<포스터 1>

EVIDENCES OF INTRAVASCULAR PLUGGING DURING POST-ISCHEMIC REPERFUSION.

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It is now no longer a controversial issue that ischemic myocardium cannot survive without adequate restoration of coronary flow. Nevertheless, controversies that 'no-reflow' phenomenon during reperfusion causes contractile dysfunction for hours or days or weeks still remain. It has been suggested that the reperfusion dysfunction may be closely related with intravascular plugging. The authors attemp to show some evidences of intravascular plugging especially by PMNs (polymorphonuclear leukocytes) and platelets which may be of importance to determine the post-ischemic reperfusion dysfunction. Biopsied specimens of human hearts and those of laboratory animals from post-ischemic reperfused ventricular cardiac muscles were extensively examined with TEM (transmission electron microscope) and possible mechanisms of reperfusion dysfunction will be discussed.