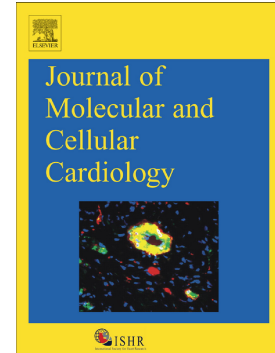


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Mitochondrial Complex I in the Post-ischemic Heart REPERFUSION-MEDIATED OXIDATIVE INJURY AND PROTEIN CYSTEINE SULFONATION

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Running title: *Complex I sulfonation in the myocardial infarction*

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Abbreviations: ETC, mitochondrial electron transport chain; I/R, myocardial ischemia and reperfusion; ROS, reactive oxygen species; $\bullet\text{O}_2^-$, superoxide anion radical; OCR, oxygen consumption rate; Q_2 , ubiquinone-2; PAGE, polyacrylamide gel electrophoresis; EPR, electron paramagnetic resonance; MS, mass spectrometry; MS/MS, tandem mass spectrometry; IMS, intermembrane space; SOD, superoxide dismutase; Fp, the flavoprotein subcomplex of complex I.

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