Correlation between age and pulse wave velocity in adults, Salvador, Bahia, Brazil in a population-based study: Design, methods and preliminary results

Cardiovascular diseases are the leading cause of death in Brazil. The pulse wave velocity (PWV) is an independent cardiovascular risk factor detecting arterial stiffness, correlated to age, among other variables ...

Targeting metalloproteinases in cardiac remodeling

During the last years metalloproteinases as a family of proteases have been implicated in various human diseases and catalytic mechanisms of pathological disorders. Metalloproteinases can be divided into two subgroups, matrix metalloproteinases (MMPs) and adamalysins (ADAMs). ...
A mathematical description of the arrhythmia of the heart

Published On: July 26, 2019 | Pages: 042 - 044

Author(s): VI Kaganov*

The problem of synchronization of oscillations of various physical nature is discussed. From the standpoint of the theory of synchronism, the model of the heart is considered as a system of four interconnected between self-oscillatory objects: two atria and two ventricles. The synchronous and asynchronous modes of operation with sinusoidal and relaxation oscillations ...

Case Report

Primary mediastinal large B-cell lymphoma with extensive cardiac involvement

Published On: October 26, 2019 | Pages: 067 - 068

Author(s): Alma L Pulido, Mike Cusnir, Saberio Lo Presti, Diego Lugo Baruqui, Nicholas Suraci* and Orlando Santana

Data regarding the optimal therapeutic approach of patients with primary mediastinal B-cell lymphoma and cardiac involvement are limited. Reports suggest that multi-agent systemic chemotherapy, along with radiation therapy, may be effective in the treatment of these patients. ...
Refractory Ventricular Tachycardia Storm: A case report and review of literature

Ventricular tachycardia (VT) storm continues to be an important challenge for the cardiologists all over the globe. VT storm usually occurs in a structurally diseased heart with low left ventricular ejection fraction (LVEF) but may also occur in patients with arrhythmic syndromes like long QT syndrome, Brugada syndrome and catecholaminergic polymorphic VT who have ...

Schwannoma of the Thoracic Esophagus

A rare tumor, esophageal schwannoma, was first described by Chaterlin and Fissore in 1967 [1]. These tumors are commonly found incidentally in patients presenting with symptoms of GERD, dysphagia, or dyspnea with the first evidence being an abnormal chest radiograph. Histologically the tissue presents as bundles of bland spindle cells with elongated nuclei without ...