

**Depression in elderly persons subject to childhood maltreatment is not modulated by corpus callosum and hippocampal loss.**

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<i>Variable</i>	<i>Any adverse event</i>				<i>P-value</i>
	<i>No</i>		<i>Yes</i>		
	<i>n</i>	<i>%</i>	<i>n</i>	<i>%</i>	
	<i>N=91</i>		<i>N=336</i>		
Nart Score	21.01	(5.62)	21.49	(5.87)	0.48
Alcohol (g/day)					
<12	15	16.48	49	15.03	0.24
12-36	62	68.13	246	75.46	
>36	14	15.38	31	9.51	

\*CES-D  $\geq$  16 or currently treated with anti-depressants

**Table 2.** Associations between sociodemographic variables, clinical characteristics and corpus callosum (CC) area ratio, and hippocampal (HC) volume ratio.

Variable	CC area ratio		HC volume ratio	
	Correlation coefficient or mean (SD)	p-value	Correlation coefficient or mean (SD)	p-value
Age (in years)	-0.22	<.0001	-0.14	0.004
NART Score	-0.05	0.38	0.02	0.70
<b>Gender</b>				
Men (n=208)	0.58 (0.09)	0.001	5.64 (0.76)	0.05
Women (n=219)	0.61 (0.09)		5.78 (0.66)	
<b>Lifetime major depressive episode</b>				
No (n=300)	0.59 (0.09)	0.14	5.65 (0.70)	0.06
Yes, currently (n=8)	0.58 (0.06)		6.00 (0.70)	
Yes, in the past (n=105)	0.61 (0.09)		5.81 (0.73)	
<b>Serious events after 18 yrs</b>				
No (n=271)	0.59 (0.09)	0.20	5.72 (0.72)	0.04
Yes (n=74)	0.58 (0.10)		5.53 (0.67)	
<b>Recent events - last 2 yrs</b>				
0 (n=171)	0.60 (0.10)	0.91	5.70 (0.72)	0.11
1 (n=139)	0.60 (0.09)		5.64 (0.74)	
2 or more (n=103)	0.60 (0.09)		5.83 (0.66)	
<b>Lifetime head injury</b>				
No (n=385)	0.60 (0.10)	0.02	5.72 (0.71)	0.42
Yes (n=37)	0.57 (0.08)		5.62 (0.70)	
<b>Parents had problems with alcohol</b>				
No (n=384)	0.60 (0.09)	0.15	5.71 (0.71)	0.72
Yes (n=43)	0.62 (0.11)		5.67 (0.74)	

**Table 3.** Association of adverse events with corpus callosum (CC) area ratio and hippocampal (HC) volume ratio adjusted for age, sex and head injury

Variable	Whole sample			
	CC area ratio		HC ratio	
	mean (SD)	p-value	mean (SD)	p-value
<b>Any adverse event</b>				
No (n=91)	0.58 (0.11)	0.43	5.54 (0.87)	0.07
Yes (n=336)	0.59 (0.15)		5.70 (1.15)	
<b>Physical and / or sexual abuse</b>				
No (n=91)	0.58 (0.16)	0.90	5.69 (1.42)	0.40
Yes (n=13)	0.58 (0.10)		5.90 (0.86)	
<b>Verbal abuse from parents</b>				
No (n=91)	0.58 (0.15)	0.45	5.69 (1.21)	0.35
Yes (n=28)	0.60 (0.10)		5.85 (0.83)	
<b>Humiliation, mental cruelty or excessive physical mistreatment</b>				
No (n=91)	0.57 (0.14)	0.65	5.58 (1.23)	0.31
Yes (n=39)	0.58 (0.10)		5.75 (0.90)	
<b>Mental disorder in parents</b>				
No (n=91)	0.57 (0.14)	0.05	5.60 (1.11)	0.13
Yes (n=79)	0.60 (0.13)		5.78 (1.01)	
<b>Poverty, financial difficulties</b>				
No (n=91)	0.58 (0.14)	0.07	5.58 (1.08)	0.02
Yes (n=108)	0.60 (0.14)		5.84 (1.06)	
<b>Parents too often shared their problems with children</b>				
No (n=91)	0.58 (0.15)	0.50	5.59 (1.26)	0.56
Yes (n=58)	0.59 (0.13)		5.67 (1.09)	
<b>Death of parent</b>				
No (n=91)	0.57 (0.14)	0.44	5.58 (1.14)	0.51
Yes (n=77)	0.56 (0.13)		5.65 (1.06)	
<b>Experienced war/ catastrophe</b>				
No (n=91)	0.58 (0.12)	0.53	5.55 (0.92)	0.06
Yes (n=246)	0.59 (0.15)		5.72 (1.14)	