



Figure a1: Visualization of the individual effect of tetanic stimulation

Individualized course of values of (A) Analgesia Nociception Index (ANI), (B) Surgical Pleth Index (SPI), (C) pupil diameter (PD), (D) heart rate (HR), (E) mean arterial blood pressure (MAP), and (F) bispectral index (BIS) on different analgesic levels. Data is pictured as delta values, i.e. the difference between the value before and after the standardized tetanic stimulation. Every line represents one patient's changes in delta values by increase of remifentanyl from none to $0.2 \mu\text{g kg}^{-1} \text{ minute}^{-1}$ dosage by steps of $0.5 \mu\text{g}$.