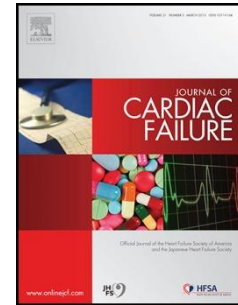


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Low circulating levels of mitochondrial and high levels of nuclear DNA predict mortality in chronic heart failure

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All authors take responsibility for all aspects of the reliability and freedom from bias of the data presented and their discussed interpretation.

Short title: Circulating DNA predict mortality in HF

Abbreviations: DAMPs^a, PRRs^b, nDNA^c, mtDNA^d, TLR9^e, DNase I^f, SERCA2a^g, ND1^h, RN18S1ⁱ, HEK293^j

^a Danger/damage associated molecular patterns

^b Pattern recognition receptors

^c Nuclear DNA

^d Mitochondrial DNA

^e Toll-like receptor 9

^f Deoxyribonuclease I

^g Sarco/endoplasmic reticulum Ca²⁺-ATPase

^h Nicotinamide Adenine Dinucleotide-Hydrogen dehydrogenase subunit 1

ⁱ 18S ribosomal DNA

^j Human embryonic kidney cell 293 cell-line

Key Words: DNA; Innate Immunity; Toll-Like Receptor 9; Mitochondria

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