

Table S3: Sensitivity analysis of the linear regression models to assess the severity and frequency of decompression illness as a risk factor for reduced executive functioning among divers using severity and frequency of decompression illness as categorical variable. The models were adjusted for age, depressive symptoms, and hazardous alcohol consumption; N=103 divers with complete data.

	% Perseverative responses		% Perseverative errors		% Non-perseverative errors	
Adjusted R ² (p _{Anova})	0.155 (p=0.001)		0.156 (p=0.001)		0.007 (p=0.364)	
	B	95% CI	B	95% CI	B	95% CI
Age (years)						
<40	0		0		0	
40-49	13.85	-0.13 – 27.83	10.68	0.53 – 20.83	0.95	-6.44 – 8.33
50-59	13.64	-0.53 – 27.81	10.11	-0.18 – 20.40	4.89	-2.60 – 12.38
Depressive symptoms ¹	11.51	-5.59 – 28.60	7.88	-4.54 – 20.30	-7.04	-16.07 – 2.00
yes vs. no						
Hazardous alcohol consumption ²	4.67	-5.59 – 14.93	3.31	-4.14 – 10.76	-0.08	-5.50 – 5.34
yes vs. no						
History of decompression illness score ^{3,4}						
N (%)						
0-1	0		0		0	
33 (32.0)						
2	-2.05	-16.66 – 12.57	-1.58	-12.19 – 9.04	-2.73	-10.46 – 4.99
23 (22.3)						
3 – 8	13.96	-0.34 – 28.26	10.53	0.15 – 20.92	-6.21	-13.77 – 1.35
22 (21.4)						
≥ 9	16.20	1.98 – 30.42	11.38	1.05 – 21.70	-6.82	-14.34 – 0.70
25 (24.3)						

¹ Anhedonia or low mood “more than half the days” in the last two weeks. ² AUDIT-C questionnaire score ≥5. ³ Score (in categories) of self-reported history of decompression illness according to severity and frequency of symptoms. Missing n= 1. ⁴ Comparison of medians of WCST (Kruskal-Wallis Test), median (min – max): (1) Percentages of perseverative responses: p <0.01, score 0 – 1= 18 (3 – 88), score 2= 20 (12 – 98), score 3 – 8= 29.5 (8 – 98), score ≥ 9= 32 (8 – 98). (2) Percentage of perseverative errors: p <0.01, score 0 – 1= 16 (3 – 66), score 2= 18 (12 – 73), score 3 – 8= 26.5 (7 – 73), score ≥ 9= 26 (8 – 73). (3) Percentage of non-perseverative errors: p= 0.18, score 0 – 1= 26 (4 – 66), score 2= 25 (2 – 38), score 3 – 8= 18.4 (2 – 59), score ≥ 9= 20 (2 – 58).