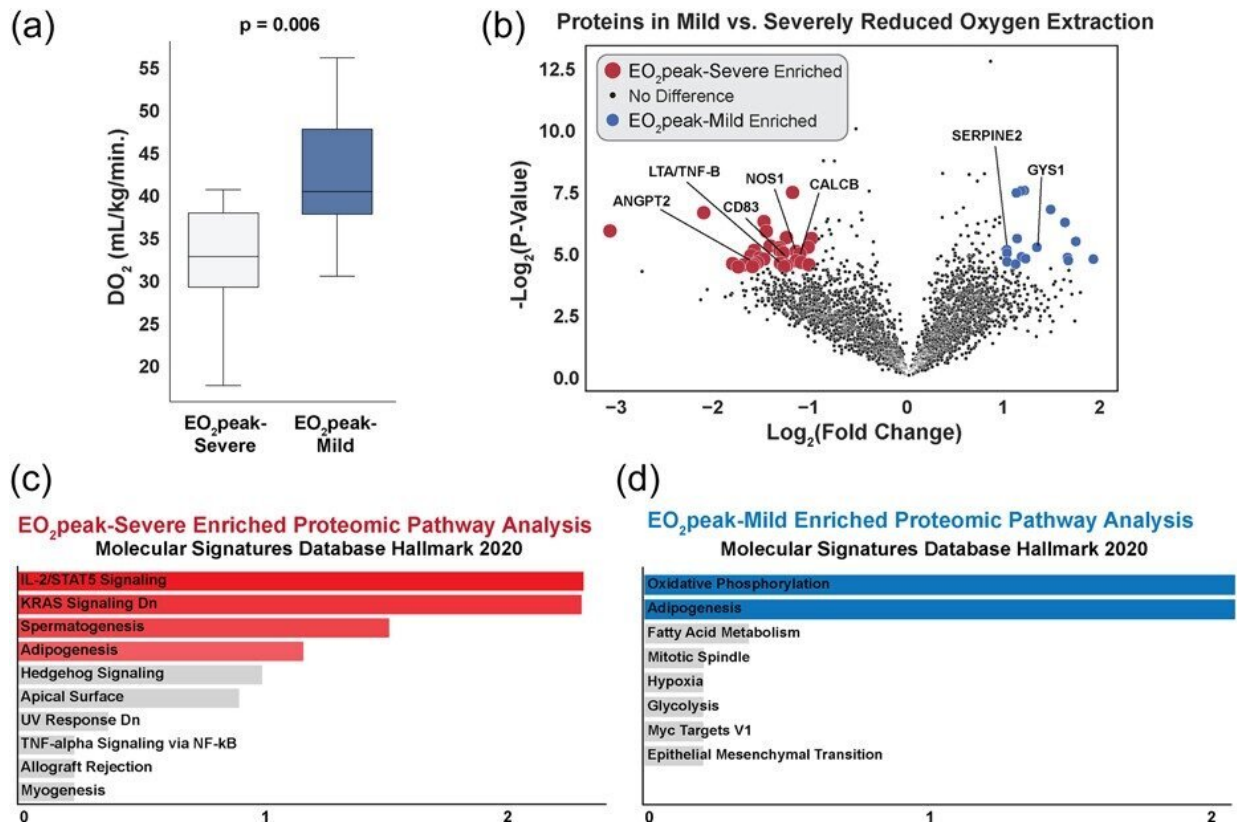


# Study uncovers reduced exercise tolerance and other changes in 'long COVID'

May 2 2023, by Shin Mei Chan



(a) Systemic oxygen delivery ( $DO_2$ ) between Post Acute Sequelae of SARS-CoV-2 infection (PASC) patients with mild (EO<sub>2</sub>peak-mild) and severely (EO<sub>2</sub>peak-severe) reduced peak systemic oxygen extraction (EO<sub>2</sub>) depicted in median and interquartile range. (b) Volcano plot depicting individual proteins expressed in EO<sub>2</sub>peak-mild and EO<sub>2</sub>peak-severe PASC groups. (c) Horizontal bar graph depicting enriched proteomic pathway analysis of EO<sub>2</sub>peak-severe PASC group (blue highlight indicates statistical significance, that is, p 0.05). (d) Horizontal bar graph depicting enriched proteomic pathway analysis of

EO<sub>2</sub>peak-mild PASC group (red highlight indicates statistical significance, that is, p 0.05). (e) Box plots of individual protein expression between PASC patients with EO<sub>2</sub>peak-mild and EO<sub>2</sub>peak-severe impaired peak systemic EO<sub>2</sub> categorized according to their respective categorical functions of inflammation, metabolic reprogramming, endotheliopathy, or fibrosis (\* represents p

Citation: Study uncovers reduced exercise tolerance and other changes in 'long COVID' (2023, May 2) retrieved 4 May 2023 from <https://medicalxpress.com/news/2023-05-uncovers-tolerance-covid.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.