

Predicted trends of physiological data from mixed-effects models

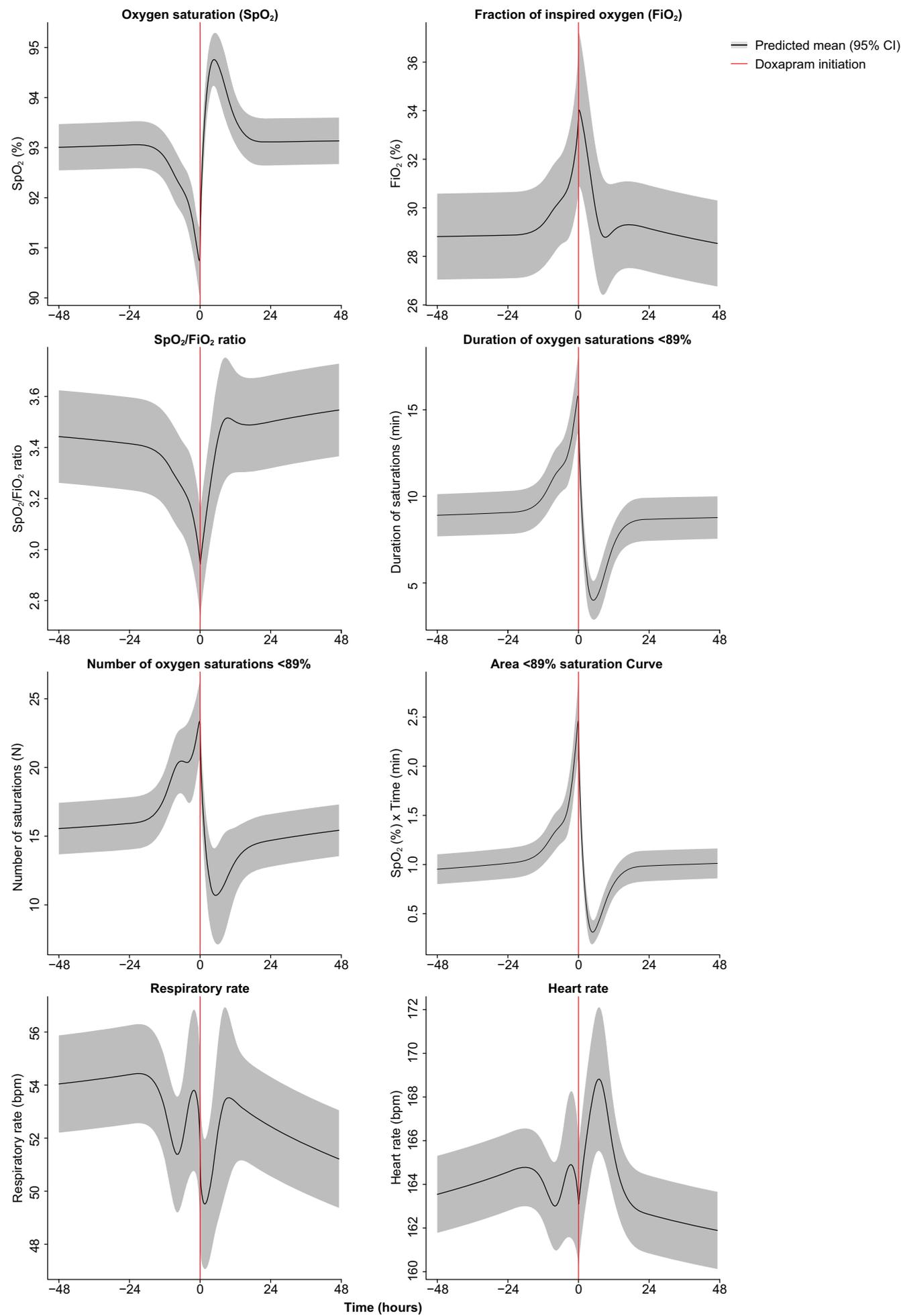


Fig. S1. The predicted mean trend with 95% CI of the physiological parameters from the linear mixed models. The models allowed for a nonlinear effect of time in the fixed-effects part, with natural splines concentrated around doxapram therapy start. The random-effect part included random intercepts and splines. The R squared values, as goodness-of-fit measure, were 0.37, 0.66, 0.72, 0.31, 0.33, 0.26, 0.32, 0.49 for the oxygen saturation (SpO₂), fraction of inspired oxygen (FiO₂), SpO₂/FiO₂ ratio, duration of episodes with saturation below target, number of episodes with saturations below target, area under the curve below the SpO₂ limit of 89%, respiratory rate and heart rate, respectively.