

Table 4. Cluster Analysis Results: Mean Scores and significant differences Among Three Clusters in Executive Functions, Social Cognition, Behaviour Changes and Emotional Disorders

Cognitive-Behavioural Domain	Test	Test Scores, mean (SD)			p values		
		Cluster 1 (n= 17)	Cluster 2 (n= 72)	Cluster 3 (n= 32)	Cluster 1-2	Cluster 2-3	Cluster 1-3
Executive Functions	FAS	29.95 (7.37)	32.76 (9.36)	23.56 (8.36)	0.279	< 0.001	0.006
	CAT	52.41 (11.34)	51.73 (11.39)	40.91 (9.03)	0.895	< 0.001	0.001
	FAB	15.58 (1.93)	15.55 (1.52)	12.82 (3.23)	0.706	< 0.001	0.002
	TMT B-A	53.78 (60.08)	45.55 (39.63)	149.89 (109.85)	0.962	< 0.001	< 0.001
	WCST	5.97 (4.42)	6.97 (3.79)	11.61 (7.56)	0.592	0.003	0.020
Social Cognition	RMET-36	0.44 (0.83)	0.41 (0.83)	-0.35 (0.82)	0.784	< 0.001	0.0032
	EK-60F	47.08 (4.73)	47.63 (5.88)	42.30 (8.11)	0.626	< 0.001	0.016
	SET-IA	4.91 (1.25)	5.02 (0.90)	3.36 (1.35)	0.788	< 0.001	< 0.001
	SET-EA	4.88 (0.97)	4.91 (0.80)	2.56 (1.18)	0.948	< 0.001	< 0.001
	SET-GS	14.64 (2.37)	14.43 (2.42)	8.74 (2.83)	0.588	< 0.001	< 0.001
Behaviour changes	FRSBE- Apathy	62.87 (12.07)	60.13 (9.50)	60.44 (10.54)	0.861	0.987	0.695
	FRSBE-Dysexecutive	52.84 (7.81)	55.55 (6.76)	56.53 (8.19)	0.061	0.677	0.127
	FRSBE-Disinhibition	49.27 (8.25)	53.42 (8.59)	53.37 (10.86)	0.189	0.987	0.271
	FRSBE-Total Score	55.17 (9.73)	57.08 (7.60)	56.84 (9.14)	0.314	0.756	0.446
Emotional disorders	HADS- Anxiety	12.59 (2.87)	5.64 (2.10)	6.89 (2.64)	< 0.001	0.014	< 0.001
	HADS- Depression	10 (2.80)	3.79 (1.71)	4.96 (3.08)	< 0.001	0.019	< 0.001

EF: Executive Functions; EK-60F: Ekman-60 Faces Test, RMET-36: Reading the Mind in the Eyes Test, SET-IA: Story-Based Empathy Task-Global Score; FAS: Letter Fluency Test; CAT: Category Fluency Test; TMT B-A: Trail Making Test B-A; FAB: Frontal Assessment Battery, WCST: Wisconsin Card Sorting Test. R2 adj were obtained with multiple linear regression analysis. **p values were obtained with Mann-Whitney U test with Bonferroni correction for multiple comparison, significant p value was set at: 0.003 (0.05/16). Significant p-values are reported in bold.**