

Supplementary file

Individual subject values for changes in spirometric data (VC, Vt, ERV, and IRV) and Crs induced by head-out-of-water immersion, as well as the number of ULC measured in all divers following the fin swimming exercise are reported in the two following tables.

IPE divers

Subject number	ΔVC (L)	ΔERV (L)	ΔIRV (L)	ΔVt (L)	ΔCrs (L/kPa)	ΔULC
1	-0.36	-1.56	1.06	0.14	1.86	35
2	-0.45	-1.12	0.47	0.20	0.91	17
5	-0.49	-1.56	0.90	0.17	1.39	25
6	-0.56	-2.05	1.30	0.19	1.81	33
7	-0.48	-1.80	1.13	0.18	1.51	33
9	-0.53	-1.51	0.80	0.19	1.35	18
13	-0.43	-0.77	0.10	0.24	0.68	9
15	-0.37	-1.44	0.85	0.22	1.15	19

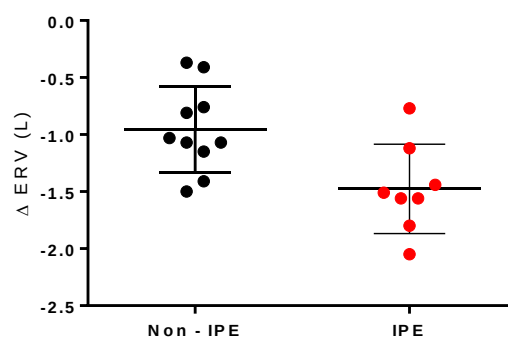
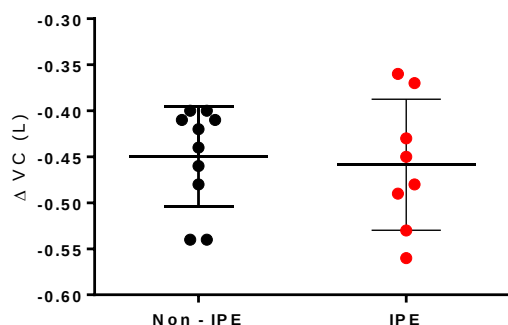
Non-IPE divers

Subject number	ΔVC (L)	ΔERV (L)	ΔIRV (L)	ΔVt (L)	ΔCrs (L/kPa)	ΔULC
3	-0.42	-1.03	0.40	0.21	0.85	5
4	-0.41	-0.41	-0.23	0.24	0.28	0
8	-0.44	-1.15	0.50	0.21	0.94	22
10	-0.41	-0.76	0.10	0.24	0.44	0
11	-0.46	-1.41	0.74	0.21	1.12	24
12	-0.54	-1.07	0.37	0.16	0.9	11
14	-0.40	-0.81	0.16	0.25	0.71	8
16	-0.40	-0.37	-0.23	0.21	0.24	0
17	-0.54	-1.07	0.37	0.16	0.9	11
18	-0.48	-1.50	0.86	0.15	1.22	16

Vital capacity (VC); Expiratory reserve volume (ERV); Inspiratory reserve volume (IRV); Tidal volume (Vt); Ultrasound lung comets (ULC)

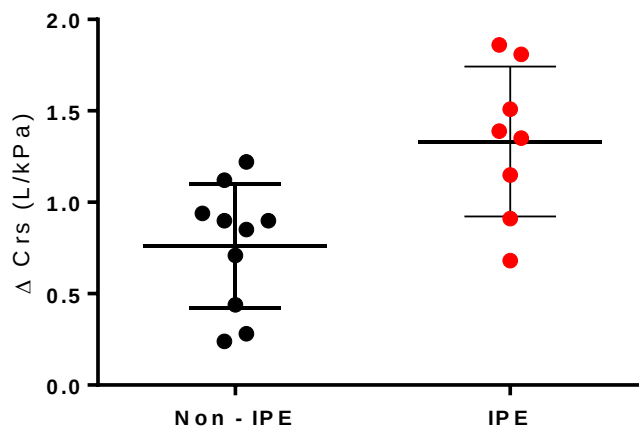
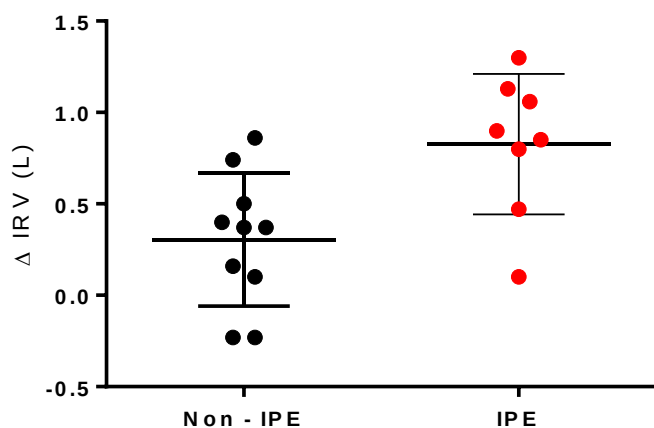
Comparative analysis of changes to VC, ERV, IRV and C_{rs} induced by head-out-of-water immersion for IPE and non-IPE subjects

ΔVC			ΔERV		
	Non-IPE	IPE		Non-IPE	IPE
Minimum	-0.54	-0.56	Minimum	-1.5	-2.05
25% Percentile	-0.495	-0.52	25% Percentile	-1.215	-1.74
Median	-0.43	-0.465	Median	-1.05	-1.535
75% Percentile	-0.4075	-0.385	75% Percentile	-0.6725	-1.2
Maximum	-0.4	-0.36	Maximum	-0.37	-0.77
Mean	-0.45	-0.4588	Mean	-0.958	-1.476
Std. Deviation	0.05416	0.071	Std. Deviation	0.376	0.3921
Std. Error of Mean	0.01713	0.0251	Std. Error of Mean	0.1189	0.1386
Lower 95% CI	-0.4887	-0.5181	Lower 95% CI	-1.227	-1.804
Upper 95% CI	-0.4113	-0.3994	Upper 95% CI	-0.689	-1.148
Mann Whitney test			Mann Whitney test		
P value	0.7122	not significant	P value	0.0079	Significant



Each point corresponds to the value observed for an individual subject. Divers in the non-IPE group are represented by black dots ($n=10$); the red dots correspond to divers in the IPE group ($n=8$).

ΔIRV			ΔCrs		
	Non-IPE	IPE		Non-IPE	IPE
Minimum	-0.23	0.1	Minimum	0.24	0.68
25% Percentile	0.0175	0.5525	25% Percentile	0.4	0.97
Median	0.37	0.875	Median	0.875	1.37
75% Percentile	0.56	1.113	75% Percentile	0.985	1.735
Maximum	0.86	1.3	Maximum	1.22	1.86
Mean	0.304	0.8263	Mean	0.76	1.333
Std. Deviation	0.3634	0.384	Std. Deviation	0.3377	0.4104
Std. Error of Mean	0.1149	0.1358	Std. Error of Mean	0.1068	0.1451
Lower 95% CI	0.04407	0.5052	Lower 95% CI	0.5184	0.9894
Upper 95% CI	0.5639	1.147	Upper 95% CI	1.002	1.676
Mann Whitney test			Mann Whitney test		
P value	0.0126	Significant	P value	0.0079	Significant



Each point corresponds to the value observed for an individual subject. Divers in the non-IPE group are represented by black dots ($n=10$); the red dots correspond to divers in the IPE group ($n=8$).