



Figure a2: Visualization of the individual effect of intracutaneous 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 intracutaneous 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 $0.5 \mu\text{g}$.