cardiomyopathies recent advances in studies on cardiac structure and metabolism

The Emerging Role of Epigenetics in Therapeutic Targeting

Abstract: Cardiomyopathies (CMPs) are a heterogeneous group of myocardial diseases accountable for the majority of cases of heart failure (HF) and/or sudden cardiac death (SCD) worldwide. With the recent advances in genomics, the original classification of CMPs on the basis of morphological complex relationship among heart failure, cancer, and

Cardiomyopathy: An Overview - American Family Physician

15/11/2017 · The definition and classification of cardiomyopathy have evolved considerably in recent years. Cardiomyopathy can be separated into primary (genetic, mixed, or ...

Hypertrophic cardiomyopathy - Wikipedia

Nonetheless, recent studies in pediatric cardiology have revealed that HCM accounts for 42% of childhood cardiomyopathies, with an annual incidence rate of 0.47/10,000 in children. Further, in asymptomatic cases, sudden death is considered one of the most feared complications associated with the disease in select pediatric populations.

Ultrasound of Fetal Cardiac Anomalies : American Journal

The basic view performed in cardiac ultrasound is the four-chamber view [L], which can detect 43–96% of fetal anomalies [J]. “Extended basic views” of the left ventricular outflow tract (LVOT) and right ventricular outflow tract (RVOT) increase the sensitivity for the detection of anomalies.

Studies

Women’s Studies The online course in Women’s Studies is designed for people who wish to understand the world today with a broad historical perspective, which brings together history and culture. Achieving effective equality between women and men requires a complete, real and authentic vision of events.

Myocarditis and inflammatory cardiomyopathy: current

12/10/2020 · Inflammatory cardiomyopathy is defined as myocarditis in association with cardiac dysfunction and ventricular remodelling 1,2.Despite extensive research and improved diagnosis and understanding of Challenges in management of left ventricular thrombus

7/6/2017 · The prototypical substrate for LVT is a recent anterior myocardial infarction (MI) with an akinetic apex that provides the perfect milieu for thrombus formation. Advances in imaging techniques (contrast echocardiography and MRI) have also increased the sensitivity of diagnosing LVT. Once diagnosed, the initial treatment is anticoagulation.

Cells - MDPI

The Feature Paper can be either an original research article, a substantial novel research study that often involves several techniques or approaches, or a comprehensive review paper with concise and precise updates on the latest progress in the field that systematically reviews the most exciting advances in scientific literature.

BNP: An important new cardiac test - Harvard Health

16/12/2019 · It’s a very serious condition, but treatments have produced major advances. But to treat CHF, you first have to diagnose it **" and that’s where BNP fits in. Diagnosing congestive heart failure. Doctors can usually diagnose advanced CHF on clinical grounds, confirmed by simple studies like chest x-rays, EKGs, and routine blood tests.

PPM Implantation After TAVR - American College of Cardiology

16/9/2019 · A recent study by Ream et al. showed the utility of 30-day ambulatory event monitoring in identifying post-TAVR delayed high-grade AVB (≥2 days post-TAVR). In this single-center study, ambulatory event monitoring was helpful in the identification and treatment of 16% of post-TAVR outpatients who had delayed high-grade AVB.

Heart failure: Causes, types, diagnosis, treatments

Heart failure is a major public health problem worldwide. While the incidence of coronary heart disease and acute myocardial infarction has been reduced by approximately 50% during the past few decades, the incidence of heart failure has remained stable. New data actually suggest that the incidence of heart failure among young adults has increased in recent years (Nabel et al, Savarese et al).

Screening professional athletes for cardiovascular

3/8/2021 · Recent clinical and pathological studies have demonstrated that a non-ischaemic left ventricular myocardial scar may be a not so uncommon and clinically concealed substrate of life-threatening arrhythmias in the athlete. 10 This myocardial lesion may be caused by a variety of myocardial diseases, including myocarditis, sarcoidosis, and genetic cardiomyopathies.

Strengths and Limitations of the ASCVD Risk Score and What

25/8/2014 · Recent five-year follow-up data from the most broadly representative contemporary U.S.-based cohort study, the Reasons for Geographic and Racial Disparities in Stroke (REGARDS) study, 8 suggest fair discrimination and good calibration of the equations in ...
Studies of lamins became more popular in the 1990s when it was discovered that mutations in the genes that code for lamins can be related to muscular dystrophies, cardiomyopathies, and neuropathies. Current research is being performed to develop treatment methods for the aforementioned laminopathies and to investigate the role lamins play in the aging process.

Guidelines & Clinical Updates | CHFS
Important new studies have demonstrated in less symptomatic HF patients that cardiac resynchronization therapy will be of benefit. As well, and a review of recent important or landmark clinical trials, but major advances in both diagnosis and management have occurred and will continue to improve symptoms and other outcomes in patients.

CT head | Radiology Reference Article | Radiopaedia.org
21/9/2021 · CT head (sometimes termed CT brain), refers to a computed tomography examination of the brain and surrounding cranial structures. It is most commonly performed as a noncontrast study, but the addition of a contrast-enhanced phase is performed for some indications.

Diagnosis and Management of Myocarditis in Children
7/7/2021 · Viral serology had low positive and negative predictive values in studies confirming myocarditis by biopsy, although 1 study showed a 4-fold increase in viral antibody titer correlated with infection. 32 PCR is extremely sensitive and specific and may identify the viral genome in the heart in ~45% to 50% of suspected cases. 10,34 It can also define viral load qualitatively and has been shown

Classification of left ventricular size: diameter or
Background Left ventricular (LV) size is an important clinical variable, commonly assessed at echocardiography by measurement of the internal diameter in diastole (IDD). However, this has recognised limitations and volumetric measurement from apical views is considered superior, particularly with the use of echocardiographic contrast. We sought to determine the agreement in classification of

Parenteral Immunoglobulins - Medical Clinical Policy
Recent studies have contributed to defining the specific position of multifocal motor neuropathy within the spectrum of chronic immune-mediated polyneuropathies. One study compared features of this condition with multifocal acquired demyelinating sensory and motor neuropathy, while others have focused on pathological alterations at the site of conduction blocks.

Dilated Cardiomyopathy Treatment & Management: Approach