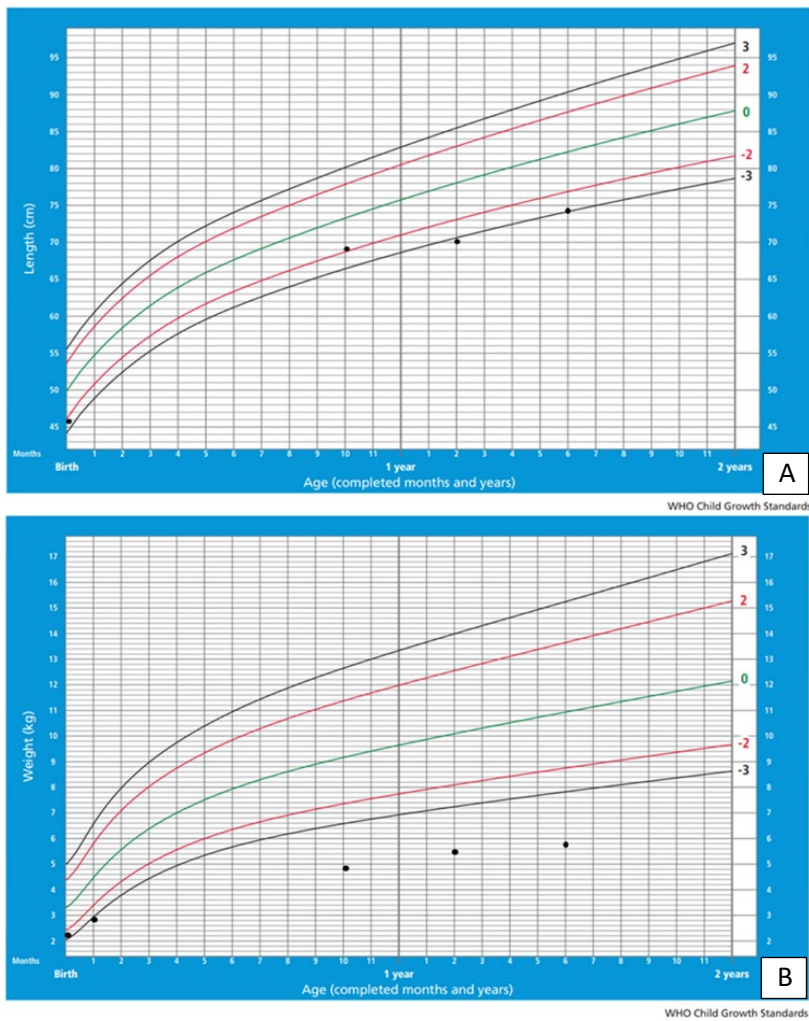


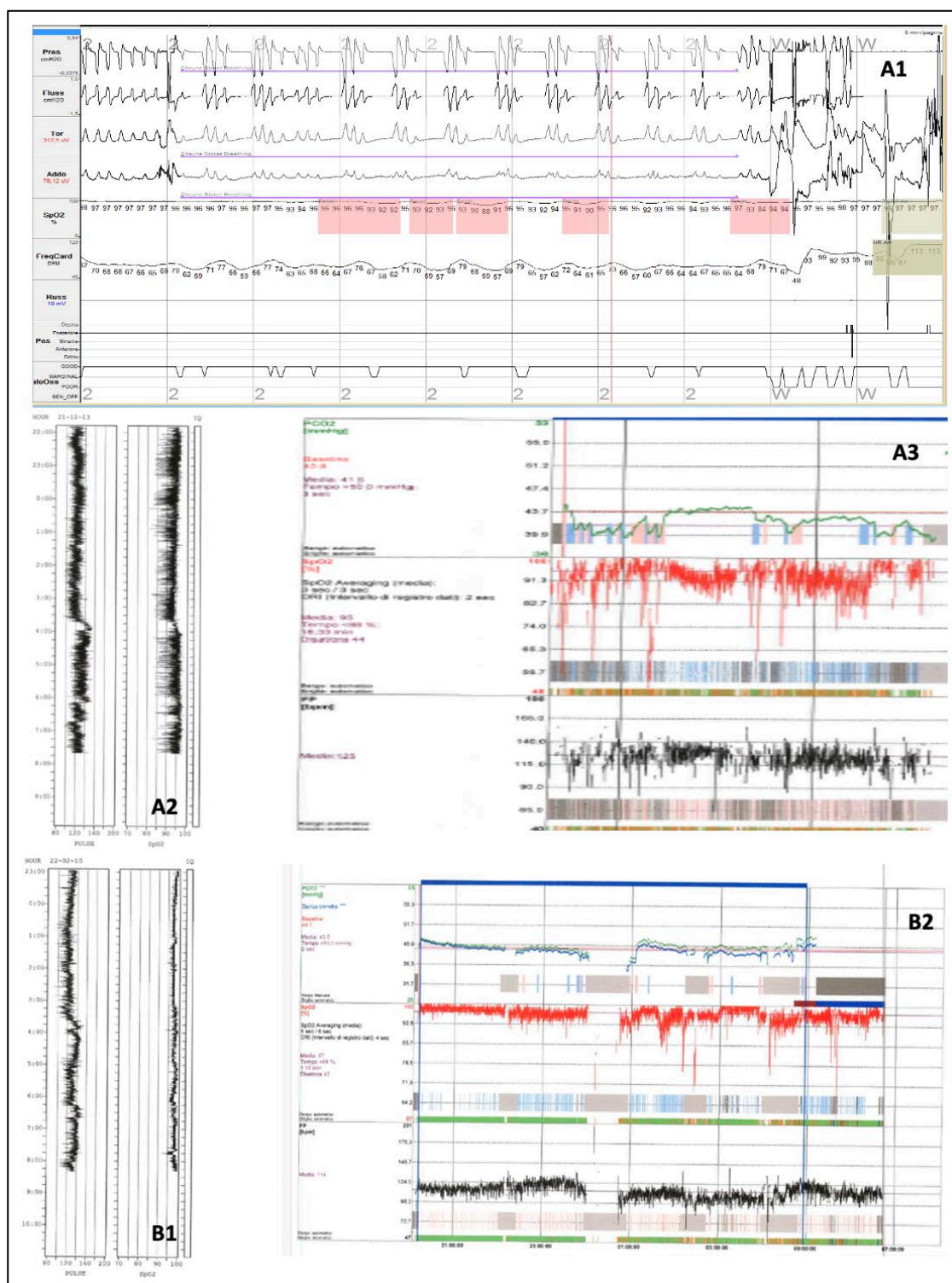
Supplemental Figures

Supplemental Figure 1



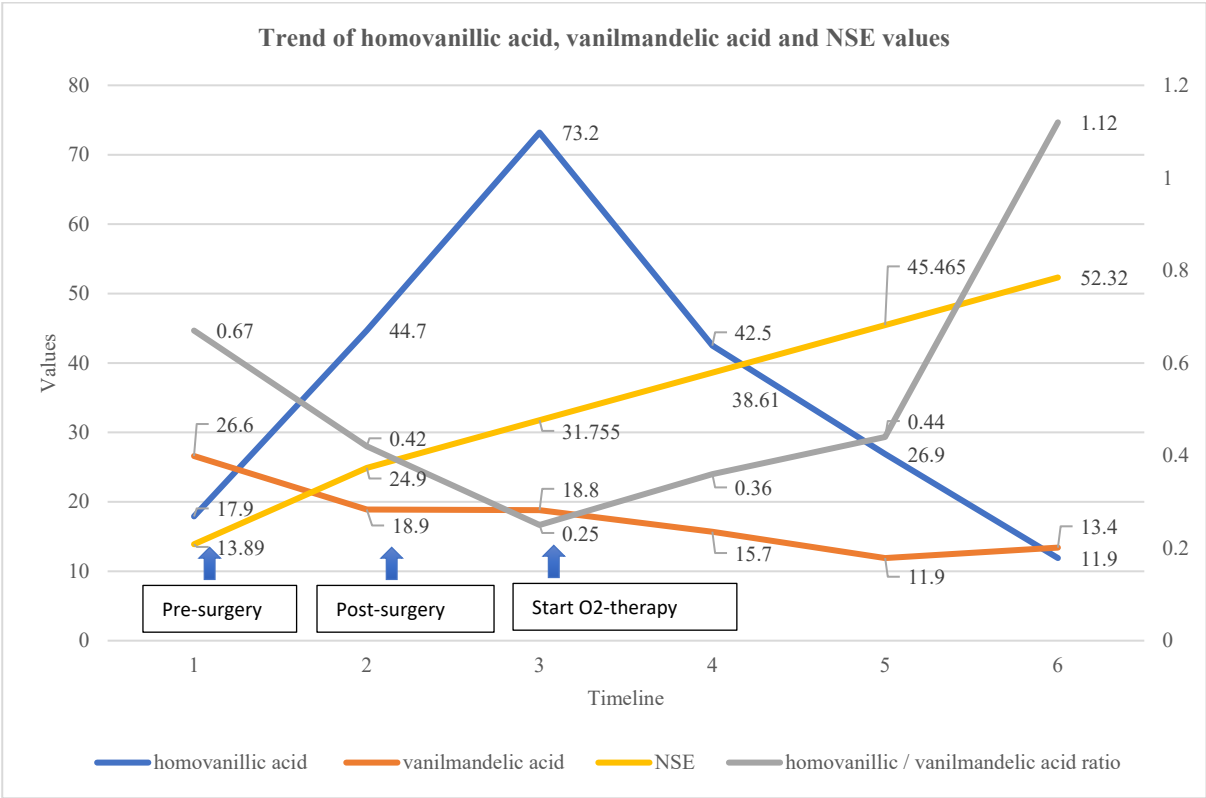
Supplemental Figure 1: Patient growth charts. Panel 1A: Length chart showing linear growth between -2 and -3 SD. Panel 1B: Weight chart showing progressive failure to thrive with a curve below -3 SD

Supplemental Figure 2



Supplemental Figure 2: Cardiorespiratory study. Panel A1: Without supplemental oxygen: cardiorespiratory study without oxygen supplemental detected periodic breathing at a higher percentage than normal for age: 79.8%. Panels A2 and A3: Without supplemental oxygen: periodic breathing was associated with severe desaturations. Pulse oxymetry reported ODI desaturation index (desaturation numberper hour) was 86.7 and oxygen saturation time < 90% was 7.2% of all time of registration. Values of transcutaneous carbon dioxide were normal, always < 50 mmHg. Periodic breathing percentage at polygraphy has reduced to 66%. Panels: B1 and B2: With supplemental oxygen: pulse oxymetry during low flow oxygen therapy 0.5 lt/min detected normal values, ODI 1.5, with saturation constantly > 90%.

Supplemental Figure 3



Supplemental Figure 3: Trend of homovanillic acid, vanilmandelic acid, homovanillic/vanilmandelic acid ratio and NSE values over the follow-up. Abbreviation: NSE: Neuron Specific Enolase.