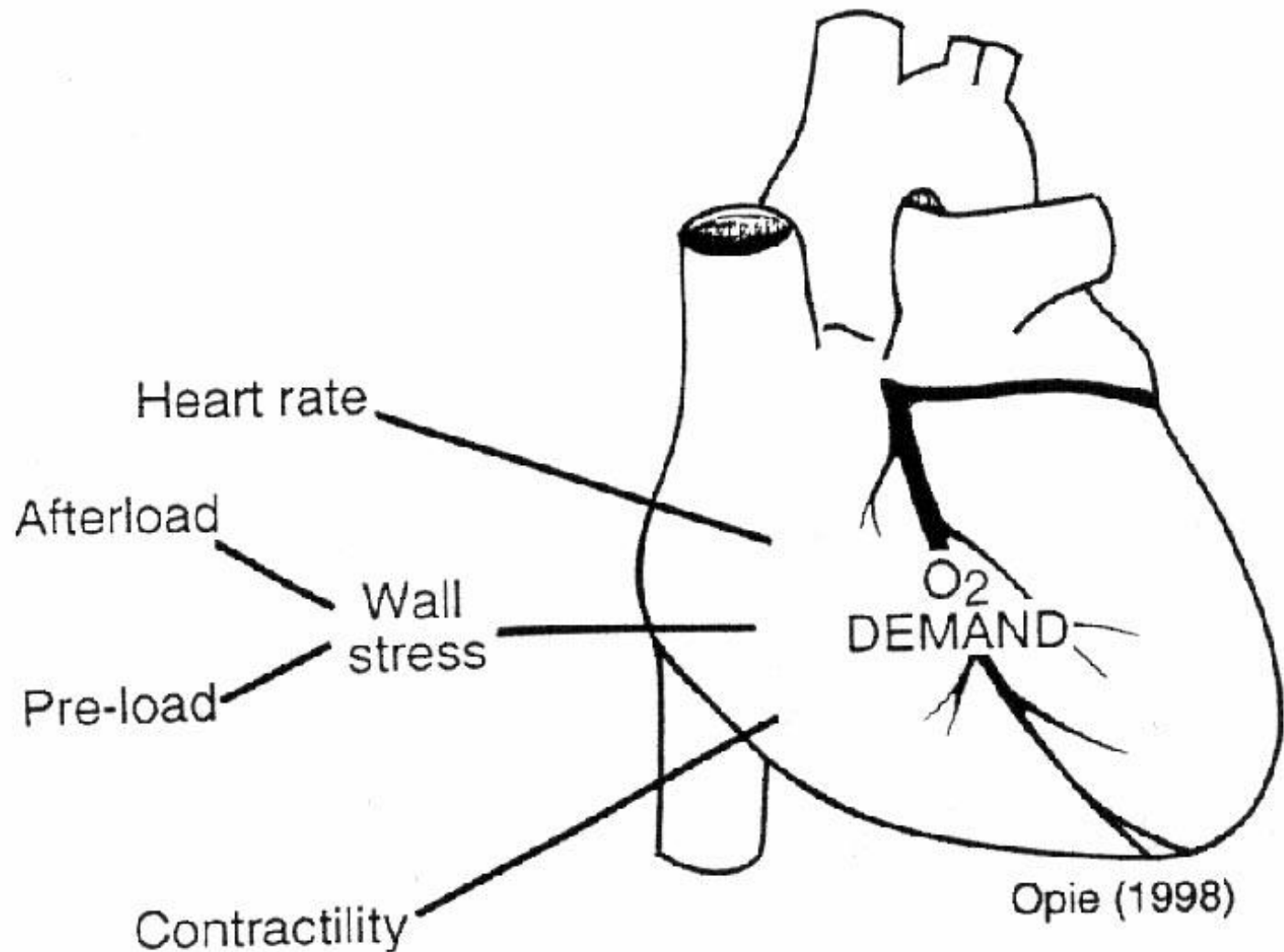


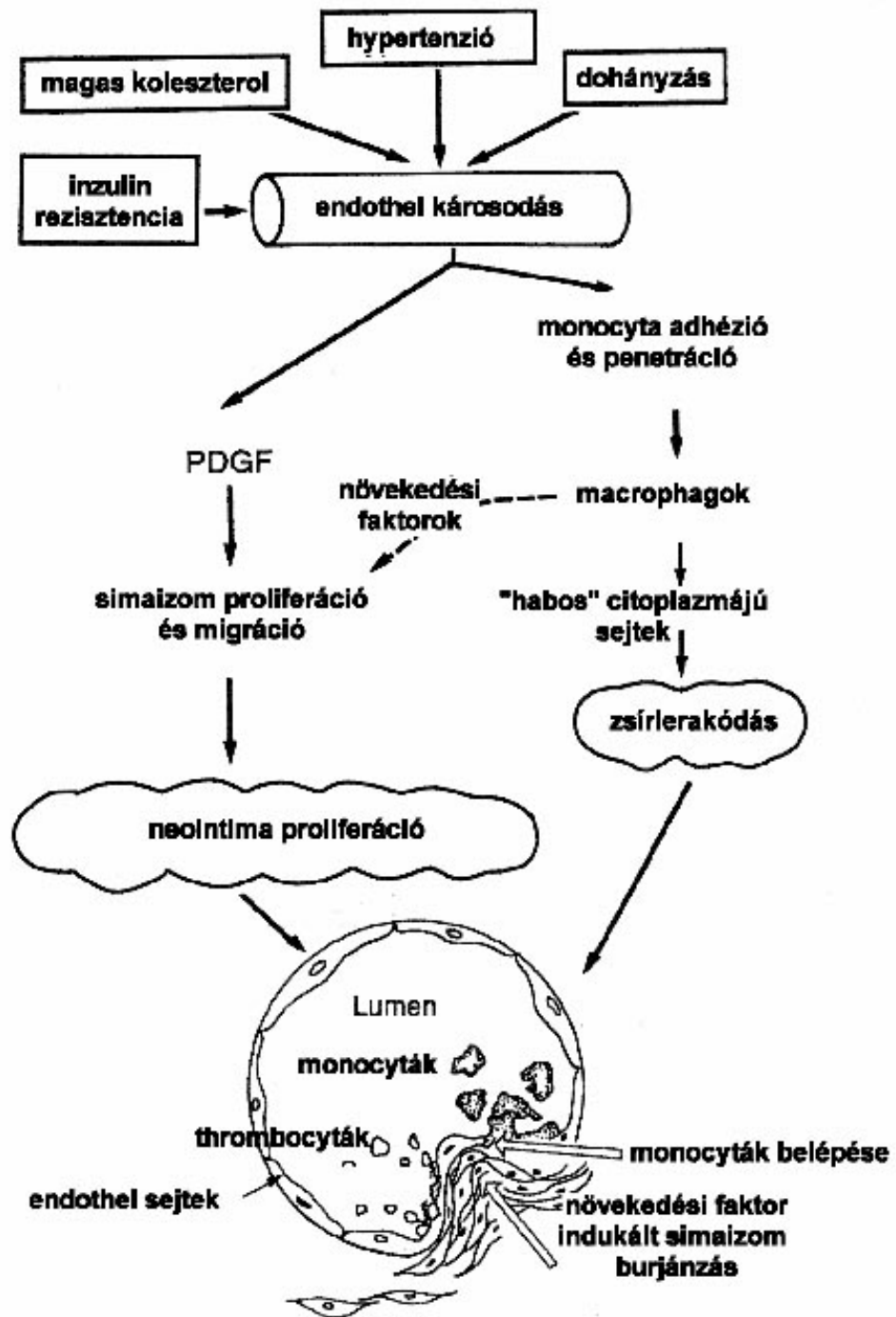
Myocardiális ischaemia, infarctus, és új ischaemiás syndromák (hibernáció, prekondicionálás, stunning)

**Dr. Papp Zoltán
DE Kardiológiai Intézet
Klinikai Fiziológiai Tanszék**

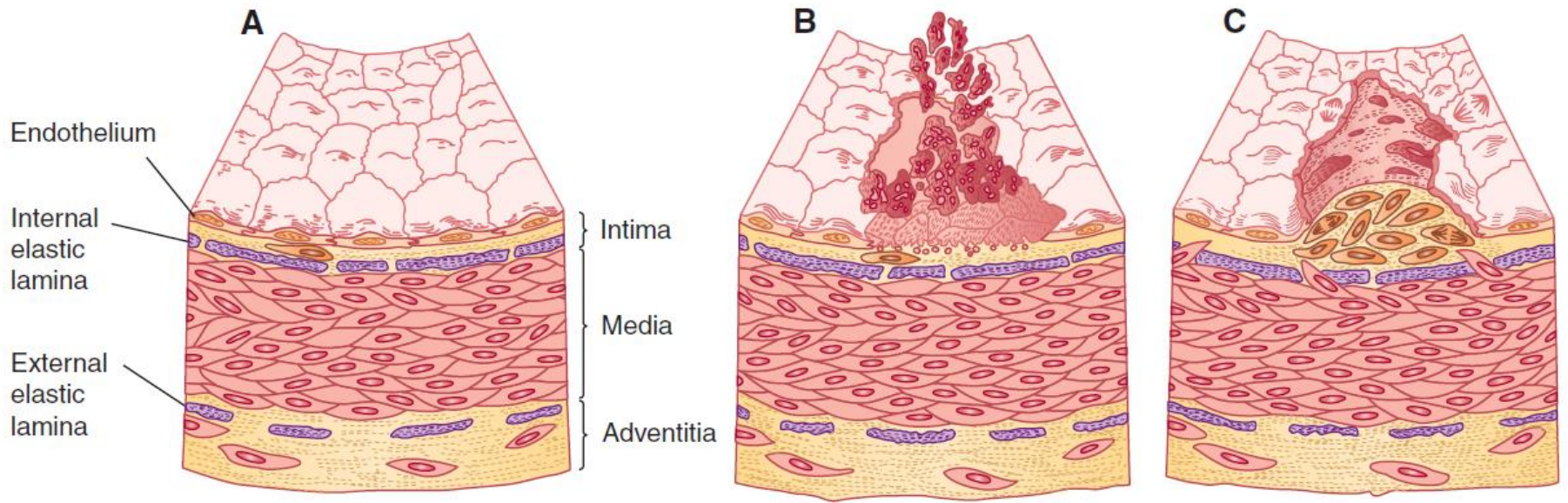
A myocardium O_2 igényének meghatározói



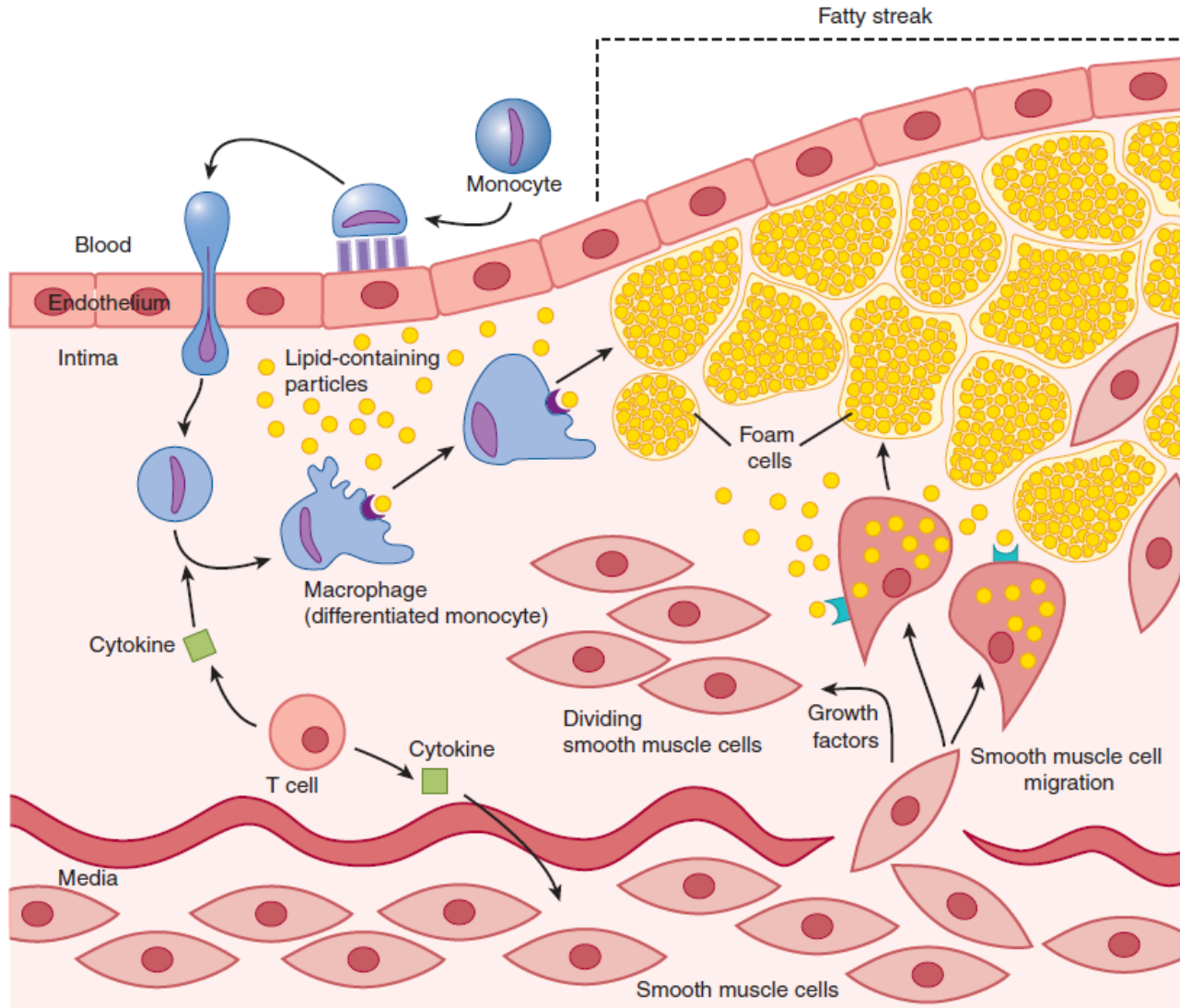
Coronaria betegség



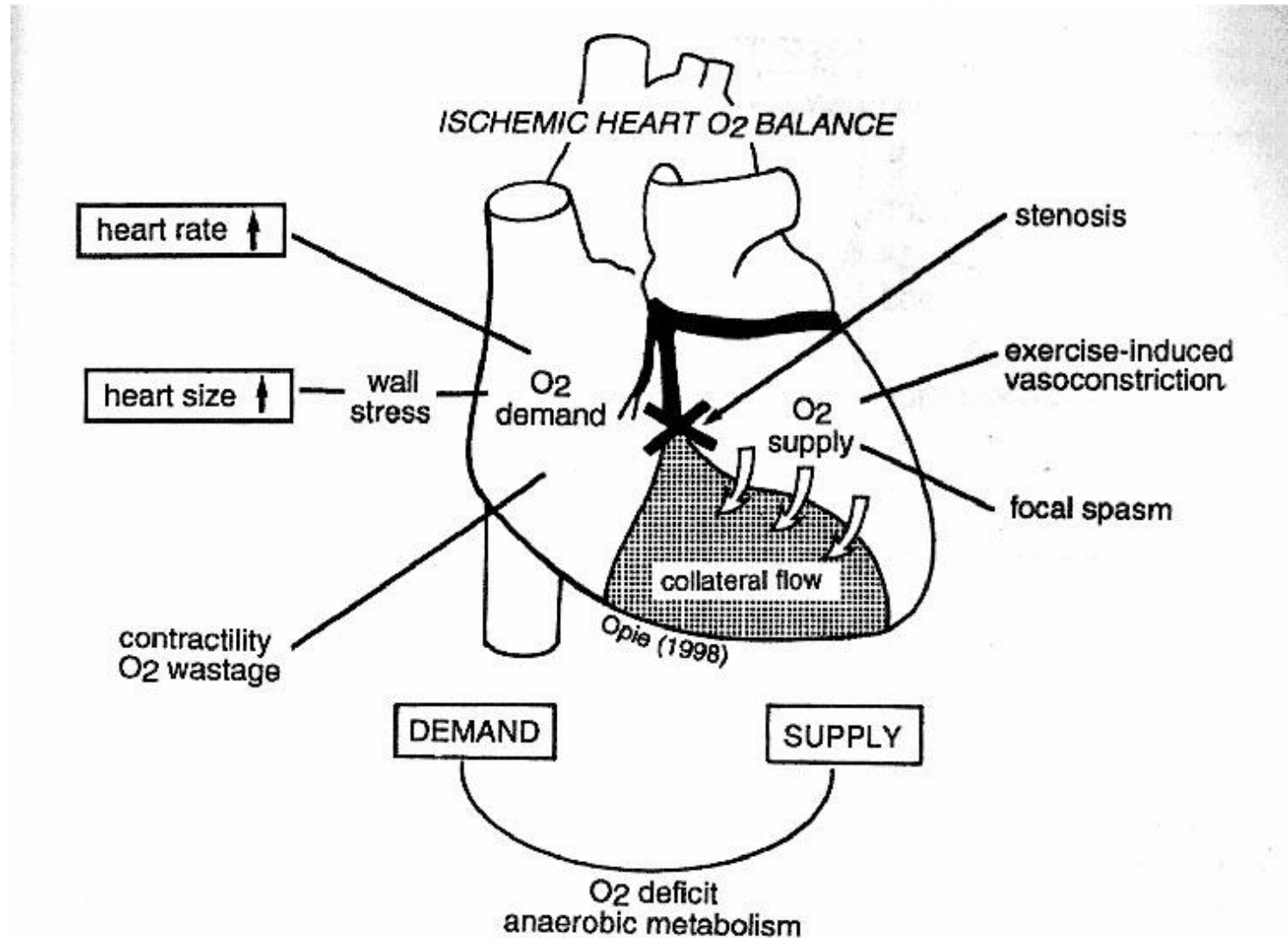
Az atheroma keletkezési mechanizmusa



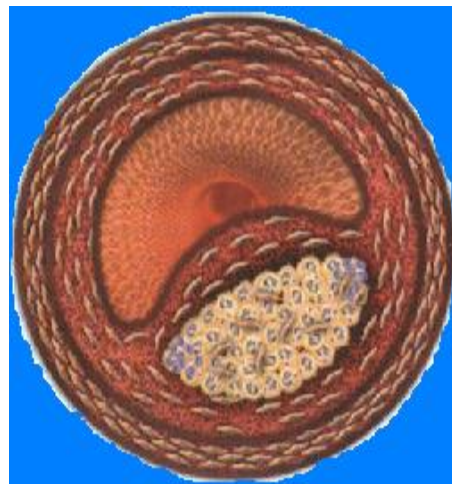
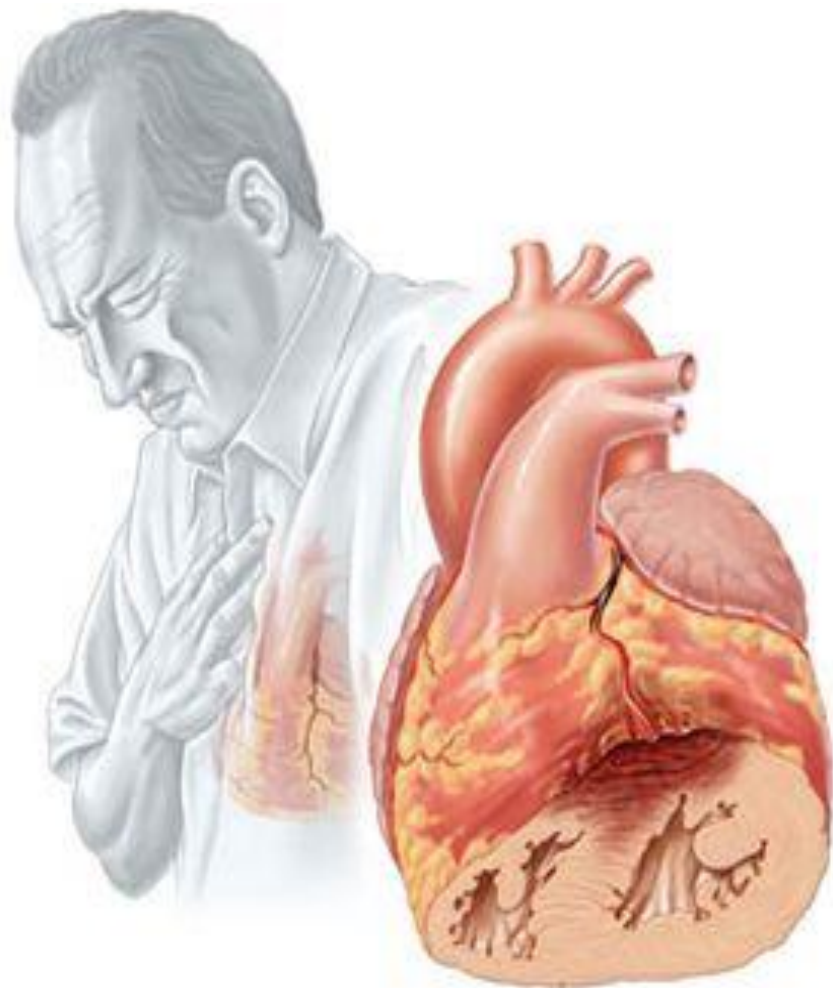
Az érfalban kialakuló zsíros réteg



A myocardium O_2 igényének meghatározói coronaria stenosis során



A MYOCARDIÁLIS ISCHAEMIA PATHOPHYSIOLÓGIÁJA

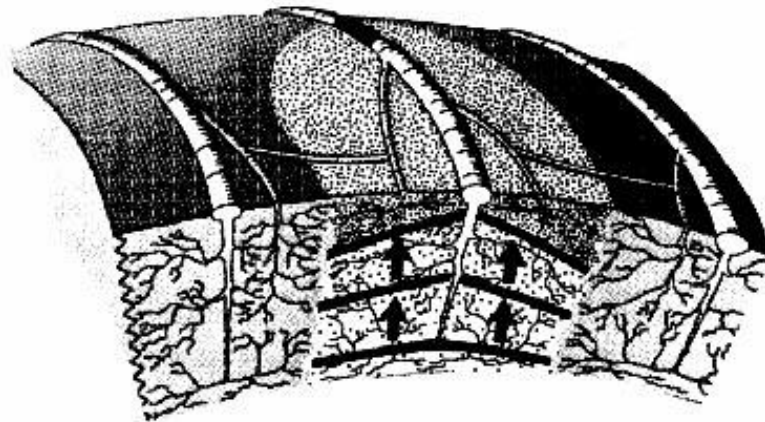
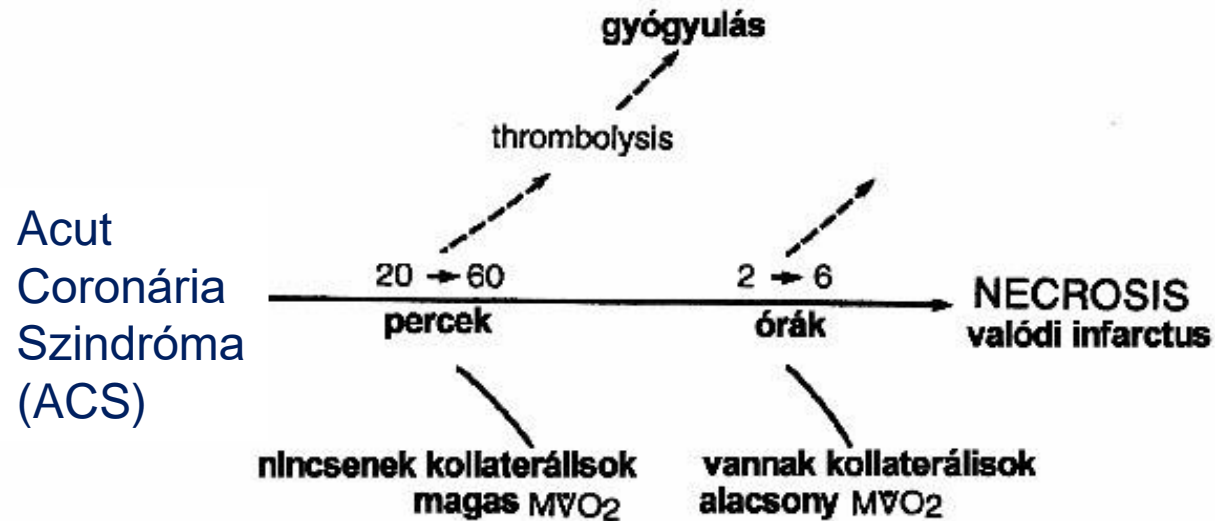


Atherosclerotikus plakk

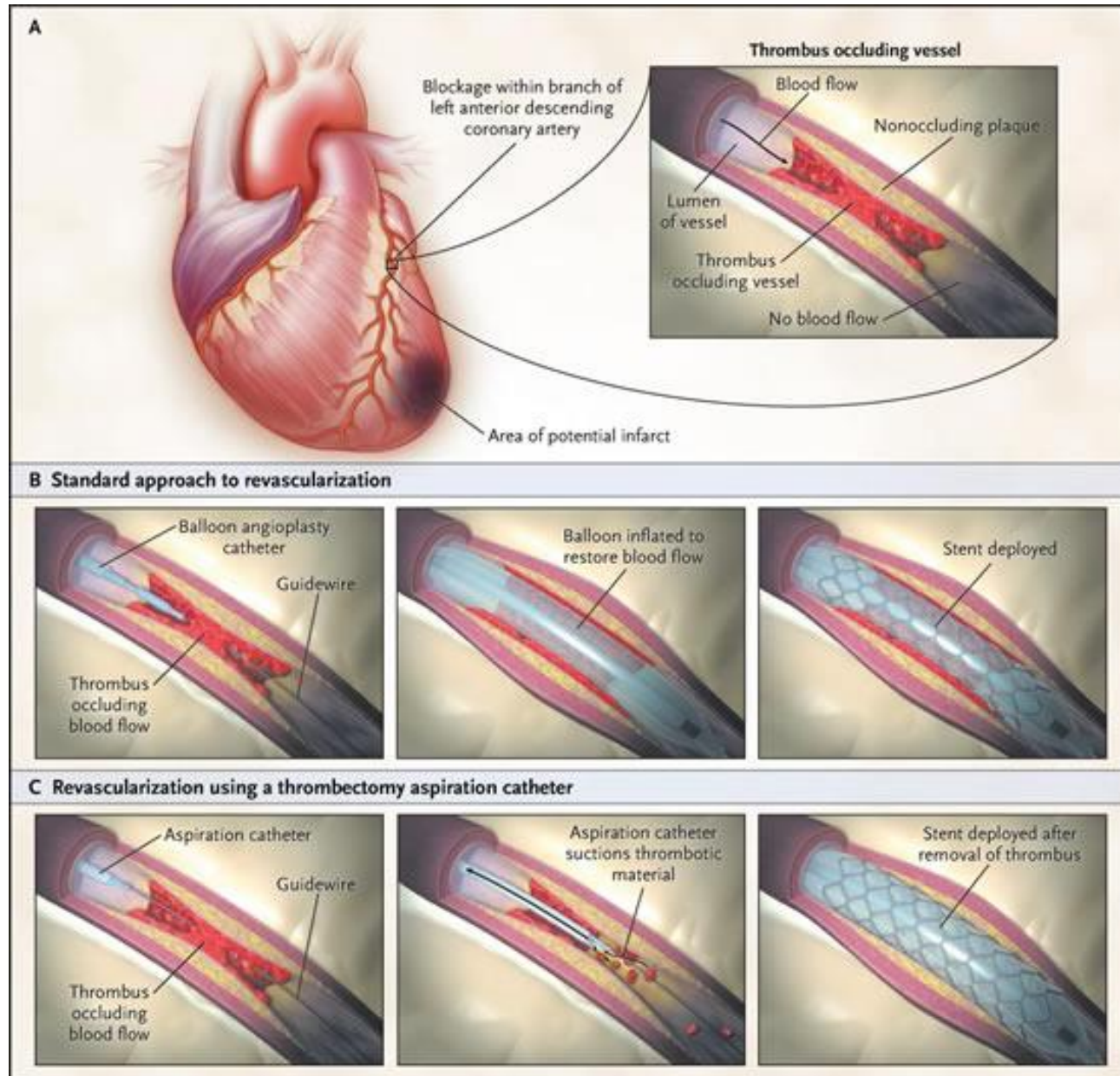


Myocardiális necrosis
(infarctus)

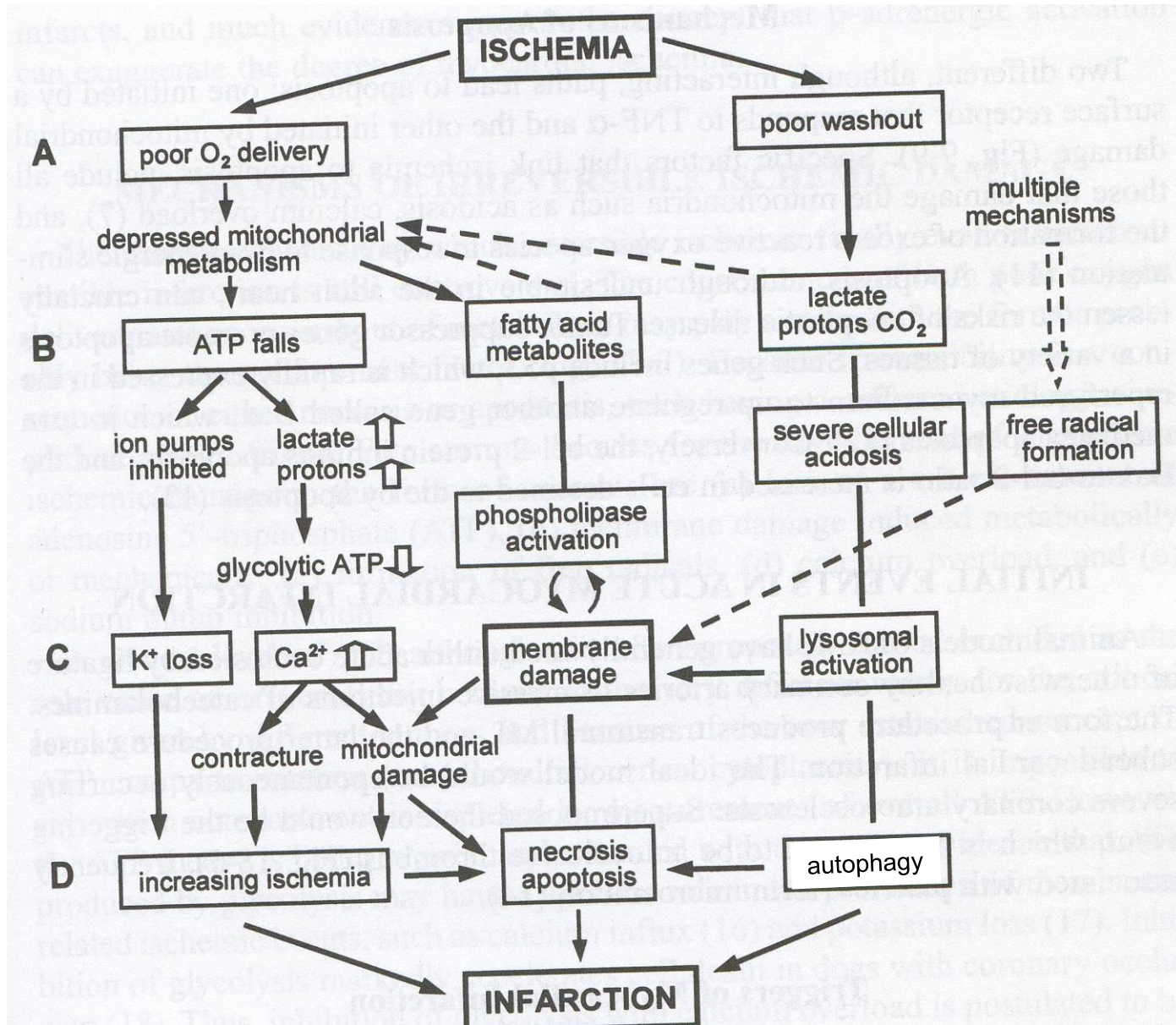
Az ischaemiás károsodás következményei



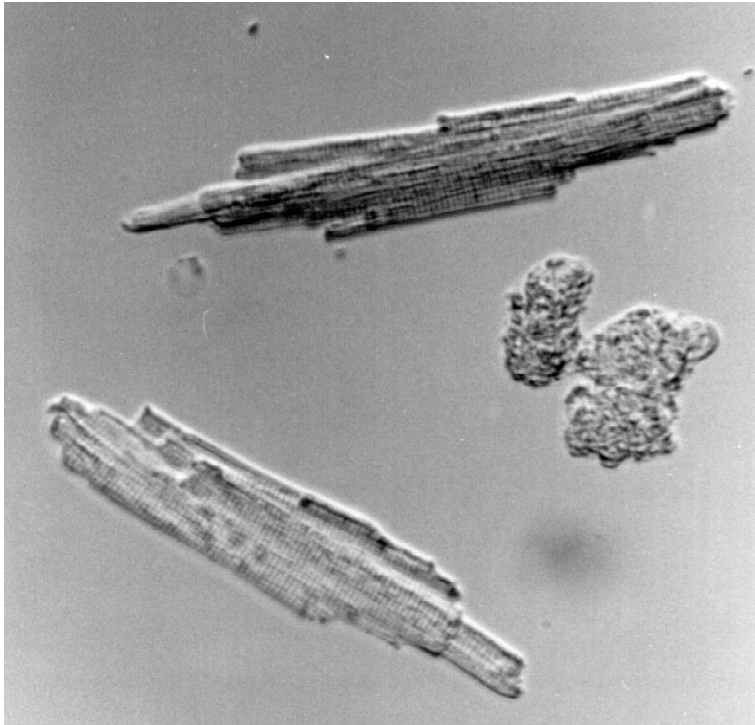
A myocardialis infarctusos betegek szívizom reperfúziójának biztosítása



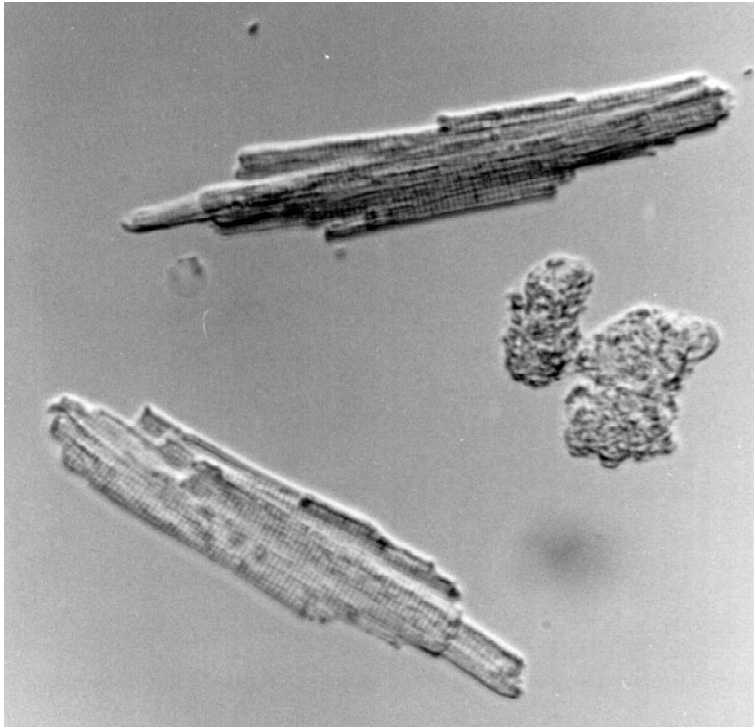
Ischaemia és infarctus



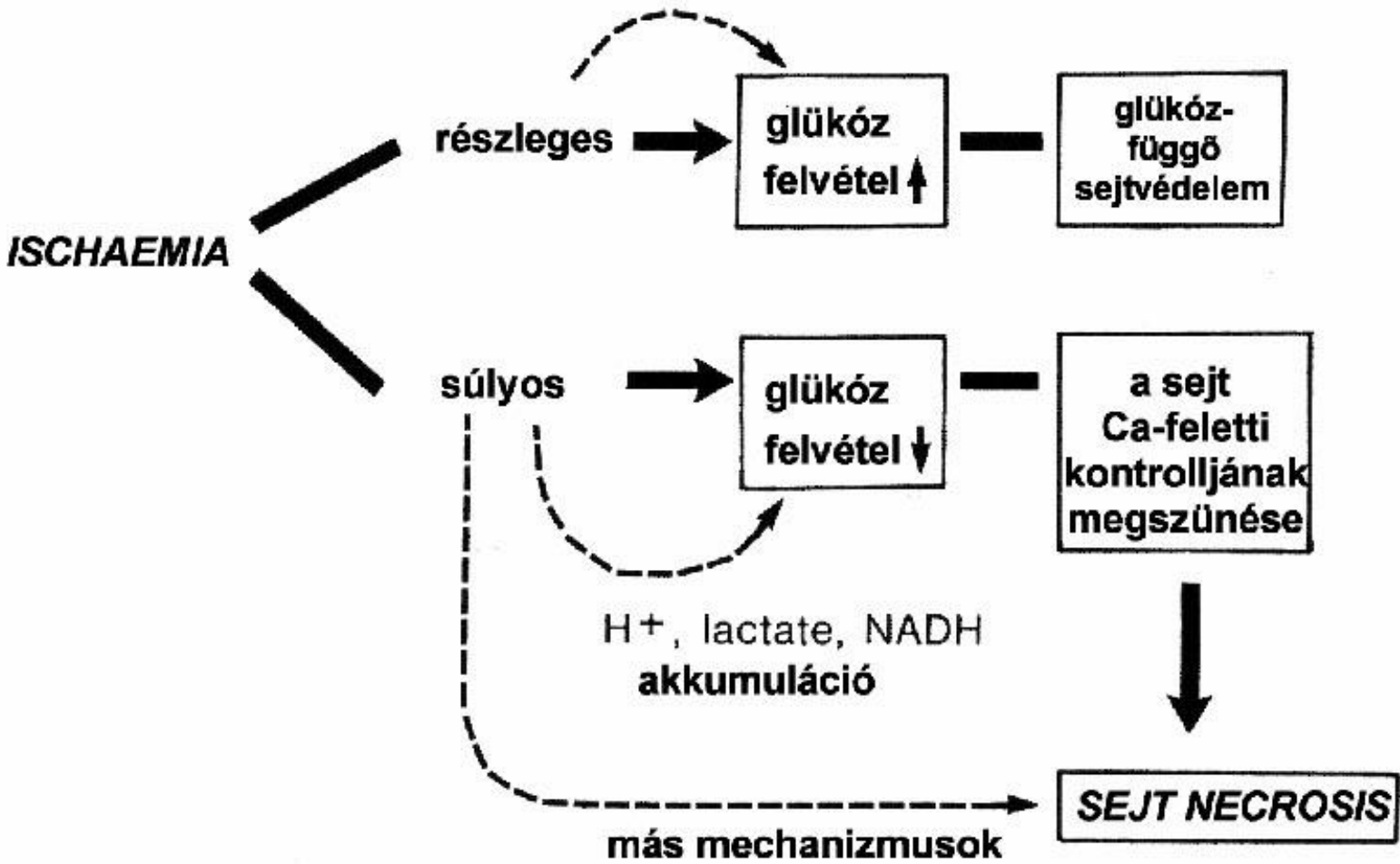
Hány szívizomsejt látható a képen?



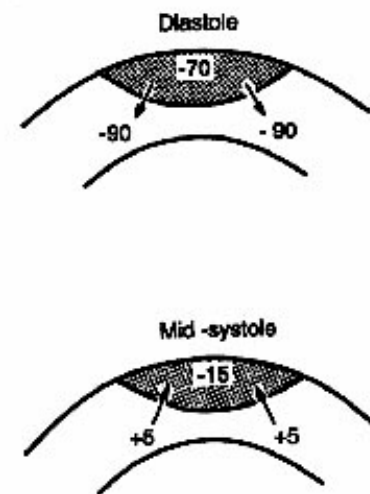
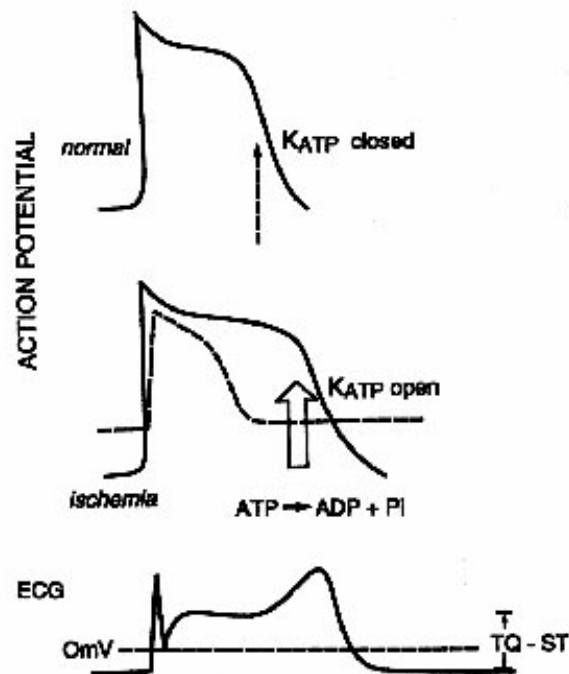
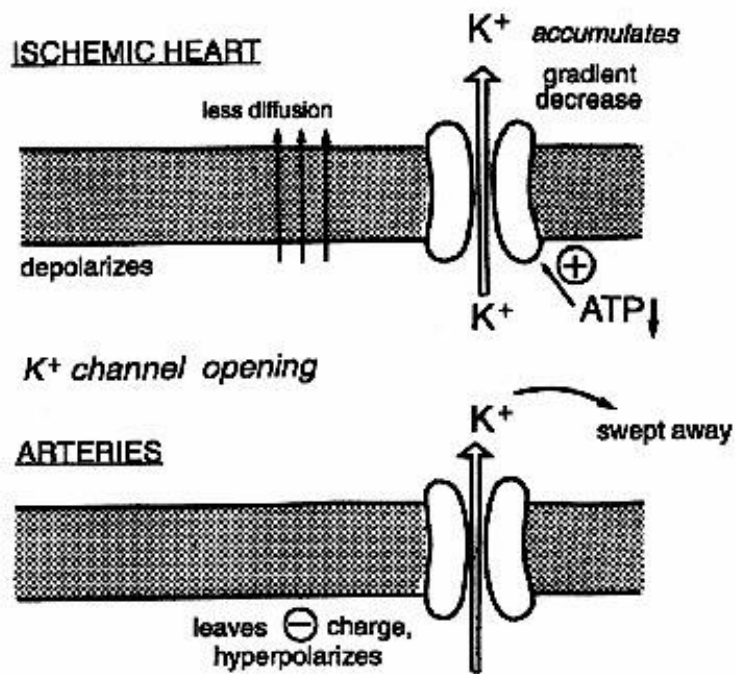
Hány szívizomsejt látható a képen?



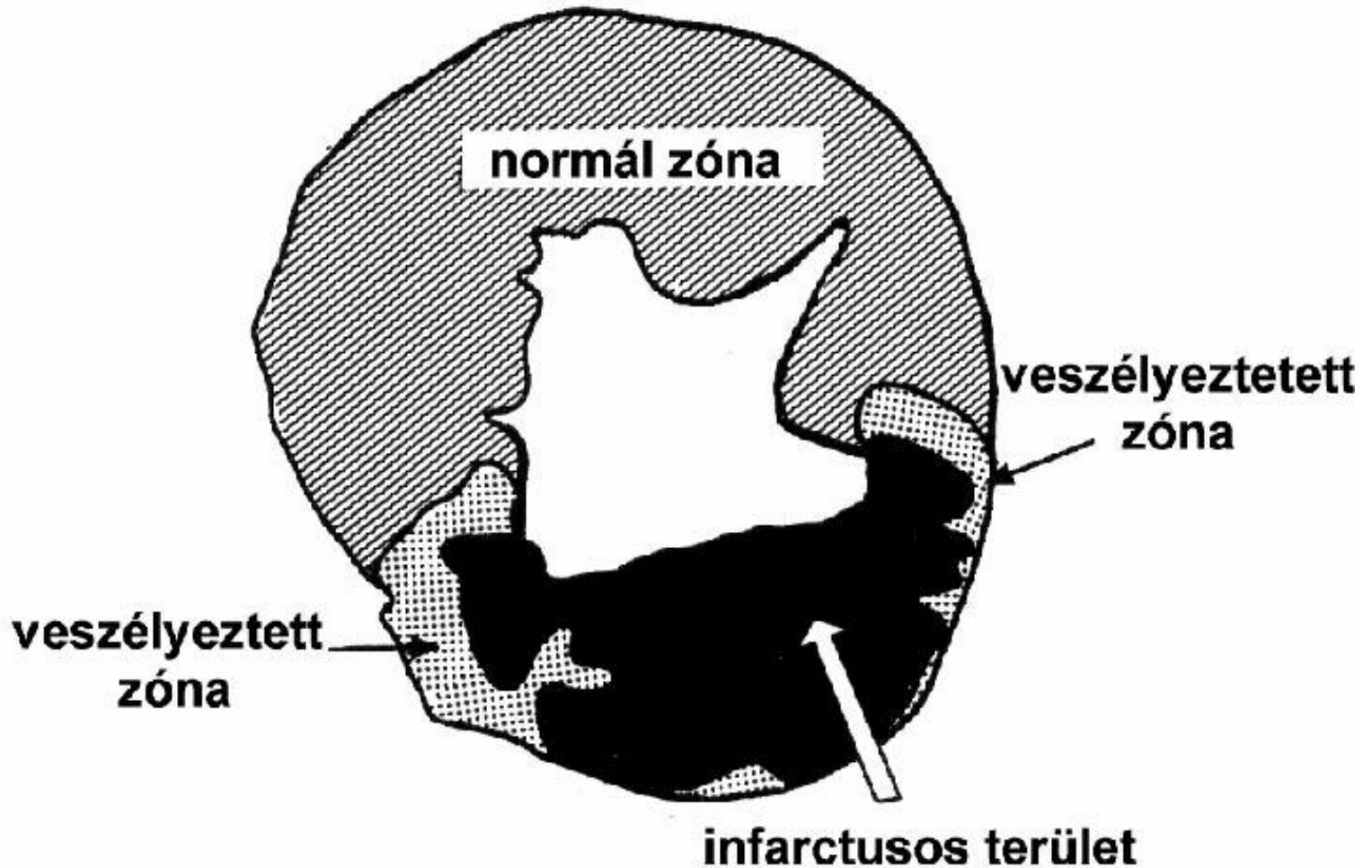
Ischaemiás tolerancia és glükóz homeosztázis



Ischaemia alatti elektromos változások

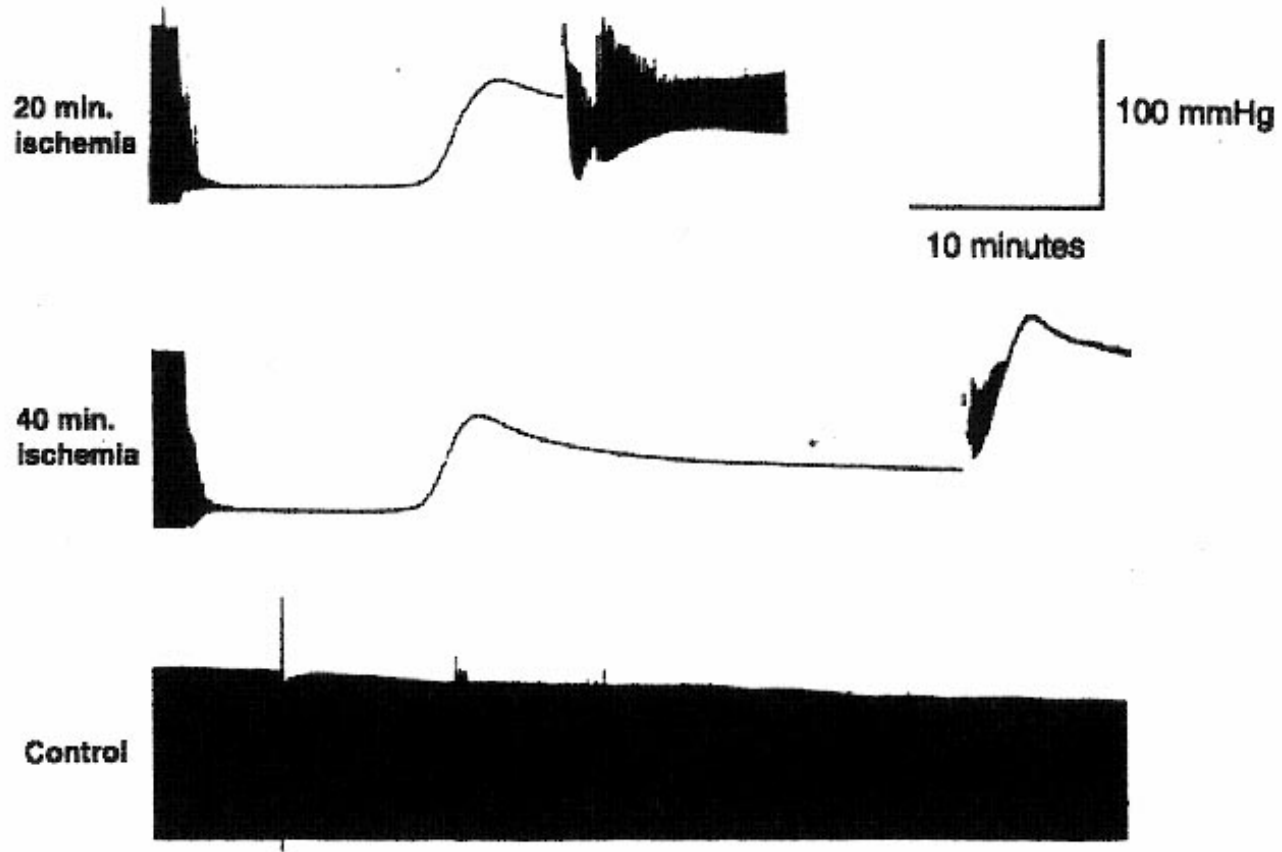


Veszélyeztetett myocardium terület

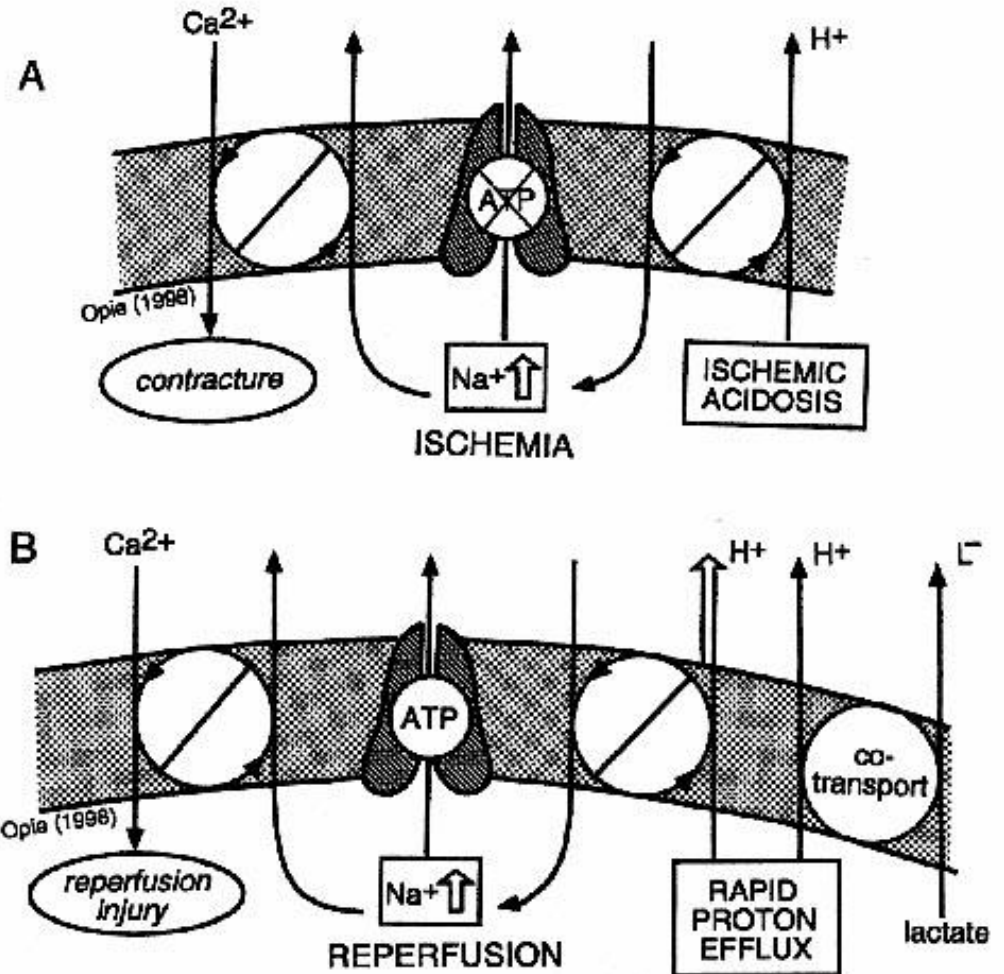
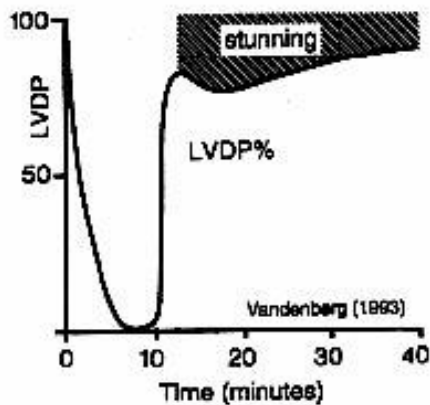
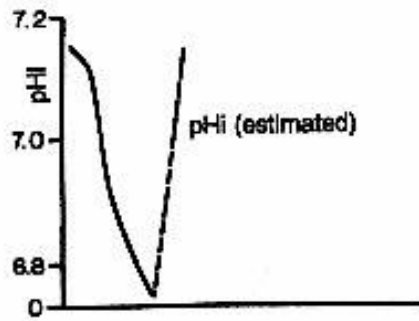
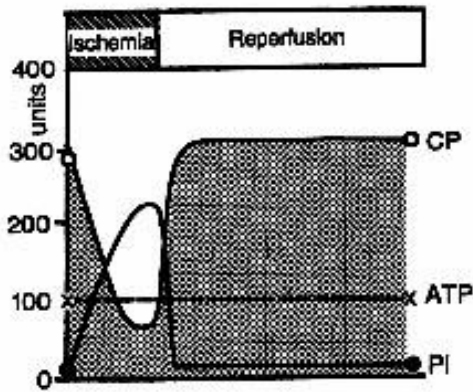


Ischaemia és reperfúzió

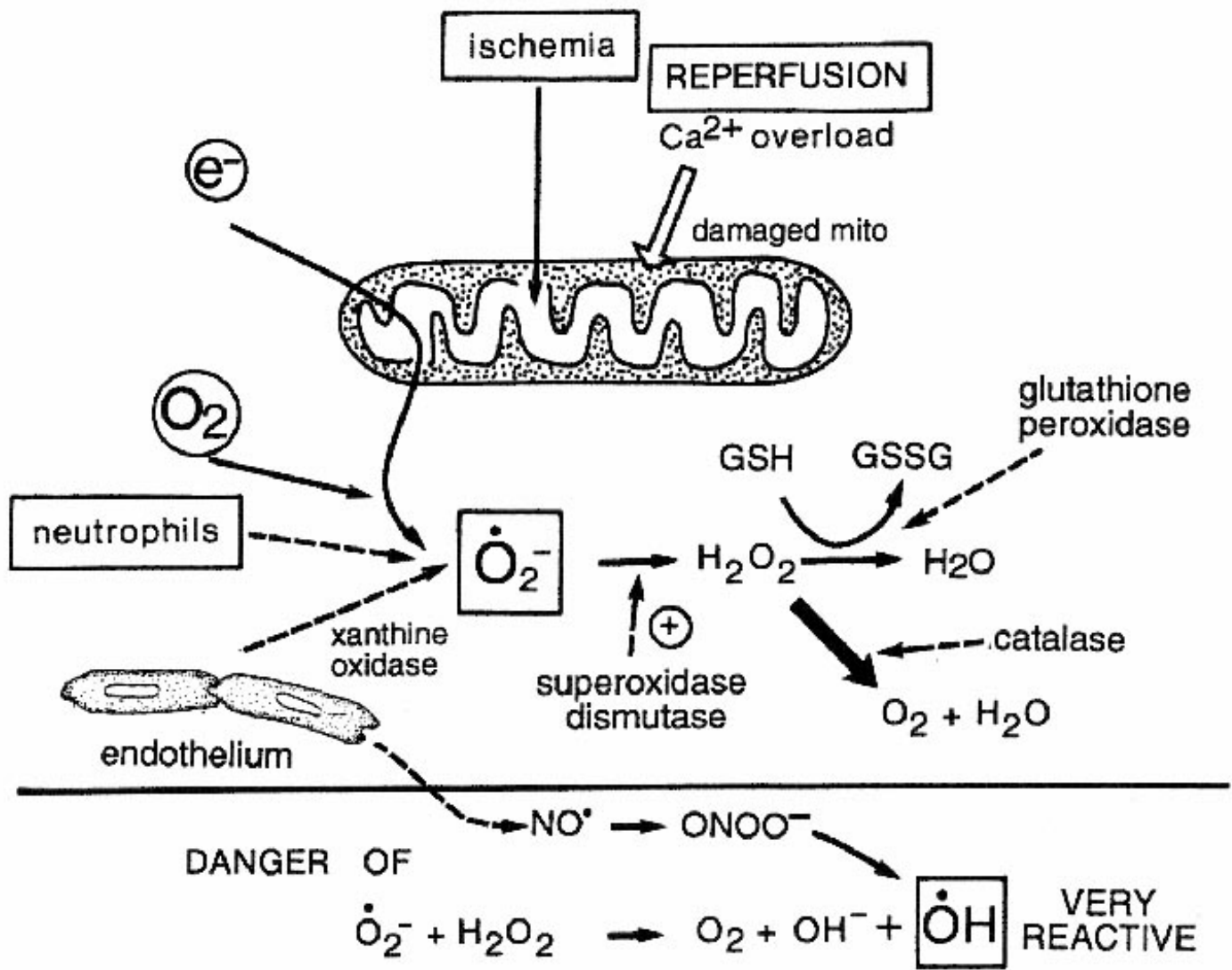
Experiments with ischemic/reperfused rat hearts



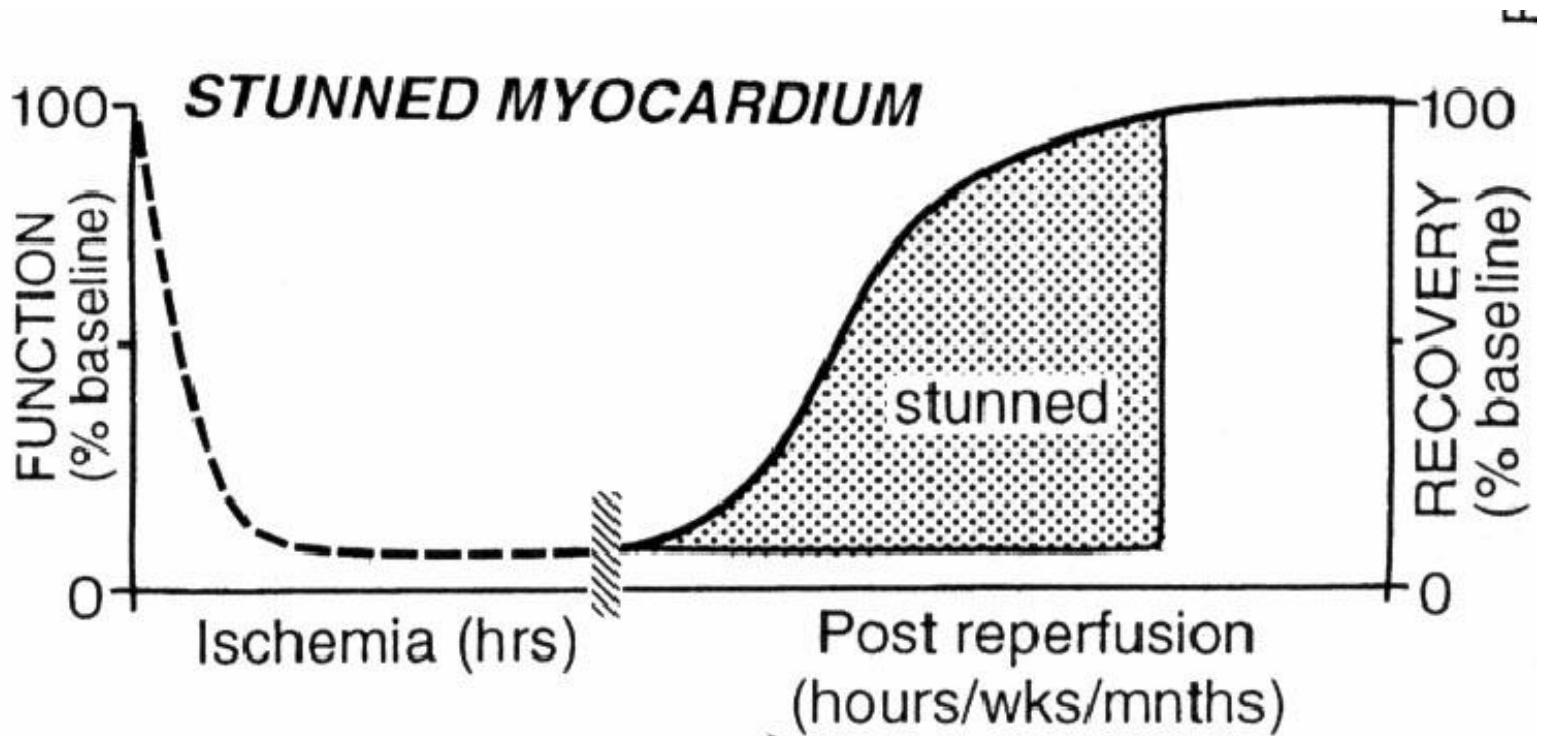
Metabolikus zavarok ischaemia és reperfúzió során



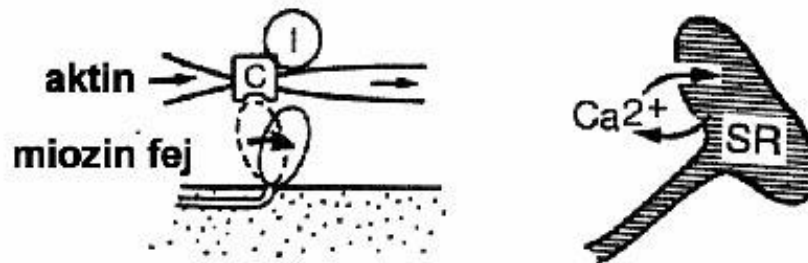
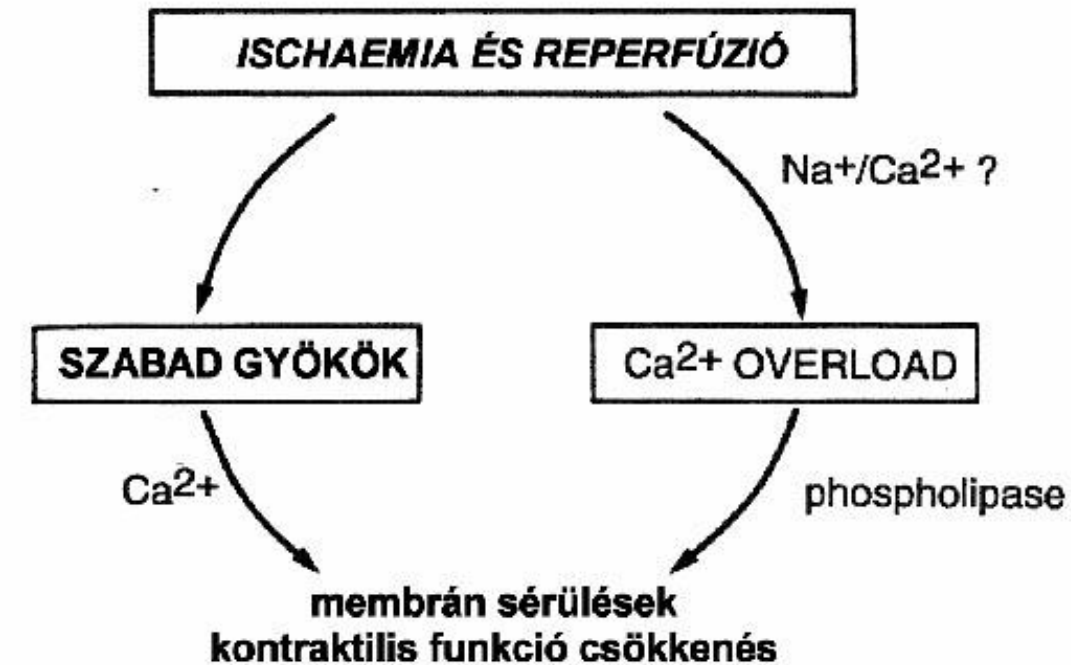
Szabad gyökök okozta károsodás



„Kábult” myocardium (stunning)

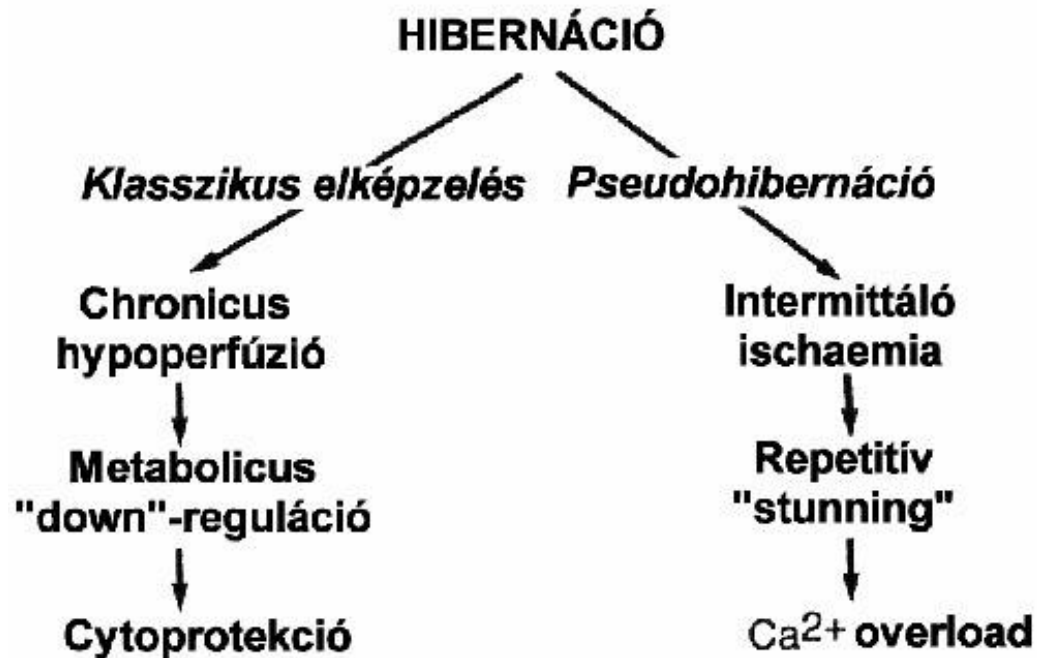
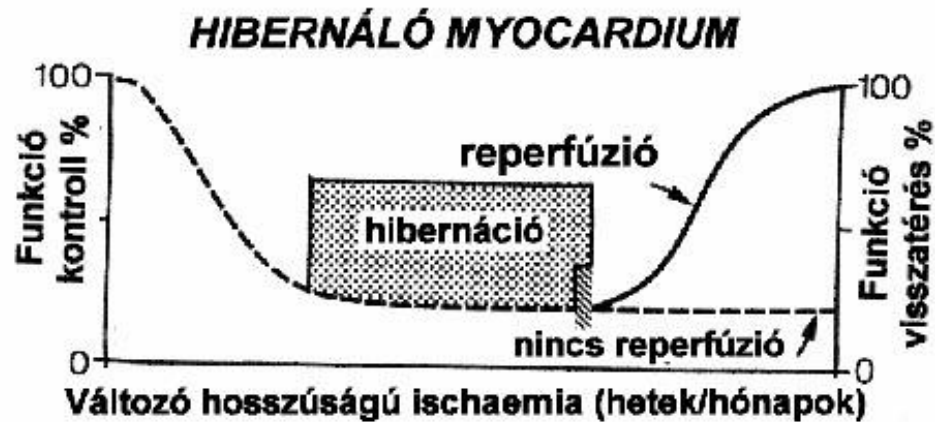


A myocardialis stunning kialakulási mechanizmusa

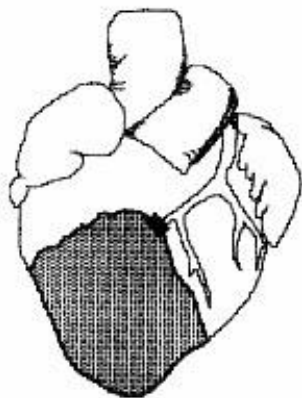


RELATÍV Ca-ÉRZÉKETLENSÉG

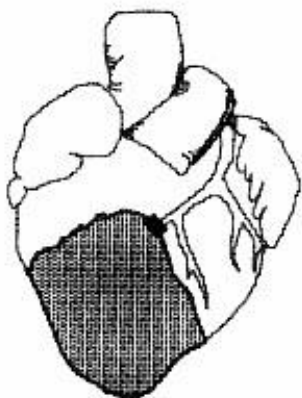
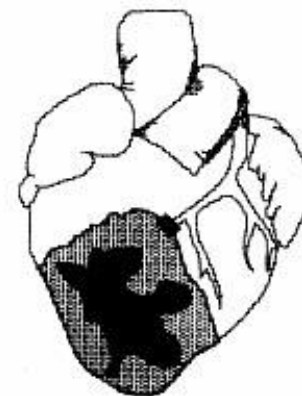
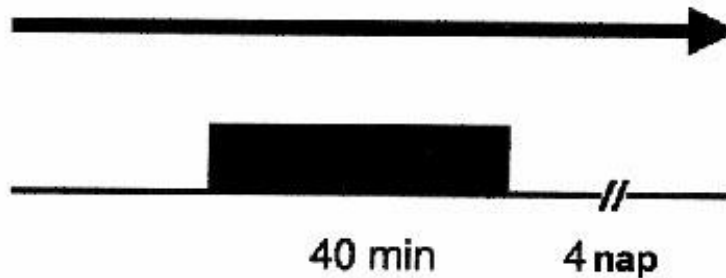
Myocardiális hibernáció



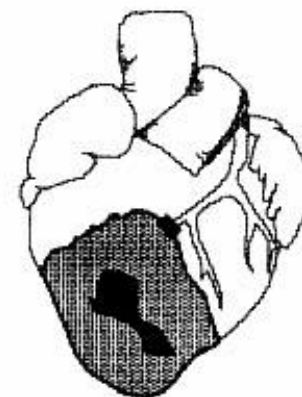
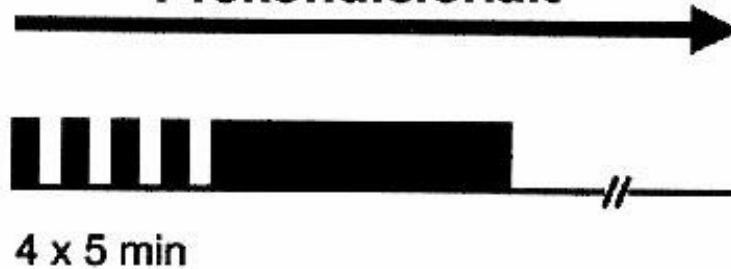
Ischaemiás prekondicionálás



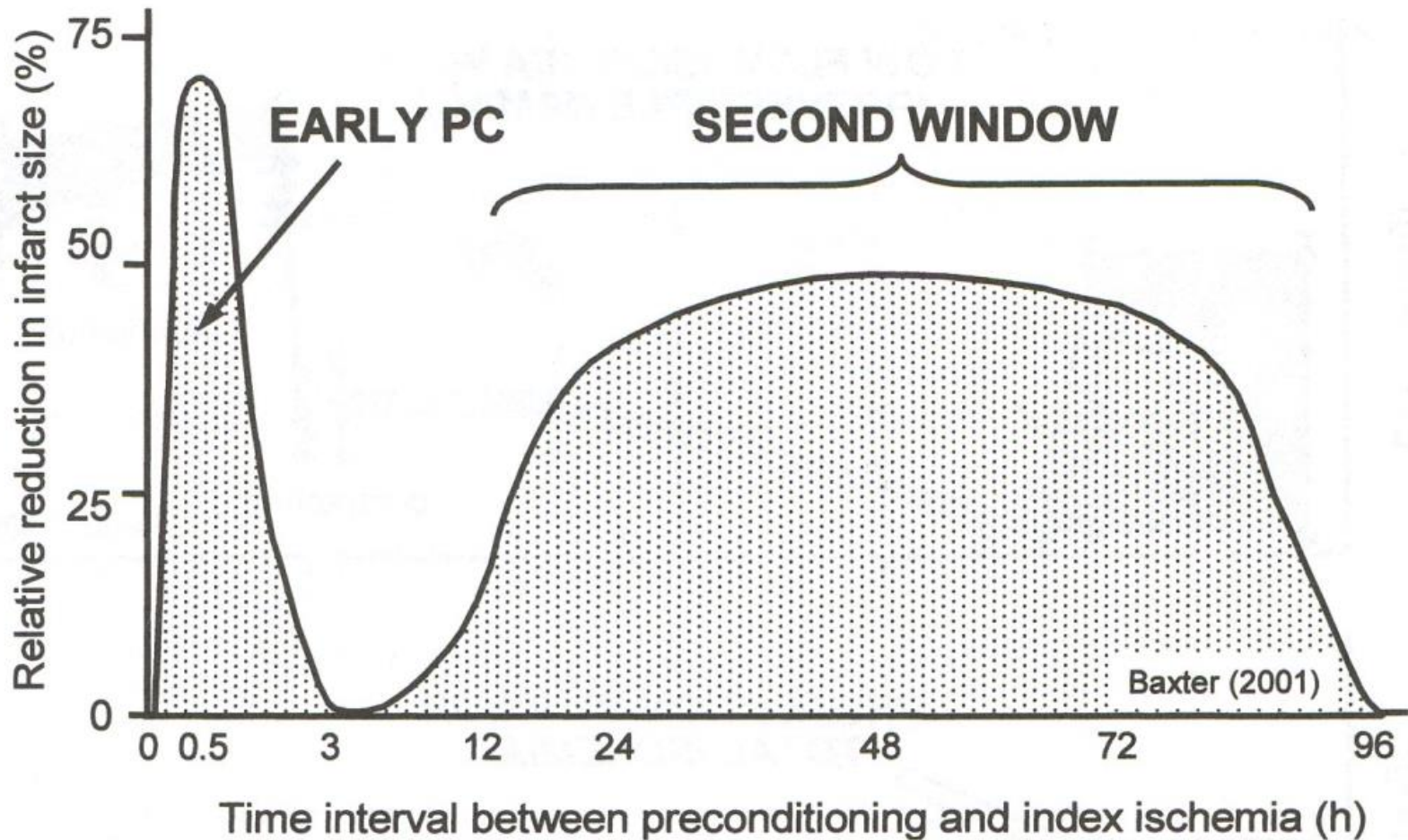
Ischaemiás kontroll



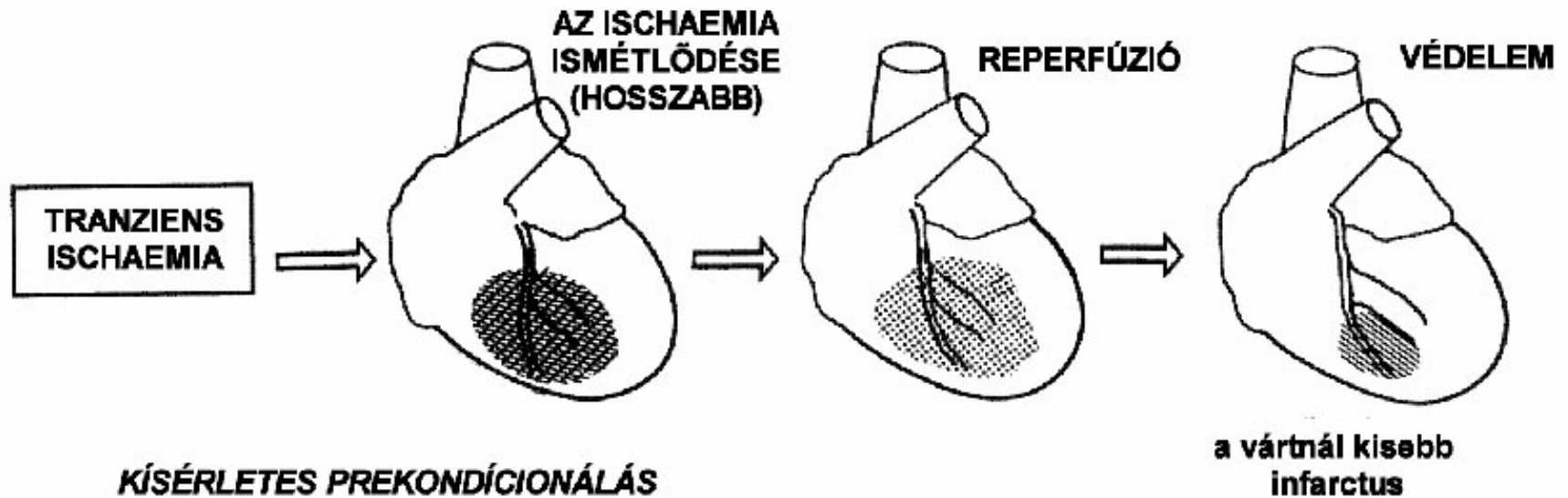
Prekondicionált



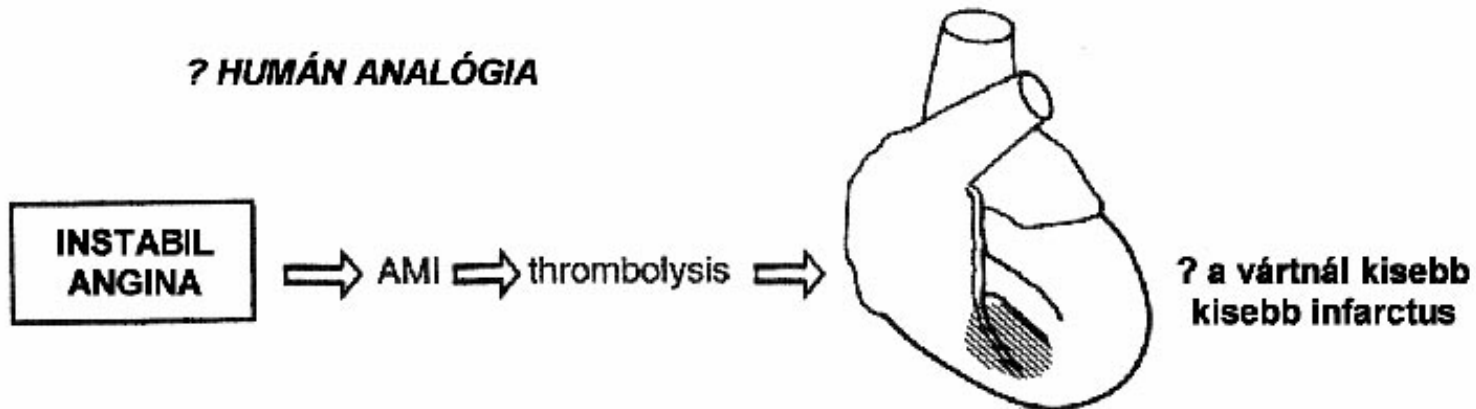
Az ischaemiás prekondicionálás (PC) két fázisa (korai és kései)



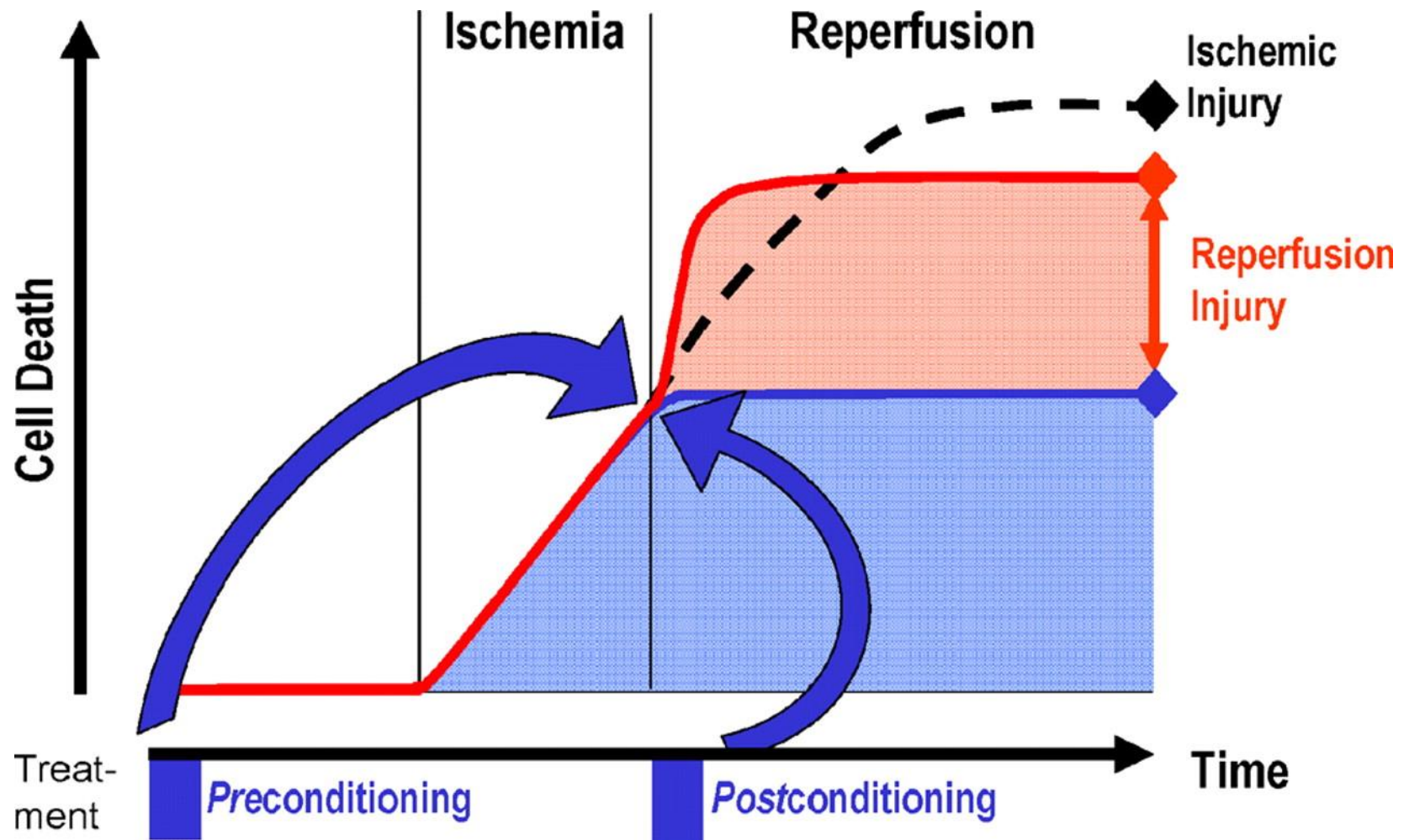
Az ischaemiás prekondicionálás klinikai vonatkozásai



? HUMÁN ANALÓGIA



Kardioprotekció vs. ischemiás/reperfúziós károsodás



Cardiovascular
Research

Az ischaemiás prekondicionálás mechanizmusa

