

## Central Lancashire Online Knowledge (CLoK)

Title	Effects of family functioning on eating pathology and psychosocial quality of life: the mediating role of self-esteem
Type	Article
URL	<a href="https://clock.uclan.ac.uk/43722/">https://clock.uclan.ac.uk/43722/</a>
DOI	##doi##
Date	2022
Citation	Theodoropoulou, Olga, Gardner, Kathryn Jane orcid iconORCID: 0000-0003-3904-1638, Caswell, Noreen orcid iconORCID: 0000-0001-6832-6822, Holyoak, Lynda orcid iconORCID: 0000-0002-4694-5128 and Gonidakis, Fragiskos (2022) Effects of family functioning on eating pathology and psychosocial quality of life: the mediating role of self-esteem. <i>European Eating Disorders Review</i> . ISSN 1072-4133
Creators	Theodoropoulou, Olga, Gardner, Kathryn Jane, Caswell, Noreen, Holyoak, Lynda and Gonidakis, Fragiskos

It is advisable to refer to the publisher's version if you intend to cite from the work. ##doi##

For information about Research at UCLan please go to <http://www.uclan.ac.uk/research/>

All outputs in CLoK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <http://clock.uclan.ac.uk/policies/>

### Supplementary tables

Table A.

*Means, standard deviations and one-way analyses of variance (ANOVA) in self-esteem, family functioning and psychosocial QoL among the ED Subtypes.*

Measure	AN		BN		BED		<i>F</i> (2,151)	<i>p</i>	$\omega^2$
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>			
Self-esteem	14.60	4.93	14.18	5.77	16.37	5.67	2.29	.105	.02
General family functioning	2.41	.65	2.52	.63	2.28	.61	1.97	.144	.01
Problem solving	2.38	.45	2.45	.56	2.26	.57	1.63	.199	.01
Communication	2.49	.61	2.55	.58	2.33	.62	1.90	.154	.01
Roles	2.53	.43	2.41	.38	2.57	.37	2.25	.108	.02
Affective responsiveness	2.52	.69	2.64	.60	2.36	.73	2.43	.092	.02
Affective involvement	2.21	.55	2.35	.48	2.19	.53	1.54	.217	.01
Behaviour control	2.21	.43	2.18	.40	2.25	.40	.44	.648	.01
Psychological health (QoL)	11.20	3.06	10.88	3.21	11.73	2.88	1.05	.354	.00
Social relationships (QoL)	11.91	3.97	11.64	3.56	11.78	3.80	.07	.934	.01

\*\*\*  $p < .001$ ; \*\*  $p < .01$ ; \*  $p < .05$

*Note:* AN:  $n = 45$ , BN:  $n = 60$ , BED:  $n = 49$

Table B

*Bivariate correlations (two-tailed), means and standard deviations for observed variables with the structural equation model for the patient group (n = 154)*

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Problem solving	-													
2. Communication	.76***	-												
3. Roles	.53***	.56***	-											
4. Affective Responsiveness	.61***	.79***	.44***	-										
5. Affective Involvement	.59***	.72***	.56***	.64***	-									
6. Behaviour Control	.51***	.41***	.48***	.29***	.43***	-								
7. General Functioning	.80***	.89***	.59***	.79***	.77***	.46***	-							
8. Self-esteem	-.31***	-.29***	-.19*	-.33***	-.23**	-.29***	-.31***	-						
9. Psychological Health	-.38***	-.36***	-.23**	-.35***	-.30***	-.30***	-.41***	.74***	-					
10. Social Relationships	-.22**	-.23**	-.25**	-.23**	-.25**	-.26**	-.30***	.51***	.65***	-				
11. Restraint	.13	.10	.07	.12	.16	.00	.18*	-.25**	-.26**	-.16	-			
12. Eating Concern	.22**	.23**	.14	.21**	.23**	.12	.25**	-.43***	-.54***	-.40***	.53***	-		
13. Shape Concern	.21**	.16*	.13	.12	.20*	.09	.24**	-.48***	-.54***	-.40***	.52***	.72***	-	
14. Weight Concern	.18*	.13	.05	.08	.17*	.02	.20*	-.47***	-.51***	-.38***	.53***	.69***	.90***	-
Mean	2.37	2.46	2.49	2.52	2.26	2.21	2.41	15.00	11.24	11.76	2.98	2.66	3.84	3.46
SD	.54	.61	.40	.68	.52	.41	.64	5.55	3.06	3.74	1.68	1.51	1.59	1.56
Range	1-4	1-4	1-4	1-4	1-4	1-4	1-4	0-30	4-20	4-20	0-6	0-6	0-6	0-6

\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$

Table C

*Bivariate correlations (two-tailed), means and standard deviations for observed variables with the structural equation model for the control group (n = 153)*

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Problem Solving	-													
2. Communication	.59***	-												
3. Roles	.48***	.47***	-											
4. Affective Responsiveness	.44***	.70***	.41***	-										
5. Affective Involvement	.40***	.56***	.42***	.40***	-									
6. Behaviour Control	.33***	.46***	.37***	.38***	.36***	-								
7. General Functioning	.66***	.80***	.56***	.72***	.63***	.48***	-							
8. Self-esteem	-.27**	-.35***	-.28***	-.28***	-.35***	-.29***	-.41***	-						
9. Psychological Health	-.36***	-.39***	-.42***	-.30***	-.34***	-.30***	-.46***	.63***	-					
10. Social Relationships	-.26**	-.39***	-.34***	-.39***	-.32***	-.29***	-.49***	.41***	.59***	-				
11. Restraint	-.02	.04	.09	.14	.14	.01	.03	-.11	-.08	.09	-			
12. Eating Concern	-.00	-.10	-.11	-.13	-.22*	-.06	-.16*	-.36***	.34***	.08	-.45***	-		
13. Shape Concern	-.07	.06	.13	.14	.16*	.03	.11	-.35***	-.41***	-.19*	.55***	-.80***	-	
14. Weight Concern	-.13	-.01	.13	.11	.18*	-.02	.06	-.31***	-.35***	-.15	.59***	-.74***	.91***	-
Mean	2.05	2.08	2.34	2.16	2.03	2.00	1.92	20.73	14.61	14.95	1.28	.64	1.60	1.24
SD	.36	.37	.37	.53	.38	.29	.38	4.03	1.98	2.89	1.16	.71	1.28	1.20
Range	1-4	1-4	1-4	1-4	1-4	1-4	1-4	0-30	4-20	4-20	0-6	0-6	0-6	0-6

\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$

*Note:* Means (SD) reported for the four eating pathology variables are prior to transformation but their correlation values are reported post-inverse transformation as they were entered transformed in the SEM analysis.