

Tony Workmann AF:

AF: $i(K1)$ up 90%; $i(CaL)$ down 64%; $i(to)$ down 65%; $i(K,sus)$ (also called $IKur$) up 12, $i(p)$ (also called $inak$) down 12%.

i.e.

$$gk1 = 1.9 \times gk1 \text{ con}$$

$$Gto = 0.35 \times gto \text{ con}$$

$$Gkur = 1.12 \times gkur \text{ con}$$

$$Inak \text{ bar} = 0.88 \times inak \text{ bar con}$$

$$Ical = 0.36 \times Ical \text{ con}$$

Bosch AF

Membrane channel conductance changes include an up-regulation of g_{K1} (increased by 235%), down regulation of g_{CaL} (decreased by 74%), down regulation of g_{to} (decreased by 85%), and shifts of the activation curve of I_{to} (by 16 mV) and inactivation curve of I_{Na} (by 1.6 mV) in the depolarizing direction. The kinetics of the fast inactivation of I_{CaL} was slowed down by a 62% increase in the time constant

i.e.

$$gk1 = 3.35 \times gk1 \text{ con}$$

$$gto = 0.16 \times gto \text{ con}$$

$$gcal = 0.2697 \times gcal \text{ con}$$

fast inactivation of ical (fca gate):

$$\tau = 1.62 \times \tau \text{ con}$$