Human umbilical cord blood derived mesenchymal cells for the treatment of myocardial infarction in rat model

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Objectives: The present study was designed to know the possible protective and regenerative effects of human Umbilical Cord Blood (UCB) derived MSCs in Myocardia Infarction (MI) in rat model using Isoproterenol administration. Material & methods: Isoproterenol injection was given subcutaneously for 2 days to induce MI in rat model. After development of MI various bl ...
diagnosis of acute myocardial infarction in patients presenting with acute onset chest pain in emergency departments. The early heart study

Published On: March 12, 2020 | Pages: 047 - 052

Author(s): Sheikh Jan M*, Rajiv Agarwal, Samiera Hassan and Vinita Thakur

Background: An early diagnosis of myocardial infarction is highly important in the Emergency Department (ED). It facilitates rapid decision making and treatment and therefore improves the outcome in patients presenting with symptoms of chest pain. Aims and objectives: To study diagnostic utility of new point of care high sensitive troponin-I assay in early diagnosis ...

Effect of hypercholesterolemia on hypertension-induced renal injury in rats: Insights in the possible mechanisms

Published On: February 22, 2020 | Pages: 039 - 046

Author(s): Ahmed O Abdel-Zaher*, Hanan SM Farghaly, Abeer EM El-Refaiy and Ahmed M Abd-Eldayem

The effect of hypercholesterolemia on hypertension-induced renal injury was investigated in rats. Hypertension was induced by L-N(G)-nitroarginine methyl ester (L-NAME) and Hypercholesterolemia was induced by feeding rats with a diet containing 1% cholesterol. In these animals L-NAME produced a progressive increase in the systolic, diastolic and mean arterial Blood Pr ...

Immediate effect of thoracic manual therapy on respiratory parameters, chest expansion and rom of thorax and cervical spine in mild to moderate COPD-A randomized clinical trial

Published On: February 12, 2020 | Pages: 028 - 032

Author(s): Ganesh BR and Chandra Bahadur Khatri*

Background: COPD is one of the non-communicable diseases related to lung parenchyma and airways which are one of the leading causes of death and disability in India. COPD is not only considered as lung disease but also it has systematic effects that lead to co-morbidities contributing to poor performance in functional level and decreased quality of
Epicardial adipose tissue thickness in patients with urolithiasis

Published On: February 05, 2020 | Pages: 024 - 027

Author(s): Burak Altun*, Eyup Burak Sancak, Berkan Resorlu, Hakan Tasolar, Alpaslan Akbas, Gurhan Adam, Mustafa Resorlu and Mehzat Altun

Aim: We aimed to assess the relationship between urinary stone disease which is accepted as a component of metabolic syndrome and epicardial adipose tissue (EAT) thickness. Methods: The study included 45 patients and 39 healthy controls. EAT thickness was measured by echocardiography in all subjects. ...
FMTVDM-Finally Opens the Doorway from Qualitative to Quantitative Measurement and Treatment of Heart Disease

Published On: April 13, 2020 | Pages: 060 - 062

Author(s): Richard M Fleming* and Matthew R Fleming

Diagnostic determination of coronary artery disease has primarily relied upon qualitative image interpretation and tests of minimal measurable value. The introduction of the first measurable test dates back to the late 1890s following its presentation by Willem Einthoven at a Dutch Medical Association Conference in 1893—the electrocardiogram. ...

Case Report

Diagnosis and management of a rare case of ruptured sinus of Valsalva into the right atrium

Published On: February 19, 2020 | Pages: 033 - 035

Author(s): Charan Reddy KV*, Bhavesh Vajifdar, Pavan Kumar and Aniket Vazirani

Sinus of Valsalva Aneurysm (SOVA) can arise from any of the three aortic sinuses. Aneurysm arising from the right coronary sinus, rupturing into the right atrium is extremely uncommon. SOVA’s are seen more in males than females and in Asians than other ethnic groups. Majority of the cases are diagnosed during routine echocardiography and conventional angiography. Howe ...

What is the role for treatment of hyperlipidemia in the primary prevention patient?

Published On: January 27, 2020 | Pages: 004 - 005

Author(s): Richard M Fleming*, Matthew R Fleming and Tapan K Chaudhuri
It is reported that Hippocrates said If someone wishes for good health, one must first ask oneself if he is ready to do away with the reasons for his illness. Only then is it possible to help him and Our food should be our medicine and our medicine should be our food. ...

Short Communication

Recognizing the fundamental flaw in our dietary studies investigating the impact diets, drugs and lifestyle have on preventing or reversing CAD

Published On: February 21, 2020 | Pages: 036 - 038

Author(s): Richard M Fleming, Matthew R Fleming* and Tapan K Chaudhuri
Since the introduction of the (a) Inflammation and Heart Disease, and (b) Angina, Theories in the mid-1990s, a transition from a cholesterol only etiology for coronary artery disease (CAD) has taken place; resulting in an understanding that CAD is the result of an Inflammatory process precipitated by a number of factors-including, but not limited to LDL cholesterol an ...

In theory-Sharing AI’s black box sounds great-But in reality it’s not

Published On: January 27, 2020 | Pages: 002 - 000

Author(s): Richard M Fleming*, Matthew R Fleming and Tapan K Chaudhuri
In theory, the concept of sharing scientific information and knowledge seems safe [1]. However, in reality those who seek to obtain that knowledge are not always so pure in motive – consider Nobel’s experience with dynamite (Patent # 78317) - something driven home at every meeting we present The Fleming Method for Tissue and Vascular Differentiation and Metabolism (FM ...
Are statins overprescribed?

Published On: January 27, 2020 | Pages: 001 - 001

Author(s): Richard M Fleming*, Matthew R Fleming and Tapan K Chaudhuri

The use of HMG Co-A reductase inhibitors, colloquially known as statins, represent one of the most prescribed class of medications in history, exceeding 200 million prescriptions per year in the U.S. alone [1]. The confounding variable of adult onset diabetes (T2D) has added hundreds of millions of additional prescriptions to what are already prescribed [1], in a batt ...

The Journey of TAVR

Published On: April 27, 2020 | Pages: 086 - 087

Author(s): Luis M de la Fuente* and Facundo E Peñaloza

Eighteen years ago, Alain Cribier, MD, and colleagues performed the first transcatheter aortic valve replacement in the year 2002 at Charles Nicolle University Hospital, University of Rouen, France [1]. In the intervening years, Transcatheter Aortic Valve Replacement (TAVR) has completely revolutionize the landscape of Cardiovascular medicine and brought a new spotlig ...

Risk stratification to guide management in cardiogenic shock due to acute myocardial infarction. An illustrative case series and review of the literature

Published On: March 20, 2020 | Pages: 053 - 056

Author(s): Rajkumar Rajendram*

In patients who sustain an Acute Myocardial Infarction (AMI), Cardiogenic Shock (CS) is the most common cause of
inpatient death. Despite significant advances in medical and surgical management, mortality rates approaching 80% have been described in some cohorts. However, the severity of CS and outcomes after AMI vary widely. Management requires a rapid, well-organise ...