

Title: **Brain structure of martial artists. A case-control voxel- and surface-based morphometric study**

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Table SI 1 Detailed information on psychiatric symptoms (five subscales of the BPRS), psychopathic traits (eight subscales of the PPI-R) and early childhood traumata (five subscales of the CTQ) in martial artists compared to controls.

	Martial artists (<i>n</i> = 29)	Controls (<i>n</i> = 32)	Statistics
Psychiatric symptoms (BPRS)			
- Anxiety/depression	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.25)	<i>U</i> = 390.50, <i>Z</i> = -1.35, <i>p</i> = .178
- Anergia	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.13)	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>U</i> = 436.50, <i>Z</i> = -.55, <i>p</i> = .579
- Thought disorder	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>U</i> = 443.50, <i>Z</i> = -.43, <i>p</i> = .669
- Activation	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.25)	<i>U</i> = 378.00, <i>Z</i> = -1.93, <i>p</i> = .053
- Hostility/mistrust	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>Mdn</i> = 1.00 (<i>Q1</i> = 1.00, <i>Q3</i> = 1.00)	<i>U</i> = 452.00, <i>Z</i> = -.46, <i>p</i> = .644
Psychopathy (PPI-R)			
- Debt externalization	<i>Mdn</i> = 22.00 (<i>Q1</i> = 19.50, <i>Q3</i> = 27.50)	<i>Mdn</i> = 24.50 (<i>Q1</i> = 19.25, <i>Q3</i> = 30.25)	<i>U</i> = 415.50, <i>Z</i> = -.70, <i>p</i> = .483
- Rebellious risk-taking	<i>Mdn</i> = 57.00 (<i>Q1</i> = 52.00, <i>Q3</i> = 64.50)	<i>Mdn</i> = 52.00 (<i>Q1</i> = 42.25, <i>Q3</i> = 59.75)	<i>U</i> = 317.00, <i>Z</i> = -2.13, <i>p</i> = .034*
- Stressimmunity	<i>Mdn</i> = 50.00 (<i>Q1</i> = 43.00, <i>Q3</i> = 53.50)	<i>Mdn</i> = 45.00 (<i>Q1</i> = 41.25, <i>Q3</i> = 48.00)	<i>U</i> = 339.00, <i>Z</i> = -1.82, <i>p</i> = .068
- Social influence	<i>Mdn</i> = 46.00 (<i>Q1</i> = 42.00, <i>Q3</i> = 50.50)	<i>Mdn</i> = 43.00 (<i>Q1</i> = 39.25, <i>Q3</i> = 49.75)	<i>U</i> = 392.50, <i>Z</i> = -1.03, <i>p</i> = .301
- Coldheartedness	<i>Mdn</i> = 33.00 (<i>Q1</i> = 30.00, <i>Q3</i> = 38.00)	<i>Mdn</i> = 32.50 (<i>Q1</i> = 28.25, <i>Q3</i> = 39.25)	<i>U</i> = 453.50, <i>Z</i> = -.15, <i>p</i> = .879
- Machiavellian Egoism	<i>Mdn</i> = 36.00 (<i>Q1</i> = 31.00, <i>Q3</i> = 39.00)	<i>Mdn</i> = 36.00 (<i>Q1</i> = 33.00, <i>Q3</i> = 38.00)	<i>U</i> = 422.00, <i>Z</i> = -.61, <i>p</i> = .543
- Careless planlessness	<i>Mdn</i> = 30.00 (<i>Q1</i> = 25.50, <i>Q3</i> = 33.50)	<i>Mdn</i> = 27.00 (<i>Q1</i> = 26.00, <i>Q3</i> = 32.75)	<i>U</i> = 416.50, <i>Z</i> = -.69, <i>p</i> = .492
- Fearlessness	<i>Mdn</i> = 20.00 (<i>Q1</i> = 18.50, <i>Q3</i> = 23.50)	<i>Mdn</i> = 20.00 (<i>Q1</i> = 14.25, <i>Q3</i> = 22.00)	<i>U</i> = 368.00, <i>Z</i> = -1.39, <i>p</i> = .164
Childhood Trauma (CTQ)			
- Emotional abuse	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 7.00)	<i>Mdn</i> = 6.50 (<i>Q1</i> = 5.00, <i>Q3</i> = 7.75)	<i>U</i> = 382.00, <i>Z</i> = -1.26, <i>p</i> = .208
- Physical mistreatment	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 6.50)	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 5.00)	<i>U</i> = 376.00, <i>Z</i> = -1.78, <i>p</i> = .076
- Sexual abuse	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 5.00)	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 5.00)	<i>U</i> = 432.00, <i>Z</i> = -1.50, <i>p</i> = .134
- Emotional neglect	<i>Mdn</i> = 8.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 12.00)	<i>Mdn</i> = 10.00 (<i>Q1</i> = 6.25, <i>Q3</i> = 13.00)	<i>U</i> = 355.50, <i>Z</i> = -1.58, <i>p</i> = .113
- Physical neglect	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 7.00)	<i>Mdn</i> = 5.00 (<i>Q1</i> = 5.00, <i>Q3</i> = 7.00)	<i>U</i> = 440.50, <i>Z</i> = -.37, <i>p</i> = .710

Abbreviations. BPRS = Brief Psychiatric Rating Scale (CIPS 1977); CTQ = Childhood Trauma Questionnaire (Bernstein et al. 2003); PPI-R = Psychopathic Personality Inventory-Revised (Alpers and Eisenbarth 2008).