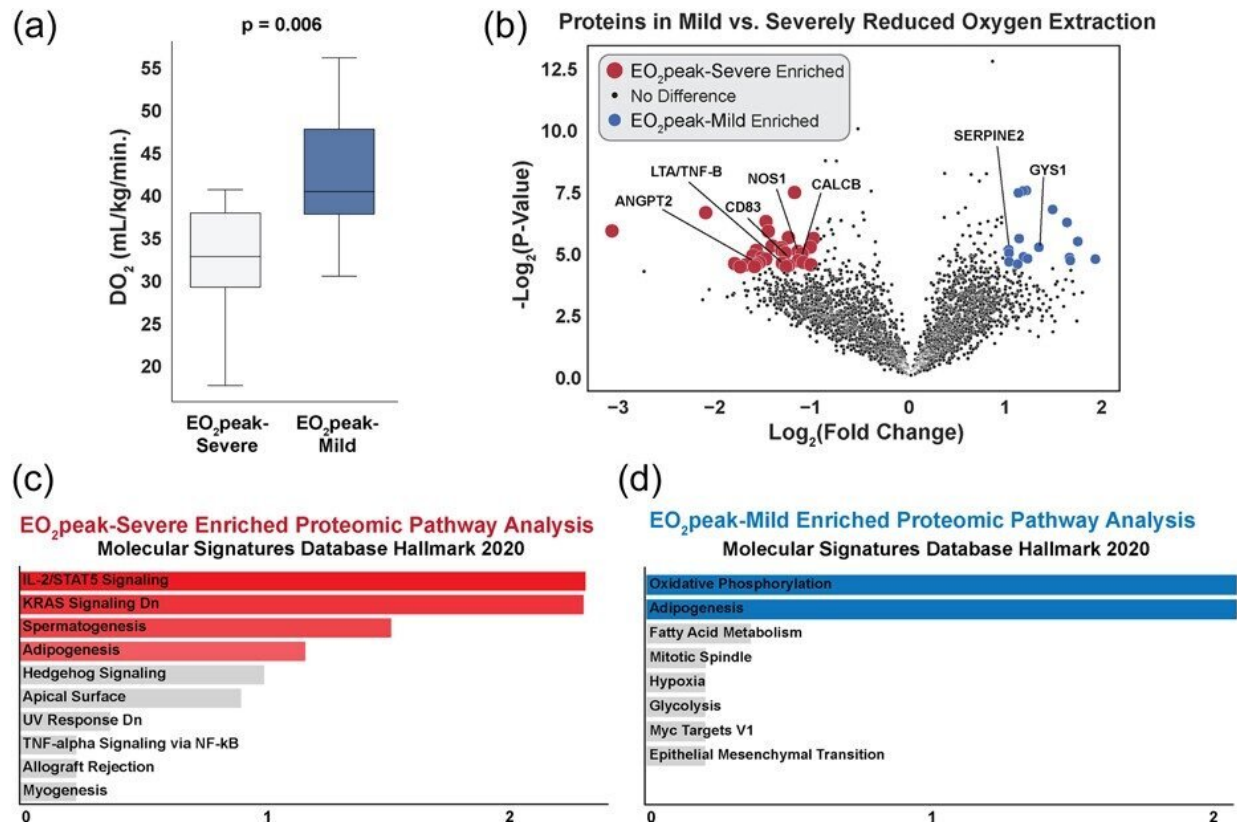


# Study uncovers reduced exercise tolerance and other changes in 'long COVID'

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  $p < 0.05$ )

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