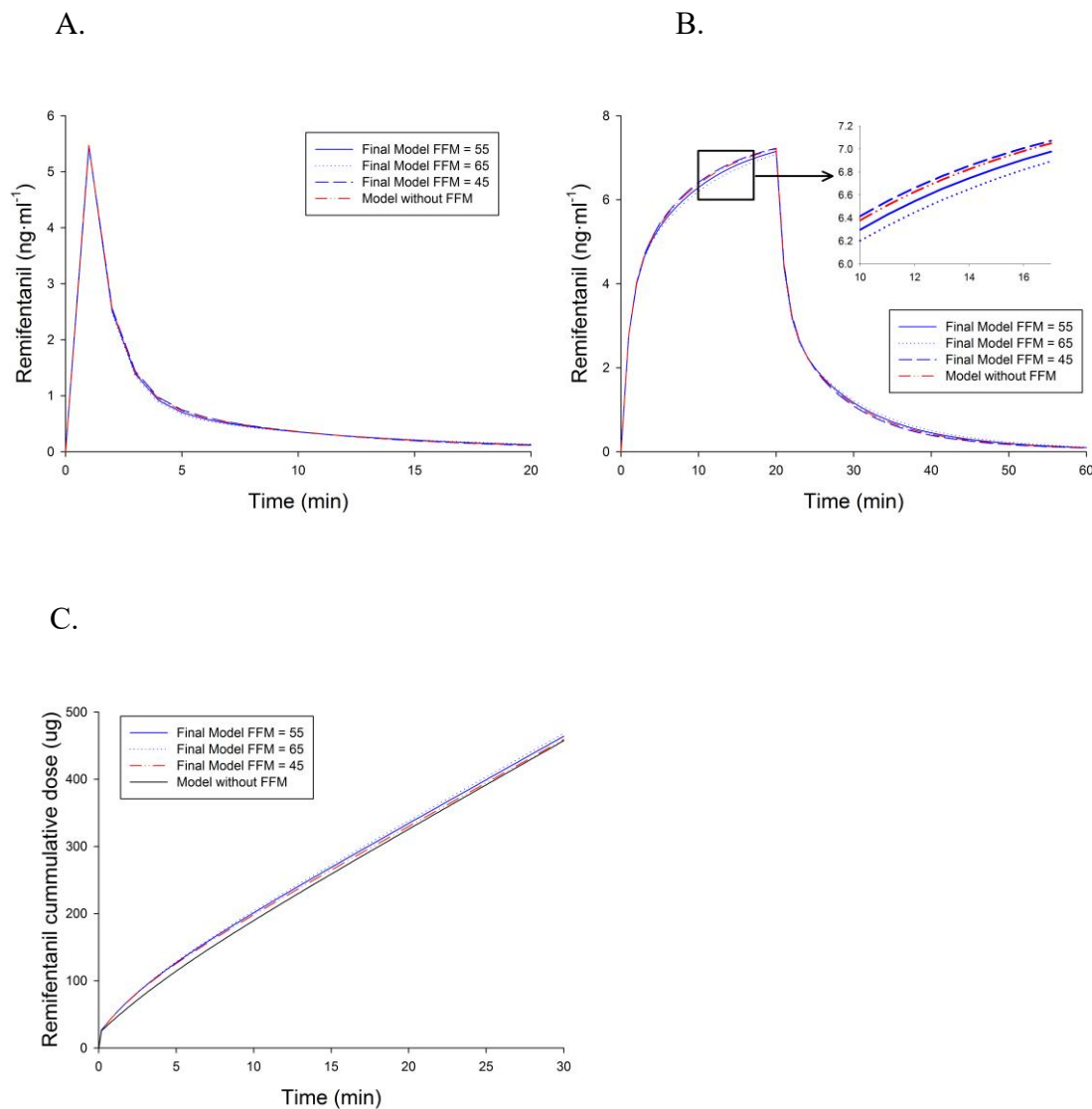


Supplemental Digital Content 4; Supplemental Figure 4.



Supplemental Figure 4. Deterministic computer simulations of predicted plasma concentrations illustrating the influence of varying FFM values (45, 55, 65) for an otherwise identical patient (50 year old, 75 kg) for the final model compared to the penultimate model. Panel A simulates a bolus dose of 50 µg. Panel B simulates an infusion of 20 µg·min⁻¹ for 20 minutes (the insert expands the section designated by the rectangle). Panel C shows the cumulative dose when remifentanyl is administered by TCI to a plasma target concentration of 5 ng·ml⁻¹