

Supplementary Figures

Fig.S1

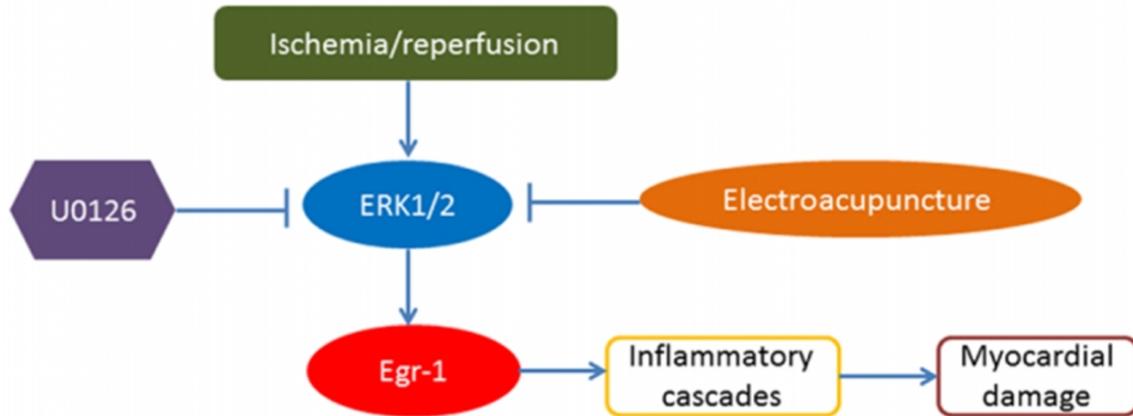


Fig. S1: The hypothesis schematic diagram

ERK1/2= Extracellular signal-regulated kinase 1/2; U0126= an ERK1/2 kinase inhibitor;

Egr-1= Early growth response-1

Fig.S2



Fig. S2: The study protocol

Groups in experiment 1: SHAM (sham surgery), IR (myocardial I/R) and EA+IR (EA + myocardial I/R); Groups in experiment 2: IR (myocardial I/R), U0126+IR (U0126 injection + myocardial I/R), DMSO+IR (DMSO injection+ myocardial I/R); Groups in experiment 3: EA+IR (EA + myocardial I/R), U0126+IR (U0126 injection + myocardial I/R), EA+U0126+IR (EA + U0126 injection + myocardial I/R). U0126= an ERK1/2 kinase inhibitor; DMSO= dimethylsulfoxide (vehicle treatment for U0126); EA= electroacupuncture; LAD= left anterior descending coronary artery; IR=ischemia-reperfusion.