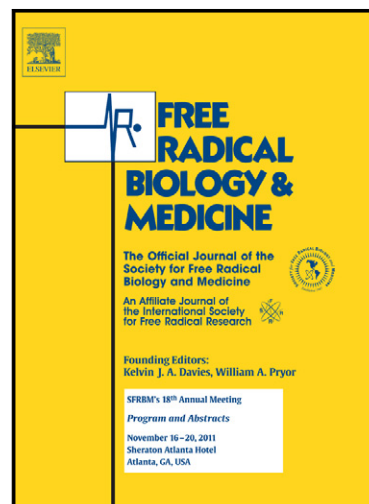


Myeloperoxidase impairs the contractile function in isolated Human cardiomyocytes

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Original Contribution

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Judit Kalász, Enikő Pásztorné Tóth, Miklós Fagyas, Ágnes Balogh, Attila Tóth, Viktória

Csató, István Édes, Zoltán Papp and Attila Borbély*

Division of Clinical Physiology, Institute of Cardiology, Faculty of Medicine, University of

Debrecen, Debrecen, Hungary

Abbreviations: ACS, acute coronary syndrome; ADHP, 10-acetyl-3,7-dihydroxyphenoxazine; APF, 2-(6-(4-aminophenoxy)-3-oxo-3H-xanten-9-yl)-benzoic acid; BSA, bovine serum albumin; CAD, coronary artery disease; CI, carbonylation index; CV, cardiovascular; DNPH, 2,4-dinitrophenylhydrazine; DMF, dimethylformamide; DTDP, dithiodipyridine; DTNB, 5,5'-dithio-bis(2-nitrobenzoic acid); DTT, dithiotreitol; ECL, enhanced chemiluminescence; EGTA, ethyleneglycoltetraacetic acid; F_{active} , cardiomyocyte active force; $F_{passive}$, cardiomyocyte passive force; HDL, high-density lipoprotein; HF, heart failure; HOCl, hypochlorous acid; H_2O_2 , hydrogen peroxide; Iso, isolating solution; LDL, low-density lipoprotein; LV, left ventricular; MetSO, methionine sulfoxide; MHC, myosin heavy chain; MI, myocardial infarction; MLC-1, myosin light chain-1; MPO, myeloperoxidase; MPO-I, MPO inhibitor (4-aminobenzhydrazide); MyBP-C, myosin-binding protein C; N2B, stiff titin isoform; N2BA, compliant titin isoform; NAC, N-acetyl-L-cysteine; NO, nitric oxide; NOS, nitric oxide synthase; NTB, 2-nitro-5-thiobenzoic acid; PBS, phosphate-buffered saline; pCa_{50} , measure of calcium sensitivity; PMSF, phenylmethylsulfonyl fluoride; ROS, reactive oxygen species; SDS, sodium dodecyl sulphate; SH, sulfhydryl; Tm, tropomyosin.

*Corresponding author at: Division of Clinical Physiology, Institute of Cardiology, Faculty of Medicine, University of Debrecen, H-4032 Debrecen, Móricz Zsigmond krt. 22., Hungary, Telephone/Fax: +36 52 255928, E-mail: borbelya@med.unideb.hu

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