**Appendix - Supplementary material**

**Differences in cerebral oxygenation during exercise in patients with idiopathic pulmonary fibrosis with and without exertional hypoxemia: Does exercise intensity matter?**

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Supplemental figures

Figure 1S. Correlations between the average response in pre-frontal oxygenated hemoglobin (O2Hb) during the maximal cardiopulmonary (CPET) test with (A) dyspnea at exercise termination, (B) exercise duration during CPET, and C) Diffusion Capacity for carbon monoxide (DLCO), (D) 6-Minute Walk Test Distance. rho: Spearman, r: Pearson correlation



Figure 2S. Correlations between the average response in pre-frontal deoxygenated hemoglobin (HHb) during the maximal cardiopulmonary (CPET) test with (A) dyspnea at exercise termination, (B) Diffusion Capacity for carbon monoxide (DLCO), (C) 6-Minute Walk Test Distance. rho: Spearman correlation, r: Pearson correlation



Figure 3S. Correlations between the average response in pre-frontal hemoglobin difference (Hbdifference) during the maximal cardiopulmonary (CPET) test with (A) dyspnea at exercise termination, (B) Diffusion Capacity for carbon monoxide (DLCO), (C) 6-Minute Walk Test Distance, (D) difference in % desaturation (DSpO2=SpO2rest-SpO2nadir) during 6-Minute Walk Test.  
rho: Spearman correlation, r: Pearson correlation



Figure 4S. Correlations between the average response in pre-frontal oxygenated hemoglobin (O2Hb) at 25% of maximal oxygen uptake (VO2peak) with (A) exercise duration in the maximal cardiopulmonary (CPET) test and (B) dyspnea at exercise termination   
r: Pearson correlation, rho: Spearman correlation

