

Supplementary Table S1. Univariable analysis (HADS anxiety as dependent variable).

	HADS anxiety			HADS depression		
	B	IC	p	B	IC	p
Age	0.007	-0.055-0.069	0.8	0.009	-0.045- 0.064	0.7
Sex	2.390	0.943-3.838	0.001	1.836	0.553-3.120	0.005
Disease duration (months)	-0.006	-0.014- 0.002	0.1	-0.008	-0.015- -0.001	0.02
D2T	3.728	2.205-5.251	<0.0001	2.872	1.511- 4.234	<0.0001
BMI	0.074	-0.082- 0.230	0.3	0.190	0.056- 0.325	0.006
MetS	2.619	1.189- 4.049	<0.0001	2.145	0.888-3.401	0.001
Fibromyalgia	2.567	1.131-4.002	0.001	2.759	1.534-3.984	<0.0001
TJ	0.283	0.116-0.451	0.001	0.178	0.028-0.328	0.02
SJ	0.326	-0.150-0.801	0.2	0.512	0.098-0.925	0.01
PP	0.718	0.499-0.937	<0.0001	0.484	0.294-0.675	<0.0001
PtGA	0.663	0.437-0.888	<0.0001	0.487	0.295-0.680	<0.0001
LEI	1.431	0.002-2.859	0.05	0.473	-0.801-1.747	0.5
CRP	0.301	-0.222- 0.824	0.2	-0.20	-0.473-0.432	0.9
ESR	0.080	0.033-0.126	0.001	0.055	0.014-0.097	0.009
DAPSA	0.191	0.121-0.262	<0.0001	0.134	0.075-0.194	<0.0001
BASDAI	0.874	0.623-1.126	<0.0001	0.652	0.434-0.871	<0.0001
MDA	-4.077	-5.422- -2.731	<0.0001	-3.402	-4.563- -2.242	<0.0001

D2T: difficult-to-treat; BMI: Body Mass Index; MetS: metabolic syndrome; TJ: tender joints; SJ: swollen joints; PP: patient pain; PtGA: patient global assessment; LEI: Leeds Enthesitis Index; CRP: C-reactive protein; ESR: erythrocyte sedimentation rate; DAPSA: Disease Activity in PSoriatic Arthritis; BASDAI: Bath Ankylosing Spondylitis Disease Activity Index; MDA: minimal disease activity.

Supplementary Table S2. Multivariable analyses of factors associated with the dimensions of pain catastrophising as dependent variables.

	Anxiety			Depression		
	B	95%CI	p	B	95%CI	p
Model 1						
Age	-0.014	-0.078- 0.049	0.6	-0.014	-0.068-0.039	0.6
Sex	0.895	-0.700- 2.490	0.3	0.380	-0.962-1.723	0.6
Disease duration (months)	-0.002	-0.010- 0.006	0.6	-0.004	-0.0108-0.003	0.2
BMI	-0.059	-0.215- 0.097	0.4	.0090	-0.041- 0.222	0.2
Fibromyalgia	0.270	-1.341- 1.881	0.7	1.010	-0.346- 2.365	0.1
MDA	-3.045	-4.771 -1.318	0.001	-2.285	-3.738 -0.832	0.002
D2T	2.050	0.360- 3.741	0.01	1.219	-0.204- 2.642	0.1

D2T: difficult-to-treat; BMI: Body Mass Index; MDA: minimal disease activity.