Supplementary Materials: The Influence of Personality Traits on Specific Coping Styles and the Development of Posttraumatic Stress Symptoms following Acute Coronary Syndrome: A Cluster Analytic Approach

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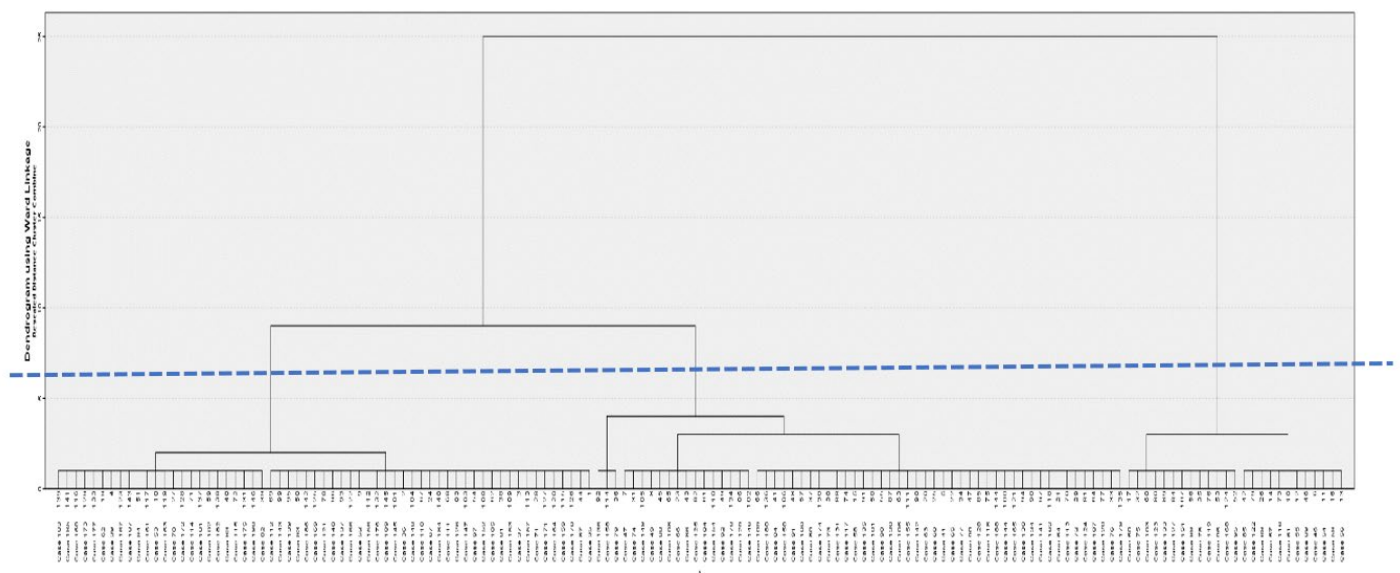
Cluster analysis

Figure S1. Cluster dendogram using Ward method. Dashed line identifies the 3-cluster solution.

Bivariate associations between the assessed variables

Table S1. Bivariate correlations (associations) between variables

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	1	**2**	**3**	**4**	**5**	**6**	**7**
1. Type D personality							
2. Alexithymia	.54**						
3. Resilience	-.46**	-.48**					
4. Emotion oriented coping	.53**	.53**	-.37**				
5. Task oriented coping	-.20*	-.29**	.53**	-.09			
6. Avoidant coping	-.08	-.01	.29**	.00	.34**		
7. PTSS at 3-month follow-up	.36**	.30**	-.41**	.41**	-.25**	-.17*	
8. PTSS at 12-month follow-up	.18	.16	-.30**	.28**	-.16	-.05	.66**

Note: PTSS: Posttraumatic Stress Symptoms; *p<.05; **p<.01

Crosstabs for PTSS

Crosstabs were run to test if there were differences between the obtained clusters with clinically significant PTSS (according to a 10-point cut-off score). Given that the chi-square was significant at 3-month (X^2 = 18.25; p<.001; effect size (Cohen's d) =1.54) and at 12-month follow-up (X^2 = 6.93; p<.05; effect size (Cohen's d) = 1.52), differences between cluster groups were examined through the analysis of the standardized adjusted residuals (absolute values higher than 1.96 are indicative of significant differences). The obtained results (see Supplementary Table 1) show that the highest number of cases with clinically significant PTSS was found in the High Risk profile (cluster 3). By contrast, a high proportion of cases without significant PTSS were found in the Low Risk profile (cluster 1).

Table S2. Crosstab for clinically significant posttraumatic stress disorder symptoms at 3-month follow-up and 12-month follow-up

Cluster		Posttraumatic stress symptoms at 3-month follow-up			Posttraumatic stress symptoms at 12-month follow-up		
		no	yes	Total	no	yes	Total
	Count	45	16	61	31	12	43
1. Low Risk	Expected count	35.1	25.9	61	24.9	18.1	43
	Adjusted residual	3.4	-3.4		2.5	-2.5	
	Count	33	27	60	20	19	39
2. Medium Risk	Expected count	34.5	25.5	60	22.6	16.4	39
	Adjusted residual	-0.5	0.5		-1.1	1.1	
	Count	6	19	25	7	11	18
3. High Risk	Expected count	14.4	10.6	25	10.4	7.6	18
	Adjusted residual	-3.7	3.7		-1.8	1.8	
Chi-square test	Value	18.25		Chi-square test	Value	6.93	
	Df	2			Df	2	
	p	<.001			p	<.05	