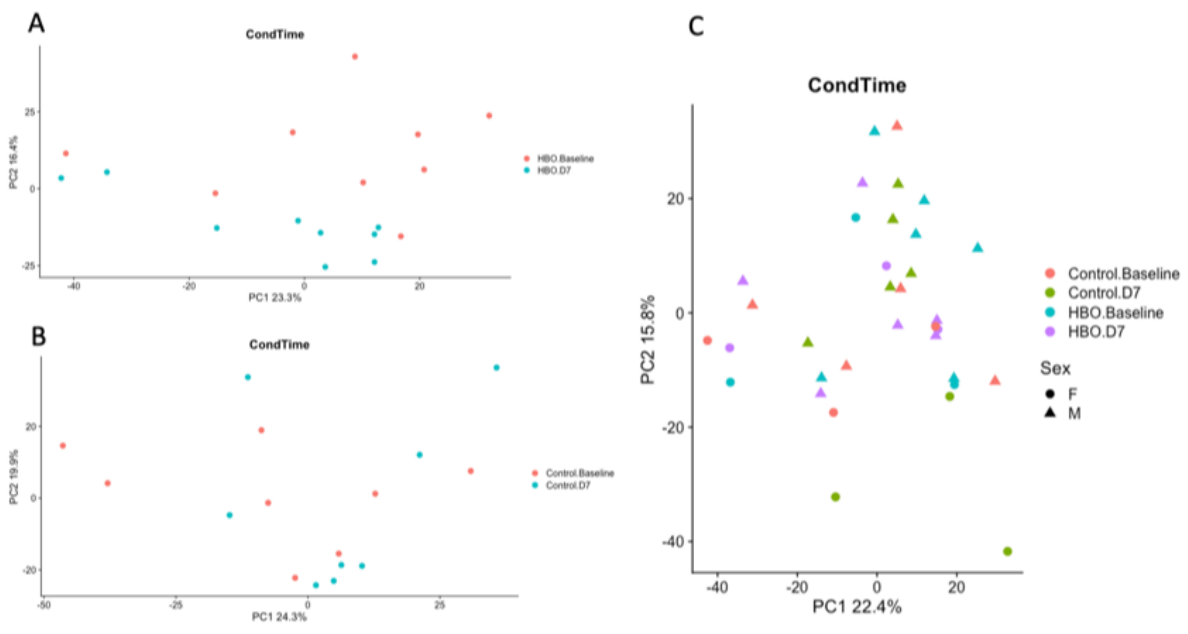


1 **SUPPLEMENTARY FIGURES**

2 **Figure S1. Principal Component Analysis**



3

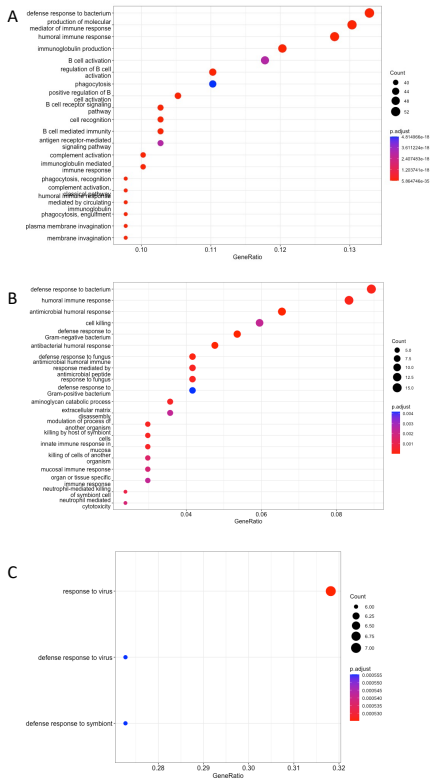
4 Figure S1. PCA A-B Show individual DEGs from baseline to day 7 in HBOT (A) and Control (B). C. Show

5 individual DEGs distribution by sex, females seem to be more towards PC1 axis but there is an overlap between

6 sexes and no difference in PC2 axis.

7

8 **Figure S2. GO terms**



9

10 Figure S2. GO common genes.

11 Pathway enrichment results from the GO analysis A-C). Downregulated genes in HBOT treated subjects (A)

12 Upregulated genes in HBOT treated Enriched pathways for the 24 genes common for both interventions (C). Dot

13 color indicates gene count (number) and dot size the adjusted p-value.

14

15 **Figure S3. Major Sub-cell types and IL-6**

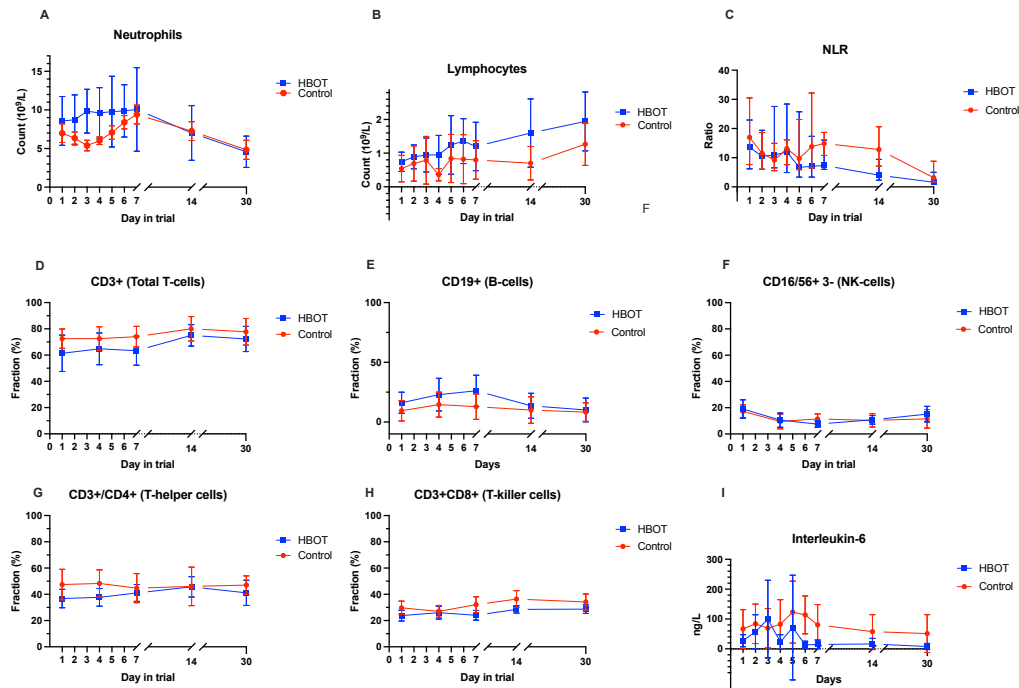


Figure S3. A-B. Absolute cell counts of (A) Neutrophils and (B) Lymphocytes. C. Neutrophil-to-Lymphocyte ratio, D-F Fractions of Total T-cells (D), B-cells (E), and NK-cells (F). G-H. Fractions of T-helper cells (G) and T-killer cells (H). I. Interleukin-6 concentration in plasma. No significant differences between the two groups. Presented as mean (SD).

Figure S4. Lymphocyte profile including FITMAN T-cell panel and regulatory T-cell panel

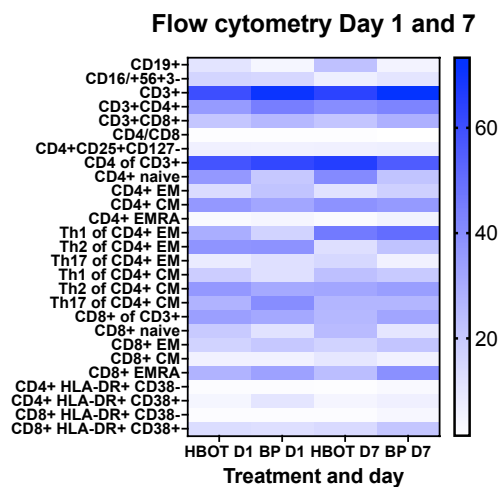


Figure S4. Heatmap showing the lymphocyte profile including FITMAN T-cell panel and regulatory T-cell panels with no significant differences between the groups. Bars are geometric means.

