

CLINICAL "SNIPPETS"

Coronary blood flow produced by muscle contractions induced by intracardiac electrical CPR during ventricular fibrillation.

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Overview: It has been reported that transthoracic electrical cardiopulmonary resuscitation (ECPR) generates coronary perfusion pressures (CPP) similar to manual chest compressions (MCC). We hypothesized that intracardiac ECPR produces similar CPP.

Conclusions: Intracardiac applied electrical CPR produced observable skeletal muscle contractions, measurable pressure pulses, and coronary perfusion pressures similar to MCC during a brief episode of untreated VF.