

Supplementary Table 6. Frequency of Abnormal MMPI Content, Supplementary and Harris-Lingoes Scales According to IBS Phenotypes

Scale	IBS-C	IBS-D	IBS-M	IBS-U	P-value
Content scales					
Anxiety (ANX)	18 (23)	18 (26)	19 (35)	5 (14)	0.143
Fears (FRS)	13 (17)	16 (24)	7 (13)	6 (17)	0.483
Obsessiveness (OBS)	11 (14)	7 (10)	16 (30)	5 (14)	0.028
Depression (DEP)	12 (16)	11 (16)	16 (30)	6 (17)	0.172
Health concern (HEA)	39 (51)	35 (51)	38 (70)	15 (42)	0.036
Bizarre mentation (BIZ)	10 (13)	11 (16)	16 (30)	5 (14)	0.076
Anger (ANG)	3 (4)	4 (6)	6 (11)	2 (6)	0.409
Cynicism (CYN)	21 (27)	10 (15)	21 (39)	6 (17)	0.012
Antisocial practices (ASP)	8 (10)	4 (6)	8 (15)	3 (8)	0.417
Type A behaviors (TPA)	8 (10)	5 (7)	11 (20)	3 (8)	0.123
Low self-esteem (LES)	10 (13)	4 (6)	7 (13)	5 (14)	0.451
Social discomfort (SOD)	3 (4)	12 (18)	8 (15)	3 (8)	0.045
Family problems (FAM)	5 (6)	12 (18)	8 (15)	5 (14)	0.220
Work interference (WRK)	14 (18)	12 (18)	17 (31)	5 (14)	0.135
Negative treatment indicators (TRT)	13 (17)	12 (18)	20 (37)	6 (17)	0.021
Supplementary scales					
Ego strength (Es)	0	0	0	0	-
MacAndrew alcoholism revised scale (Mac-R)	7 (9)	3 (4)	8 (15)	2 (6)	0.198
Addiction potential scale (APS)	3 (4)	0	2 (4)	0	0.255
Addiction acknowledgment scale (AAS)	3 (4)	8 (12)	9 (17)	5 (14)	0.101
Anxiety scale (A)	14 (18)	14 (21)	16 (30)	7 (19)	0.437
Repression scale (R)	5 (6)	3 (4)	3 (6)	2 (6)	0.960
Overcontrolled hostility (O-H)	7 (9)	4 (6)	3 (6)	2 (6)	0.814
Dominance scale (Do)	0	0	0	0	-
Social responsibility scale (Re)	0	1 (1)	1 (2)	1 (3)	0.615
College maladjustment (Mt)	18 (23)	15 (22)	26 (48)	6 (17)	0.002
Marital distress score (MDS)	11 (14)	14 (21)	18 (33)	11 (31)	0.047
Post-traumatic stress disorder scale (PK)	12 (16)	13 (19)	24 (44)	6 (17)	0.001
Post-traumatic stress disorder scale (PS)	13 (17)	16 (24)	24 (44)	6 (17)	0.002
Masculine gender role (GM)	0	0	0	1 (3)	0.136
Feminine gender role (GF)	3 (4)	1 (1)	2 (4)	1 (3)	0.834
Harris-Lingoes scales					
Subjective depression (D1)	17 (26)	19 (29)	21 (32)	8 (12)	0.162
Psychomotor retardation (D2)	3 (16)	5 (26)	5 (26)	6 (32)	0.137
Physical malfunctioning (D3)	42 (39)	24 (22)	34 (31)	8 (7)	<0.001
Mental dullness (D4)	15 (25)	19 (32)	18 (30)	8 (13)	0.305
Brooding (D5)	9 (27)	11 (33)	10 (30)	3 (9)	0.479
Denial of social anxiety (Hy1)	0	0	0	0	-
Need for affection (Hy2)	0	2 (100)	0	0	0.175
Lassitude malaise (Hy3)	27 (28)	27 (28)	30 (32)	11 (12)	0.057

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Supplementary Table 6. Continued

Scale	IBS-C	IBS-D	IBS-M	IBS-U	P-value
Somatic complaints (Hy4)	29 (29)	31 (31)	28 (28)	11 (11)	0.169
Inhibition of aggression (Hy5)	0	1 (50)	1 (50)	0	0.585
Familial discord (Pd1)	7 (29)	7 (29)	4 (17)	6 (25)	0.531
Authority problems (Pd2)	0	3 (38)	4 (50)	1 (13)	0.123
Social imperturbability (Pd3)	0	0	0	0	-
Social alienation (Pd4)	12 (28)	9 (21)	16 (37)	6 (14)	0.100
Self-alienation (Pd5)	9 (26)	6 (18)	15 (44)	4 (12)	0.016
Persecutory ideas (Pa1)	19 (28)	21 (30)	23 (33)	6 (9)	0.041
Poignancy (Pa2)	11 (26)	9 (21)	17 (40)	5 (12)	0.031
Naiveté (Pa3)	1 (14)	3 (43)	1 (14)	2 (29)	0.513
Social alienation (Sc1)	16 (33)	13 (27)	15 (31)	5 (10)	0.432
Emotional alienation (Sc2)	14 (26)	12 (22)	19 (35)	9 (17)	0.081
Lack of ego mastery, cognitive (Sc3)	16 (30)	12 (22)	22 (41)	4 (7)	0.003
Lack of ego mastery, conative (Sc4)	14 (21)	19 (29)	24 (36)	9 (14)	0.011
Lack of ego mastery, defective inhibition (Sc5)	13 (36)	9 (25)	10 (28)	4 (11)	0.731
Bizarre sensory experiences (Sc6)	22 (52)	20 (48)	0	0	0.039
Amorality (Ma1)	2 (40)	3 (60)	0	0	0.291
Psychomotor acceleration (Ma2)	2 (67)	0	0	1 (33)	0.349
Imperturbability (Ma3)	2 (67)	0	0	1 (33)	0.349
Ego inflation (Ma4)	4 (22)	4 (22)	6 (33)	4 (22)	0.479
Shyness/self-consciousness (Si1)	3 (33)	1 (11)	4 (44)	1 (11)	0.390
Social avoidance (Si2)	0	9 (50)	5 (28)	4 (22)	0.052
Alienation-self and others (Si3)	17 (33)	11 (22)	18 (35)	5 (10)	0.078

Values are presented as number (%).

MMPI, Minnesota Multiphasic Personality Inventory; IBS, Irritable bowel syndrome; IBS-C, IBS-constipation; IBS-D, IBS-diarrhea; IBS-M, mixed IBS; IBS-U, IBS-unspecified.