

Table SI. Kolmogorov- Smirnov tests for normality results.

		Young Controls		Old Controls		Old Group1		Old Group2	
		TL pre	TL post	TL pre	TL post	TL pre	TL post	TL pre	TL post
<b>Most Extreme Differences</b>	<b>Absolute</b>	0.047	0.040	0.080	0.150	0.052	0.137	0.079	0.240
	<b>Positive</b>	0.047	0.040	0.080	0.150	0.052	0.137	0.079	0.240
	<b>Negative</b>	0.029	0.037	0.038	0.086	0.034	0.068	0.039	0.152
<b>Test Statistic</b>		0.047	0.040	0.080	0.150	0.052	0.137	0.079	0.240
<b>p</b>		0.004	0.028	<0.001	<0.001	0.004	<0.001	<0.001	<0.001

Table SII. Bivariate comparisons of groups in TL at baseline (start) and at the end of the experiment. Use of adjusted t-tests (LSD, Dunnett and Bonferroni).

		<b>LSD</b>			<b>Bonferroni</b>			<b>Dunnett</b>
		<b>(J) Group</b>			<b>(J) Group</b>			<b>t</b>
		<b>Old</b>	<b>Old</b>	<b>Old</b>	<b>Old</b>	<b>Old</b>	<b>Old</b>	<b>OC-18</b>
		<b>Controls</b>	<b>Group1</b>	<b>Group2</b>	<b>Controls</b>	<b>Group1</b>	<b>Group2</b>	
TL	Group	p	p	p	p	p	p	p
Pre	<b>Old</b>		0.608	0.600		1.000	1.000	
	<b>Controls</b>							
	<b>Old</b>	0.608		0.988	1.000		1.000	0.835
	<b>Group1</b>							
	<b>Old</b>	0.600	0.988		1.000	1.000		0.828
	<b>Group2</b>							
Post	<b>Old</b>		<0.001	<0.001		<0.001	<0.001	
	<b>Controls</b>							
	<b>Old</b>	<0.001		<0.001	<0.001		<0.001	<0.001
	<b>Group1</b>							
	<b>Old</b>	<0.001	<0.001		<0.001	<0.001		<0.001
	<b>Group2</b>							

Table SIII. Bivariate comparisons of groups in TL at the start and at the end of the experiment. Use of adjusted Dunn's test

<b>Group (i)</b>	<b>Group (j)</b>	<b>Z</b>	<b>p*</b>	<b>Adjusted p**</b>
<b>Old Group1</b>	<b>Old Group1</b>	-9.24	<0.001	<0.001
<b>Old Group1</b>	<b>Old Group2</b>	-10.27	<0.001	<0.001
<b>Old Group2</b>	<b>Old Group2</b>	-1.011	0.312	0.935

\* asymptotic significance

\*\* adjusted by Bonferroni correction.

Table SIV. TL difference ( $\Delta$ TL=post-pre) and TL rate/month ( $\Delta$ TL/month) of control and treatment groups

$\Delta$ TL	Mean	95%LL	95%UL	Median
<b>Young Controls</b>	4932	5050	4815	4855
<b>Old Controls</b>	2149	2204	2094	2135
<b>Old Group1</b>	102	241	-36	991
<b>Old Group2</b>	-3132	-2521	-3743	930
$\Delta$ TL rate	Mean	95%LL	95%UL	Median
<b>Young Controls</b>	1644	1683	1605	1618
<b>Old Controls</b>	716	735	698	712
<b>Old Group1</b>	34	80	-12	330
<b>Old Group2</b>	-1044	-840	-1248	310