

Supplementary Table 1: Association of clinical variables with O₂ pulse parameters (cohort B)

Variable	O ₂ pulse ^{PEAK}	O ₂ pulse ^{AT}	O ₂ pulse slope ^{PEAK}	O ₂ pulse slope ^{AT}
Ventricular dominance (Right vs left vs biventricular)	U=1428, p=0.07	U=1227, p=0.15	U=1376, p=0.12	U=1177, p=0.24
Ventricular function (Normal vs impaired)	U=1645, p=0.79	U=1299, p=0.85	U=1387, p=0.33	U=1117, p=0.61
Fontan type (Extracardiac vs other)	U=1644, p=0.08	U=1504, p=0.34	U=1783, p=0.78	U=1450, p=0.64
Age at Fontan completion	r=-0.19, p=0.03	r=-0.20, p=0.03	r=-0.11, p=0.24	r=-0.07, p=0.48
Fenestration	U=1774, p=0.80	U=1197, p=0.12	U=1593, p=0.75	U=1232, p=0.75
Atrioventricular valve regurgitation (None-trivial vs mild or more)	U=1334, p=0.10	U=1248, p=0.78	U=1513, p=0.97	U=847, p=0.03
Presence of permanent pacemaker (n=17)	U=586, p=0.60	U=444, p=0.51	U=458, p=0.31	U=405, p=0.29
Heart-rate limiting medications (n=28)	U=1236, p=0.61	U=1123, p=0.98	U=1102, p=0.79	U=986, p=0.92
FEV ₁ % predicted	r=0.16, p=0.08	r=0.11, p=0.26	r=0.13, p=0.16	r=0.16, p=0.1
FVC % predicted	r=0.19, p=0.03	r=0.12, p=0.21	r=0.20, p=0.03	r=0.21, p=0.03

AT - anaerobic threshold, FEV₁ - forced expiratory volume in 1 second, FVC - forced vital capacity