionnaire, Moderate/Severe</i>			
Total	47.24 ± 1.75	48.88 ± 1.15	<i>p</i> < .422
Physical abuse, n (%)	28 (24.3 %)	48 (20.7 %)	<i>p</i> < .438
Physical neglect, n (%)	29 (25.0 %)	68 (29.3 %)	<i>p</i> < .398
Emotional abuse, n (%)	45 (39.5 %)	108 (46.4 %)	<i>p</i> < .225
Emotional neglect, n (%)	46 (41.1 %)	101 (44.5 %)	<i>p</i> < .550
Sexual abuse, n (%)	29 (25.4 %)	60 (26.1 %)	<i>p</i> < .897

Note: Sep./Div./Wid. = Separated, divorced or widowed; PTSD = Post-traumatic stress disorders; BDI = Beck Depression Inventory;

Supplementary Figure 1: Mean $\pm$ SE of psychological pain, physical pain and depression across the follow up:

