

Supplementary Table S1. The internal consistency of the questionnaire and certain items

Latent variable	Code of item	Item	Cronbach's α
Personal characteristics (PC)	PC1	Age	0.80
	PC2	BMI	
	PC3	Work experience	
	PC4	Professional title	
	PC5	Number of procedures per day	
	PC6	Smoking	
	PC7	Physical activities	
Family function (FF)	FF1	I am satisfied with the help that I receive from my family when something is troubling me.	0.79
	FF2	I am satisfied with the way my family discusses items of common interest and shares problem solving with me.	
	FF3	I find that my family accepts my wishes to take on new activities or make changes in my life-style.	
	FF4	I am satisfied with the way my family expresses affection and responds to my feelings such as anger, sorrow, and love.	
	FF5	I am satisfied with the amount of time my family and I spend together.	
Job satisfaction (JS)	JS1	Nature of work	0.80
	JS2	Mentor	
	JS3	Relationships with colleagues	
	JS4	Income	
	JS5	Promotion opportunity	
	JS6	Current work situation	
Mental load (ML)	ML1	Time load	0.73
	ML2	Effort load	
	ML3	Psychological stress load	
WMSDs	WMSDs1	Severity of discomfort/pain	0.90
	WMSDs2	Sick Leave Frequency	
	WMSDs3	Location of discomfort or pain	

Supplementary Table S2. Demographic characteristics of participants

Variable	Group	N (%)	Positive symptoms	
			<i>n</i>	%
Gender	Male	132 (45.2)	110	83.3
	Female	160 (54.8)	139	86.9
Age (years)	< 30	69 (23.6)	53	76.8
	30-	100 (34.2)	81	81.0
	40-	89 (30.4)	76	85.4
	50-	34 (11.6)	30	88.2
	> 60	10 (3.4)	9	90.0
BMI	< 18.5	4 (1.4)	3	75.0
	18.5-	183 (62.7)	150	82.0
	24-	91 (31.2)	77	84.6
	28-	14 (4.8)	12	85.7
Work experience (years)	< 10	79 (27.1)	61	77.2
	10-	91 (31.2)	74	81.3
	20-	87 (29.8)	74	85.1
	30-	35 (10.2)	31	88.6
	> 40	10 (3.4)	9	90.0
Professional title	Primary and below	90 (30.8)	70	77.8
	Medium-grade	130 (44.5)	104	80.0
	Associate senior	49 (16.8)	42	85.7
	Senior	23 (7.9)	21	91.3
Education	Diploma	42 (14.4)	35	83.3
	Bachelor	74 (25.3)	61	82.4
	Master or above	176 (60.3)	148	84.1
Subspecialty	Oral medicine	113 (38.7)	92	81.4
	Oral surgery	83 (28.4)	73	88.0
	Orthodontics	33 (11.3)	28	84.8
	Prosthodontics	63 (21.6)	51	81.0

Supplementary Table S3. Model fit of the final model

Fit index	$\chi^2(p)$	Df	χ^2/df	CFI	GFI	AGFI	RMSEA
Reference	> 0.05		< 3	> 0.9	> 0.9	> 0.85	< 0.08
Model	288.121 (0.000)	109	2.643	0.916	0.910	0.874	0.075

Note. GFI, goodness of fit index; AGFI, adjusted goodness of fit index; CFI, comparative fit index; RMSEA, root mean square error of approximation.

Supplementary Table S4. Parameter estimation of the structural equation model

Influencing factors	Unstandardized estimate	Standardized estimate	Standard error	Critical ratio	<i>P</i> -value
PC→ML	0.333	0.493	0.073	4.581	< 0.001*
PC→WMSDs	0.337	0.257	0.158	2.125	0.034*
JS→ML	0.842	0.739	0.127	6.603	< 0.001*
JS→WMSDs	1.085	0.492	0.352	3.084	0.002*
FF→ML	0.202	0.138	0.107	1.894	0.058
FF→WMSDs	-0.212	-0.075	0.149	-1.423	0.155
ML→WMSDs	0.886	0.458	0.371	2.386	0.017*

Note. * $P < 0.05$.