

Supplementary Table S1. Number of academic masters in terms of low satisfaction and high satisfaction

	Low N=217	High N=222	OR (95% CI) ^a	P-value	P-overall
Score of satisfaction (mean ± SD)	2.25 (1.45)	6.55 (1.41)	-	0.996	<0.001
Medical school year of training					0.452
1st	75 (34.6%)	93 (41.9%)	Reference	Reference	
2nd	93 (42.9%)	83 (37.4%)	-	.	
3rd	46 (21.2%)	44 (19.8%)	-	.	
4th	2 (0.92%)	2 (0.90%)	-	.	
Other	1 (0.46%)	0 (0.00%)	-	.	
University location					0.656
First-tier city	171 (78.8%)	170 (76.6%)	Reference	Reference	
Other	46 (21.2%)	52 (23.4%)	1.14 (0.72-1.79)	0.578	
University type					0.714
Other	40 (18.4%)	45 (20.3%)	Reference	Reference	
“Double world-class” university	177 (81.6%)	177 (79.7%)	0.89 (0.55-1.43)	0.629	
Research direction					0.111
Basic	130 (59.9%)	121 (54.5%)	Reference	Reference	
Clinical	27 (12.4%)	38 (17.1%)	1.51 (0.87-2.64)	0.144	
Both	44 (20.3%)	55 (24.8%)	1.34 (0.84-2.15)	0.219	
Uncertain	16 (7.37%)	8 (3.60%)	0.54 (0.21-1.29)	0.171	
Research working time per day					0.082
1-3h	40 (18.4%)	31 (14.0%)	Reference	Reference	
4-6h	36 (16.6%)	56 (25.2%)	2.00 (1.07-3.78)	0.031	
7-9h	52 (24.0%)	63 (28.4%)	1.56 (0.86-2.85)	0.145	
10-12h	45 (20.7%)	36 (16.2%)	1.03 (0.54-1.97)	0.924	
≥13h	44 (20.3%)	36 (16.2%)	1.06 (0.55-2.02)	0.871	
Number of published papers					0.009
0	180 (82.9%)	161 (72.5%)	Reference	Reference	
1	35 (16.1%)	49 (22.1%)	-	.	
2	2 (0.92%)	7 (3.15%)	-	.	
≥3	0 (0.00%)	5 (2.25%)	-	.	
Number of participating projects					0.426
0	53 (24.4%)	49 (22.1%)	Reference	Reference	
1	107 (49.3%)	101 (45.5%)	1.02 (0.63-1.64)	0.932	
2	41 (18.9%)	45 (20.3%)	1.19 (0.67-2.12)	0.562	
3	13 (5.99%)	19 (8.56%)	1.57 (0.70-3.60)	0.273	
≥4	3 (1.38%)	8 (3.60%)	2.78 (0.74-14.0)	0.135	
Marital status					0.456
Single	131 (60.4%)	121 (54.5%)	Reference	Reference	
In love	74 (34.1%)	88 (39.6%)	1.29 (0.87-1.91)	0.213	
Married	5 (2.30%)	3 (1.35%)	0.66 (0.13-2.88)	0.586	
Child bearing	7 (3.23%)	10 (4.50%)	1.53 (0.56-4.42)	0.403	
Research learning style					<0.001
Guided	112 (51.6%)	160 (72.1%)	Reference	Reference	
Unguided	105 (48.4%)	62 (27.9%)	0.41 (0.28-0.61)	<0.001	
Sense of time urgency (mean ± SD)	5.37 (1.91)	5.49 (1.30)	1.05 (0.93-1.17)	0.432	0.435
Score of GAD-7 (mean ± SD)	10.6 (5.74)	7.33 (4.88)	0.89 (0.86-0.93)	<0.001	<0.001
Degree of anxiety (GAD-7)					<0.001
Minimal	29 (13.4%)	63 (28.4%)	Reference	Reference	
Mild	77 (35.5%)	107 (48.2%)	0.64 (0.37-1.08)	0.098	
Moderate	60 (27.6%)	30 (13.5%)	0.23 (0.12-0.43)	<0.001	
Serious	51 (23.5%)	22 (9.91%)	0.20 (0.10-0.39)	<0.001	
Score of PHQ-9 (mean ± SD)	10.9 (6.64)	7.13 (5.44)	0.90 (0.87-0.93)	<0.001	<0.001
Degree of depression (PHQ-9)					<0.001
Minimal	36 (16.6%)	77 (34.7%)	Reference	Reference	
Mild	72 (33.2%)	98 (44.1%)	0.64 (0.38-1.05)	0.076	
Moderate	50 (23.0%)	22 (9.91%)	0.21 (0.11-0.39)	<0.001	
Serious	59 (27.2%)	25 (11.3%)	0.20 (0.11-0.37)	<0.001	

Supplementary Table S2. Number of professional masters in terms of low satisfaction and high satisfaction

	Low	High	OR (95% CI) ^a	P-value	P-overall
	N=230	N=141			
Score of satisfaction (mean ± SD)	1.97 (1.42)	6.52 (1.54)	--	0.996	<0.001
Medical school year of training					0.104
1st	78 (33.9%)	64 (45.4%)	Reference	Reference	
2nd	93 (40.4%)	45 (31.9%)	--	--	
3rd	54 (23.5%)	32 (22.7%)	--	--	
4th	2 (0.87%)	0 (0.00%)	--	--	
Other	3 (1.30%)	0 (0.00%)	--	--	
University location					0.043
First-tier city	186 (80.9%)	126 (89.4%)	Reference	Reference	
Other	44 (19.1%)	15 (10.6%)	0.51 (0.26-0.93)	0.029	
University type					0.692
Other	66 (28.7%)	44 (31.2%)	Reference	Reference	
"Double world-class" university	164 (71.3%)	97 (68.8%)	0.89 (0.56-1.41)	0.608	
Research direction					0.253
Basic	14 (6.09%)	10 (7.09%)	Reference	Reference	
Clinical	158 (68.7%)	84 (59.6%)	0.74 (0.32-1.81)	0.502	
Both	40 (17.4%)	36 (25.5%)	1.25 (0.49-3.28)	0.637	
Uncertain	18 (7.83%)	11 (7.80%)	0.86 (0.28-2.65)	0.789	
Research working time per day					0.032
1-3h	138 (60.0%)	67 (47.5%)	Reference	Reference	
4-6h	43 (18.7%)	34 (24.1%)	1.63 (0.95-2.79)	0.078	
7-9h	27 (11.7%)	19 (13.5%)	1.45 (0.74-2.79)	0.273	
10-12h	10 (4.35%)	16 (11.3%)	3.26 (1.41-7.88)	0.006	
≥13h	12 (5.22%)	5 (3.55%)	0.87 (0.26-2.49)	0.808	
Number of published papers					0.065
0	187 (81.3%)	114 (80.9%)	Reference	Reference	
1	40 (17.4%)	19 (13.5%)	--	--	
2	3 (1.30%)	6 (4.26%)	--	--	
≥3	0 (0.00%)	2 (1.42%)	--	--	
Number of participating projects					0.011
0	109 (47.4%)	52 (36.9%)	Reference	Reference	
1	91 (39.6%)	54 (38.3%)	1.24 (0.77-2.00)	0.368	
2	25 (10.9%)	22 (15.6%)	1.84 (0.94-3.58)	0.074	
3	4 (1.74%)	10 (7.09%)	5.08 (1.59-19.9)	0.006	
≥4	1 (0.43%)	3 (2.13%)	5.72 (0.65-167)	0.12	
Marital status					0.023
Single	140 (60.9%)	71 (50.4%)	Reference	Reference	
In love	80 (34.8%)	53 (37.6%)	1.31 (0.83-2.05)	0.247	
Married	5 (2.17%)	6 (4.26%)	2.34 (0.67-8.65)	0.181	
Child bearing	5 (2.17%)	11 (7.80%)	4.24 (1.46-14.2)	0.008	
Research learning style					0.009
Guided	136 (59.1%)	103 (73.0%)	Reference	Reference	
Unguided	94 (40.9%)	38 (27.0%)	0.54 (0.34-0.84)	0.006	
Sense of time urgency (mean ± SD)	5.47 (1.85)	5.49 (1.51)	1.01 (0.89-1.14)	0.896	0.891
Score of GAD-7 (mean ± SD)	10.5 (5.67)	6.82 (4.59)	0.87 (0.83-0.91)	<0.001	<0.001
Degree of anxiety (GAD-7)					<0.001
Minimal	35 (15.2%)	48 (34.0%)	Reference	Reference	
Mild	80 (34.8%)	59 (41.8%)	0.54 (0.31-0.93)	0.028	
Moderate	62 (27.0%)	26 (18.4%)	0.31 (0.16-0.58)	<0.001	
Serious	53 (23.0%)	8 (5.67%)	0.11 (0.04-0.26)	<0.001	
Score of PHQ-9 (mean ± SD)	10.7 (6.71)	6.67 (4.98)	0.89 (0.85-0.93)	<0.001	<0.001
Degree of depression (PHQ-9)					<0.001
Minimal	45 (19.6%)	51 (36.2%)	Reference	Reference	
Mild	73 (31.7%)	63 (44.7%)	0.76 (0.45-1.29)	0.312	
Moderate	47 (20.4%)	15 (10.6%)	0.29 (0.14-0.57)	<0.001	
Serious	65 (28.3%)	12 (8.51%)	0.17 (0.08-0.34)	<0.001	

Supplementary Table S3. Number of doctor candidates in terms of low satisfaction and high satisfaction

	Low	High	OR (95% CI) ^a	P-value	P-overall
	N=117	N=140			
Score of satisfaction (mean ± SD)	2.27 (1.52)	6.64 (1.28)	--	0.997	<0.001
Medical school year of training					0.903
1st	50 (42.7%)	67 (47.9%)	Reference	Reference	
2nd	29 (24.8%)	31 (22.1%)	0.80 (0.43-1.50)	0.483	
3rd	23 (19.7%)	28 (20.0%)	0.91 (0.47-1.78)	0.778	
4th	7 (5.98%)	7 (5.00%)	0.75 (0.24-2.36)	0.615	
Other	8 (6.84%)	7 (5.00%)	0.66 (0.21-1.98)	0.452	
University location					0.977
First-tier city	78 (66.7%)	92 (65.7%)	Reference	Reference	
Other	39 (33.3%)	48 (34.3%)	1.04 (0.62-1.76)	0.874	
University type					0.854
Other	28 (23.9%)	36 (25.7%)	Reference	Reference	
"Double world-class" university	89 (76.1%)	104 (74.3%)	0.91 (0.51-1.61)	0.746	
Degree category					1.000
Academic	60 (51.3%)	72 (51.4%)	Ref.	Reference	
Professional	57 (48.7%)	68 (48.6%)	0.99 (0.61-1.63)	0.981	
Research direction					0.848
Basic	52 (44.4%)	55 (39.3%)	Reference	Reference	
Clinical	17 (14.5%)	24 (17.1%)	1.33 (0.64-2.80)	0.445	
Both	42 (35.9%)	54 (38.6%)	1.21 (0.70-2.12)	0.494	
Uncertain	6 (5.13%)	7 (5.00%)	1.10 (0.34-3.71)	0.876	
Research working time per day					0.658
1-3h	15 (12.8%)	17 (12.1%)	Reference	Reference	
4-6h	16 (13.7%)	24 (17.1%)	1.32 (0.51-3.43)	0.569	
7-9h	31 (26.5%)	30 (21.4%)	0.86 (0.36-2.03)	0.725	
10-12h	29 (24.8%)	43 (30.7%)	1.31 (0.56-3.05)	0.538	
≥13h	26 (22.2%)	26 (18.6%)	0.88 (0.36-2.16)	0.787	
Number of published papers					0.024
0	45 (38.5%)	35 (25.0%)	Reference	Reference	
1	21 (17.9%)	31 (22.1%)	1.89 (0.93-3.88)	0.079	
2	18 (15.4%)	26 (18.6%)	1.84 (0.88-3.95)	0.108	
3	14 (12.0%)	17 (12.1%)	1.55 (0.67-3.64)	0.304	
5	2 (1.71%)	15 (10.7%)	8.91 (2.28-64.6)	0.001	
6	17 (14.5%)	16 (11.4%)	1.21 (0.53-2.75)	0.651	
Number of participating projects					0.024
0	16 (13.7%)	6 (4.29%)	Reference	Reference	
1	51 (43.6%)	54 (38.6%)	2.76 (1.04-8.35)	0.042	
2	33 (28.2%)	48 (34.3%)	3.78 (1.38-11.7)	0.009	
3	10 (8.55%)	24 (17.1%)	6.08 (1.90-21.9)	0.002	
≥4	7 (5.98%)	8 (5.71%)	2.93 (0.73-12.6)	0.13	
Marital status					0.919
Single	35 (29.9%)	37 (26.4%)	Reference	Reference	
In love	41 (35.0%)	54 (38.6%)	1.24 (0.67-2.31)	0.489	
Married	18 (15.4%)	21 (15.0%)	1.10 (0.50-2.44)	0.809	
Child bearing	23 (19.7%)	28 (20.0%)	1.15 (0.56-2.38)	0.706	
Research learning style					0.011
Guided	62 (53.0%)	97 (69.3%)	Reference	Reference	
Unguided	55 (47.0%)	43 (30.7%)	0.50 (0.30-0.83)	0.008	
Sense of time urgency (mean ± SD)	5.73 (1.66)	5.69 (1.29)	0.98 (0.83-1.16)	0.855	0.858
Score of GAD-7 (mean ± SD)	11.1 (5.59)	7.70 (4.69)	0.88 (0.84-0.93)	<0.001	<0.001
Degree of anxiety (GAD-7)					<0.001
Minimal	13 (11.1%)	38 (27.1%)	Reference	Reference	
Mild	41 (35.0%)	60 (42.9%)	0.51 (0.23-1.05)	0.068	
Moderate	29 (24.8%)	31 (22.1%)	0.37 (0.16-0.82)	0.014	
Serious	34 (29.1%)	11 (7.86%)	0.11 (0.04-0.28)	<0.001	
Score of PHQ-9 (mean ± SD)	11.5 (6.80)	7.55 (4.96)	0.89 (0.85-0.93)	<0.001	<0.001
Degree of depression (PHQ-9)					<0.001
Minimal	15 (12.8%)	41 (29.3%)	Reference	Reference	
Mild	36 (30.8%)	60 (42.9%)	0.61 (0.29-1.25)	0.182	
Moderate	31 (26.5%)	27 (19.3%)	0.32 (0.14-0.70)	0.004	
Serious	35 (29.9%)	12 (8.57%)	0.13 (0.05-0.31)	<0.001	