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<https://www.cell.com> › fulltext- 이 페이지 번역하기

The Genetic Basis for Cardiomyopathy: Cell

JG Seidman 저술 - 2001 - 1175회 인용 - 관련 학술자료

This productive **approach** led to a fundamental change in conventional These **models** exhibit many characteristics of the **human** disease, including cardiac A **better** understanding of the role that structural proteins play in myocyte biology ...



<https://www.ncbi.nlm.nih.gov> › pmc › PMC6312446 ▼ 이 페이지 번역하기

Concise Review: The Current State of Human In Vitro Cardiac Disease...

MF Hoes 저술 - 2019 - 2회 인용 - 관련 학술자료

Gene Editing in Cardiomyopathies 링크로 이동 - Primary cells, **cell** lines and stem cells can be utilized as a basis for in vitro disease **models** to study **cardiomyopathies**. ... While hiPSC are currently a popular **choice** for many **cell**-based studies, recent ... to create the **perfect** experimental controls in hiPSC and hESC: a ...



<https://www.ncbi.nlm.nih.gov> › pmc › PMC5611968 ▼ 이 페이지 번역하기

Human pluripotent stem cell models of cardiac disease: from ... - NCBI

KO Brandão 저술 - 2017 - 24회 인용 - 관련 학술자료

Cardiomyopathies 링크로 이동 - **Cardiomyopathies** ... PDE2 inhibitors are a **better option**, although currently there are no FDA-approved PDE2 inhibitors.



jcb.rupress.org › 2011 Archive › 8 August ▼ 이 페이지 번역하기

Cellular mechanisms of cardiomyopathy | JCB



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Cellular mechanisms of cardiomyopathy - PubMed Central ...

www.ncbi.nlm.nih.gov › ... › [J Cell Biol](#) › v.194(3); 2011 Aug 8

Aug 08, 2011 · Cellular mechanisms of **cardiomyopathy**. Pamela A. Harvey and Leslie A ... the **best** described causes are the >900 mutations in genes expressed in ... Utilization of animal and **cellular models** to further probe the mechanisms of **cardiomyopathy** and demonstrate efficacy of drugs that specifically target disease-causing pathways hold ...

Cell models of arrhythmogenic cardiomyopathy: advances ...

dmm.biologists.org/content/10/7/823 ▾

Jul 01, 2017 · This appraisal of in vitro **models** of arrhythmogenic **cardiomyopathy** highlights the discoveries made about this disease and the uses of these **models** for future basic and therapeutic research. ... the advantages of hiPSCs as ACM **cell models** include their **human** origin, their potential unlimited availability and their suitability for high-throughput ...

Cited by: 7

Author: Elena Sommariva, Ilaria Stadiotti, Gianluc...

Publish Year: 2017

Combinatorial interactions of genetic variants in human ...

www.nature.com › [nature biomedical engineering](#)

Feb 07, 2019 · Genome-edited **human** pluripotent stem cells and genome-edited mouse **models** reveal that combinatorial genetic interactions contribute to the complex genetic heritability of **human cardiomyopathy** ...

Cited by: 1

Author: Dekker C. Deacon, Cassandra L. Happe, ...

Publish Year: 2019

The Molecular Genetic Basis for Hypertrophic Cardiomyopathy

www.ncbi.nlm.nih.gov › [Journal List](#) › [HHS Author Manuscripts](#)

The **best**-characterized **model** is the α -MyHC-Q 403 knock in **model**, ... Variants of trophic factors and expression of cardiac hypertrophy in patients with hypertrophic **cardiomyopathy**. *J.Mol.Cell.Cardiol.* 2000; 32:2369–2377. 49. ... (92), responsible for **human** hypertrophic **cardiomyopathy**. *J.Mol.Cell Cardiol.* 2000; 32:365–374.

Cited by: 544

Author: A. J. Marian, Robert Roberts

Publish Year: 2001

Hypertrophic cardiomyopathy - Diagnosis and treatment ...

www.mayoclinic.org › ... › [Diseases & Conditions](#) ▾

Name of Journal: *World Journal of Cardiology*

Manuscript NO: 47244

Manuscript Type: REVIEW

Cellular models for human cardiomyopathy: What is the best option?

Jimenez-Tellez N *et al.* Cellular models for cardiomyopathy

Nerea Jimenez-Tellez, Steven C Greenway

Abstract

The genetic cardiomyopathies are a group of disorders related by abnormal myocardial structure and function. Although individually rare, these diseases collectively represent a significant health burden since they usually develop early in life and are a major cause of morbidity and mortality amongst affected children. The heterogeneity and rarity of these disorders requires the use of an appropriate model system in order to characterize the mechanism of disease and develop useful therapeutics since standard drug trials are infeasible. A common approach to study human disease involves the use of animal

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Cellular mechanisms of cardiomyopathy | JCB

jcb.rupress.org/content/194/3/355 ▾

Aug 08, 2011 · In the past decade, resources available to study cardiomyopathies at the **cellular** level have evolved to allow the study of mechanisms of pathogenesis using a variety of experimental approaches including in vitro biochemistry, **cell** biology, and animal **models** (Flavigny et al., 1999; Haq et al., 2000; Maass and Buoli, 2007). These studies have ...

Cited by: 249

Author: Pamela A. Harvey, Leslie A. Leinwand

Publish Year: 2011

Dilated cardiomyopathy - Diagnosis and treatment - Mayo ...

<https://www.mayoclinic.org/diseases-conditions/dilated-cardiomyopathy/diagnosis...> ▾

Diagnosis

Treatment

Clinical Trials

Lifestyle and Home Remedies >

Your doctor will take a personal and family medical history. Then, he or she will also do a physical exam using a stethoscope to listen to your heart and lungs, and order tests. Your doctor may refer you to a heart specialist (cardiologist) for testing. Tests your doctor might order include: 1. Blood tests. These tests give your doctor information about your heart. They also may reveal if you have an infection, a metabolic disorder or toxins in your blood that can cause dilated cardiomyopathy....

[See more on mayoclinic.org](https://www.mayoclinic.org)

Molecular mechanisms of arrhythmogenic cardiomyopathy ...

<https://www.nature.com/articles/s41569-019-0200-7>

Apr 25, 2019 · Through the development of animal, induced pluripotent stem **cell** and other **models** of disease, advances in our understanding of the pathogenic mechanisms of arrhythmogenic **cardiomyopathy** over the ...

Cited by: 1

Author: Karyn M. Austin, Michael A. Trembley, St...

Publish Year: 2019

Author: Karyn M. Austin

Cellular mechanisms of cardiomyopathy - PubMed Central ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3153638>

Aug 08, 2011 · Studies from **human** heart biopsies reveal that greater **cell** loss is observed in the early stages of **cardiomyopathy**, suggesting that anti-apoptotic pathways are up-regulated after **cell** loss has been initiated (Akyürek et al., 2001). It follows that tight regulation of apoptosis is required for proper cardiac adaptation and that disruption of ...

Use Of Stem Cells In The Treatment Of Cardiomyopathy