Research Article

Real-world outcomes of anticoagulant prescription in anticoagulant-naïve octogenarian patients with non-valvular atrial fibrillation

Published On: June 08, 2020 | Pages: 188 - 194

Author(s): Sugeon Park and Chang Hee Kwon*

Background and objectives: The clinical practice of anticoagulation in anticoagulant-naïve octogenarians with non-valvular atrial fibrillation (NVAF) has not been established in a real-world setting. We aimed to investigate the real-world prescription for anticoagulation and to compare the efficacy and safety of non-vitamin K antagonist oral anticoagulants (NOACs) an ...

The impact of partial blood replacement on postoperative outcome for pediatric patients with cyanotic heart disease

Published On: May 30, 2020 | Pages: 167 - 188

Author(s): The impact of partial blood replacement on postoperative outcome for pediatric patients with cyanotic heart disease

Background: Pediatric patients with cyanotic congenital heart disease who underwent open heart corrective surgery, were unfortunately suffering from postoperative clinical deterioration which may leads to morbidity and mortality. Most of blood transfusion indications are now well managed exclusively with blood component therapy, however concerns about logistics, safet ...
Circulatory pulmonary artery denervation in patients with severe pulmonary hypertension undergoing combined mitral valve surgery and procedure Maze IV

Published On: May 25, 2020 | Pages: 146 - 151

Author(s): Babokin Vadim Egorovich, Trofimov Nikolai Alexandrovich*, Medvedev Aleksander Pavlovich, Nikolskiy Alexander Viktorovich, Dragunov Andrey Gennadievich, Egorov Dmitrii Vladimirovich and Babokina Sofia Vadimovna

Background: The aim of this study was to evaluate the impact of sympathetic denervation of the pulmonary trunk and main pulmonary arteries on outcomes of surgical treatment in patients with mitral valve dysfunction, complicated by atrial fibrillation (AF) and severe Pulmonary Hypertension (PH). ...

Abstract View | Full Article View | DOI: 10.17352/2455-2976.000130

The New Carotid Braided Stent CASPERTM RX. Single center experience in 50 cases

Published On: May 15, 2020 | Pages: 129 - 135

Author(s): Cabral de Andrade G*, Lesczynski A, Clímaco VM and Pereira ER

Purpose: Carotid stenosis, as well as dissections and pseudo dissecting aneurysms are etiological factors of Ischemic stroke. A new braided double-layer Nickel titanium Stent CASPERTMRX has super elasticity, shape-memory properties, combined with re-sheathable and repositionable, improving placement accuracy in a closed cell with flow diversion capability. To evaluate ...

Abstract View | Full Article View | DOI: 10.17352/2455-2976.000127
**Esophageal temperature evolution during high power short duration ablation: Numerical simulations and clinical suggestions**

Published On: May 15, 2020 | Pages: 125 - 128

Author(s): Antonio Fasano* and Luca Anfuso

In recent times electrophysiologists started considering the possibility of performing Radiofrequency (RF) ablation for the treatment of atrial fibrillation by delivering shorter pulses of larger power (e.g. 60W, 6s applications). Such a technique is known as High Power Short Duratio (HPSD) Ablation [1-5]. ...

**Genetic Variants of Abo Blood Group and Coronary Artery Disease**

Published On: May 09, 2020 | Pages: 104 - 109

Author(s): PK Chawla, CK Ponde, RM Rajani, AS Deshpande, RB Sawant and TF Ashavaid*

Background: The ABO gene encodes for the blood group antigens which are expressed on the surface of RBCs, platelets and the vascular endothelium. Several recent studies and GWASs have identified ABO as a locus for thrombosis, myocardial infarction, and multiple cardiovascular risk biomarkers. Objectives: The objective of the study was to determine the association of ...

**HELP syndrome, A real general disease that threatens the maternal morbidity and mortality at the EHU in Oran**

Published On: May 01, 2020 | Pages: 094 - 097

Author(s): Setti Aouicha Zelmat*, NBelhachemie, D Bouabida K Kerbouia, E Boucherit and F Mazour

Hellp Syndrome (hemolysis, elevated liver enzymes, low platelet count) is an obstetric emergency. ...
Human umbilical cord blood derived mesenchymal cells for the treatment of myocardial infarction in rat model

Published On: April 27, 2020 | Pages: 079 - 085

Author(s): Ayapati Gautam Mehdi, Vikram Aiman Ayapati, Avinash B, A. A. Khan, Nirmal Kumar Lohiya, Dharma Rakshak Ayapati, Roya Rozati

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 ...

FMTVDM Study Proposal: WID2H - Breast Trial. (Weight, Inflammation, Diet v Drug, Heart disease) – Breast Trial

Published On: April 21, 2020 | Pages: 072 - 078

Author(s): Richard M Fleming*, Matthew R Fleming and William C Dooley

As we enter this new decade, medicine is presented with the daunting task of resolving incongruities in our existing data and the ever-increasing incidence of obesity, Coronary Artery Disease (CAD) and cancer – including but not limited to breast cancer. The consequence of our failure to quantitatively measure the impact of diets and drugs at the tissue level where th ...

A combination of depression and decreased physical function further worsens the prognosis of patients with chronic cardiovascular disease

Published On: April 21, 2020 | Pages: 063 - 071
Author(s): Kenya Osada, Minako Yamaoka-Tojo*, Shinichi Obara, Hidenori Kariya, Yohei Kato, Akinori Yuyama, Kentaro Kamiya, Atsuhiko Matsunaga and Junya Ako

Background: Patients with Cardiovascular Disease (CVD) have high rates of depression and decreased physical function. In addition, the physical function has been reported to decline in patients with depression. However, there is no clear relationship between depression and physical function in patients with CVD. Moreover, the effects of the combination of depression a ...

How Expensive is it to lose weight? - The financial cost of one such weight loss program

Published On: April 11, 2020 | Pages: 057 - 059

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

Background: Obesity is the result of excess caloric consumption compared with caloric expenditure. Multiple approaches exist including pre-packaged meals. This study looked at just one proposed product and the cost of its use. Methods: Sixty premenopausal women were selected to participate in a weight reduction product composed of prepackaged soy protein. The soy pro ...

The role of cardiac rehabilitation in aviation medicine

Published On: June 12, 2020 | Pages: 195 - 198

Author(s): Jeffrey Dwyer*

After a cardiovascular illness, an aviation license becomes invalid until the pilot obtains a special issuance medical certificate from the US Federal Aviation Agency (FAA) affirming successful medical treatment and rehabilitation. ...
An Observational Study to Assess Outcome of NSTEMI Patients with Raised Serum Uric Acid Level in a Tertiary Care Hospital of Bangladesh

Published On: May 26, 2020 | Pages: 157 - 162

Author(s): Chakma PJ, Barua M*, Kuryshi SA, Barua B and Roy MS

Background: Non-ST Segment Elevation Myocardial Infarction (NSTEMI) is the commonest form of ACS and a leading global cause of premature morbidity and mortality. Evidences link serum uric acid with short and long-term major adverse outcomes (MACE) in patients with NSTEMI. ...

Should we prescribe abstinence or wine once a day with supper in diabetes and prediabetes?

Published On: May 26, 2020 | Pages: 152 - 156

Author(s): Kristian Rett*

The ultimate goal of diabetes management is to minimize complications and maintain quality of life in the context of comprehensive cardiovascular risk management and patient-centered care. ...

Resveratrol and Spirulina: Nutraceuticals that Potentially Improving Cardiovascular Disease

Published On: May 25, 2020 | Pages: 138 - 145

Author(s): Yifan Wang, Maria Fides Ocampo, Bianca Rodriguez and Jiwang Chen*

Resveratrol (3,5,4’-trihydroxy-trans-stilbene) is an extensively studied nutraceutical with several proposed health benefits, including cardio protection, antimitabolic syndrome, and antiatherogenic effects. ...
The Impact of Low Carb-KETO Diets on CAD-Why more Research is needed

Published On: May 12, 2020 | Pages: 110 - 121

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

Coronary Artery Disease (CAD) is the result of multiple factors – many of which are now routinely tested for - which interact with each other and the patient to produce an inflammatory effect within the walls of the coronary arteries, impairing the ability of these arteries to increase coronary blood flow when needed. Fundamental to changes in these multiple factors a ...

Abstract View | Full Article View | DOI: 10.17352/2455-2976.000124

Mesenchymal Stem Cells and Cardiovascular Diseases

Published On: April 29, 2020 | Pages: 088 - 093

Author(s): Ayapati Gautam Mehdi, Vikram Aiman Ayapati, Avinash B, A. A. Khan, Nirmal Kumar Lohiya, Vijay Lakshmi, Dharma Rakshak Ayapati, Roya Rozati*

Stem cell therapy has begun as a promising and novel approach for the treatment of various diseases. Stem cell therapy involves the identification of correct cells, area of transplantation. Transplantation of functional and healthy stem cells help to renewal of damaged cells and repair injured tissue. Stem cell isolated from bone marrow were the first cell type used i ...

Abstract View | Full Article View | DOI: 10.17352/2455-2976.000119

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 measureable value. The introduction of the first measureable test dates back to the late 1890s following its presentation by Willem Einthoven at a Dutch Medical Association Conference in 1893-the electrocardiogram. ...

Abstract View | Full Article View | DOI: 10.17352/2455-2976.000114
Isolated infundibular pulmonary stenosis. A case report

Published On: June 12, 2020 | Pages: 199 - 202

Author(s): K El ouahabi*, N Erraboun, A Bouzerda, M Raissouni, I Asfalou, A Benyass, Z Lakhal, Y Moutakillah, M Ait Houssa and E Zbir

Introduction: Infundibular pulmonary stenosis is one of the numerous pathologic features of the right tract (from the right ventricular outflow tract to the peripheral pulmonary arteries) occurring at the infundibular level. It is usually associated with ventricular septal defect or part of tetralogy of Fallot, but rarely isolated. Methods and results: We report here ...

Perforation of a side branch of coronary artery during coronary angiography: A rare complication

Published On: May 22, 2020 | Pages: 136 - 137

Author(s): Bhupendra Kumar Sihag, Pruthvi CR and Krishna Prasad*

Coronary angiography in current day scenario is a very safe procedure. Complications are very rare occurring in less than 1 % of cases. ...

Isolated Non-Compaction of Right Ventricular Myocardium, A Rare Congenital Anomaly and Role of Echocardiogram: A Case Report

Published On: May 13, 2020 | Pages: 122 - 124

Author(s): Sudeb Mukherjee* and SC Mandal

The ventricular non-compaction or spongy myocardium is a rare congenital cardiomyopathy which is caused by defective morphogenesis of myocardium during embryonic life. It is characterised by excessive, coarse trabeculations within ventricular myocardium beyond papillary muscle insertion which communicates freely with the ventricular cavity. This
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 revolutionized the landscape of Cardiovascular medicine and brought a new spotlig ...
Are ACE inhibitors and ARBs more beneficial than harmful in the treatment of severe COVID-19 disease?

Published On: May 05, 2020 | Pages: 101 - 103

Author(s): Christian A Devaux*

After starting in China four months ago, the COVID-19 pandemic now affects most countries and has already caused more than 200,000 deaths by April 26, 2020. Under chest computerized tomography scans, the majority of severe COVID-19 patients show bilateral ground glass-like opacities and subsegmental areas of consolidation indicative of pneumonia. If in its severe form ...

The COVID-19 pandemic is one of the components of the multicomponent pandemic of the 21st century

Published On: May 28, 2020 | Pages: 163 - 166

Author(s): GM Bushmanova* and MV Supotnitsky

Let us try to look at the “new” problem by the example of two “linked” pandemics, which are prepared for the possibility of coexistence in the 21st century. ...