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The Broken Heart: A matter of the endoplasmic reticulum stress bad manage



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Author: Axel H. Schönthal

Publish Year: 2012

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Chapter 7 Introduction to the endocrine system Flashcards ...

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cotisol- **stress** response, androgens- sex drive in females. Adrenal medulla "N" ... a signal sequence that directs the protein into the lumen of the rough **endoplasmic reticulum**. ... Chapter 7 - Introduction to the Endocrine System. 92 terms. Chapter 2: Molecular Interactions.

Parkinson's Disease and Supplementation - Dr. Ladd ...

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Damage to the **endoplasmic reticulum** is a crucial factor in neuronal apoptosis, and the pathogenesis of Parkinson's disease. (61) Resveratrol helps protects the **endoplasmic reticulum** from oxidative **stress**, as well as stimulates the production and renewal of endogenous antioxidant enzymes that protect the mitochondria and neuron from decay and ...

When ER stress reaches a dead end - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S016748891300311X>

When ER **stress** reaches a dead end ... **Endoplasmic reticulum (ER) stress** is a common feature of

Name of Journal: *World journal of Cardiology*

Manuscript NO: 46776

Manuscript Type: MINIREVIEWS

Broken heart: A matter of the endoplasmic reticulum stress bad management?

Souad Belmadani, Khalid Matrougui

Abstract

Cardiovascular diseases are the number one cause of morbidity and mortality in the United States and worldwide. The induction of the endoplasmic reticulum (ER) stress, a result of a disruption in the ER homeostasis, was found to be highly associated with cardiovascular diseases such as hypertension, diabetes, ischemic heart diseases and heart failure. This review will discuss the latest literature on the different aspects of the involvement of the ER stress in cardiovascular complications and the potential of

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Endoplasmic Reticulum Stress: Its Role in Disease and ...

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The **endoplasmic reticulum** (ER) is a multifunctional organelle required for lipid biosynthesis, calcium storage, and protein folding and processing. A number of physiological and pathological conditions, as well as a variety of pharmacological agents, are able to disturb proper ER function and thereby cause ER **stress**, which severely impairs protein folding and therefore poses the risk of ...

Cited by: 224

Author: Axel H. Schönthal

Publish Year: 2012

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rough **endoplasmic reticulum** (RER) contains ribosomes and looks rough (like sandpaper) smooth **endoplasmic reticulum** (SER) ... movement of fluid across the capillary wall as a result of the force of blood flow from the **heart**) active transport pumps. ... (**bad** and good) consumed in the diet and synthesized in the liver from saturated fat.

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When ER stress reaches a dead end - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S016748891300311X>

Endoplasmic reticulum (ER) **stress** is a common feature of several physiological and pathological conditions affecting the function of the secretory pathway. To restore ER homeostasis, an orchestrated signaling pathway is engaged that is known as the **unfolded protein response** (UPR).

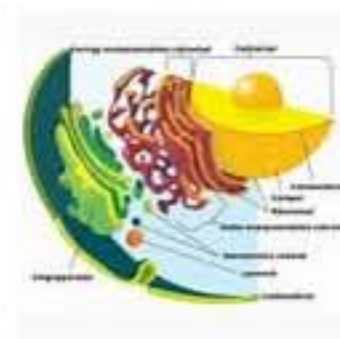
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Endoplasmic reticulum



The endoplasmic reticulum (ER) is a type of organelle in the cells of eukaryotic organisms that forms an interconnected network of flattened, membrane-enclosed sacs or tube-like structures known as cisternae. The membranes of the ER are continuous with the outer nuclear membrane.

Wikipedia

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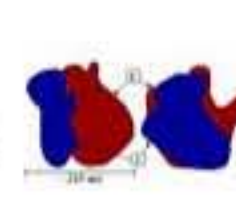
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