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

Published On: September 06, 2019 | Pages: 061 - 066

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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

Published On: July 31, 2019 | Pages: 051 - 060

Author(s): Anestakis Doxakis*, Konstantinidou Polyanthi, Tsepa Androniki, Petanidis Savvas, Zagelidou Eleni, Leontari Roubini and Raikos Nikolaos

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 ...

Refractory Ventricular Tachycardia Storm: A case report and review of literature

Published On: July 27, 2019 | Pages: 045 - 050

Author(s): Navjyot Kaur*

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

Published On: July 11, 2019 | Pages: 039 - 041

Author(s): Li Poa1*, Edward Ranzenbach2, David Chung2, Chirag Patel3 and Michelle Min4
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 ...