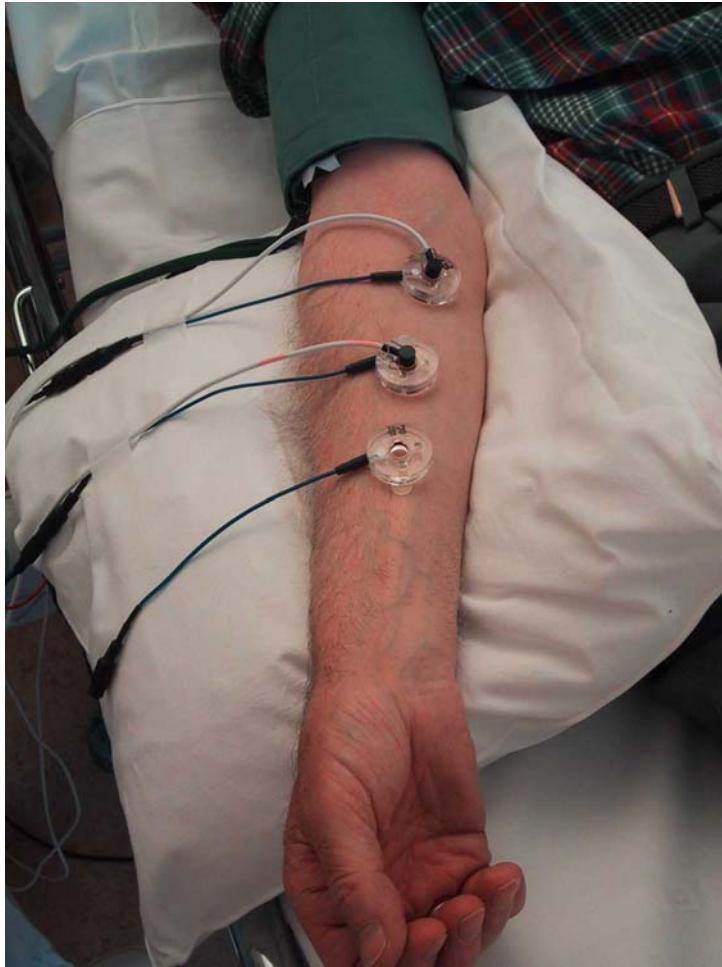


Supplemental digital content (SDC)

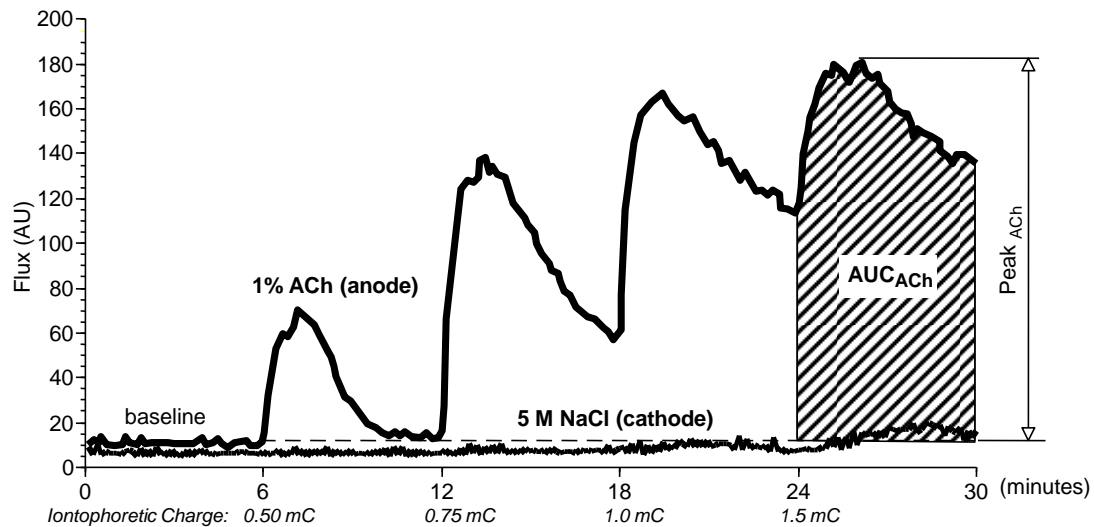
SDC, Figure S1



Laser Doppler Flowmetry (LDF). Endothelial-dependent vasodilation in the forearm skin microvasculature is measured by LDF after stimulation by acetylcholine iontophoresis.

Supplemental digital content (SDC)

SDC, Figure S2



Acetylcholine iontophoresis and laser Doppler flowmetry. Acetylcholine is administered transcutaneously from an ion chamber by a weak electrical current (i.e. iontophoresis), the resulting vasodilation and increase in blood flow in the underlying skin is measured with a laser probe by the change in Doppler shift. The signal is proportional to volume and velocity of the passing blood, expressed as “Flux” in “arbitrary units” (AU). The effect measure of endothelial function was defined as the 6 minutes area under the flux versus time curve (AUC), baseline adjusted, -following the 1.5 mC charge (AUC_{ACh}).