Importance of Mitochondrial Proteins for Myocardial Ischemia/Reperfusion Injury and Protection From It

Prof. Dr. med. Christoph Maack
Klinik für Innere Medizin III,
Universitätsklinikum des Saarlandes, Homburg

Mitochondria are the major source of ATP, but also of reactive oxygen species (ROS) in cardiac myocytes. Since their function is controlled by calcium, deregulated calcium and sodium handling in failing hearts induce oxidative stress and energetic deficit and therefore, are potential targets for novel therapies in heart failure.

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