



ADDITIONAL FILE 7. Individual patient correlations of breathing function vs. SCPP. A. EDI_{peak} **B.** EDI_{min} . Diaphragmatic excursion (cm) during **C.** Quiet breathing, and **D.** Deep breathing. Change in diaphragmatic thickness (inspiration - expiration)/expiration % during **E.** Quiet breathing, and **F.** Deep breathing. Change in muscle thickness (inspiration - expiration)/expiration % during quiet breathing for **G.** Upper intercostal, **H.** Middle intercostal, and **I.** Lower intercostal. Best-fit linear with positive correlation (black), no correlation (red), and negative correlation (green). Best fit quadratic (blue).