

In this issue

Research Article

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## [Descending thoracic aorta to bifemoral bypass grafting in Aortobiliac occlusive disease](#)

Published On: September 12, 2020 | Pages: 277 - 280

Author(s): Suraj Wasudeo Nagre\*

Introduction: The aim of this prospective study is to describe the clinical symptoms, investigation findings and surgical treatment of aortoiliac occlusive disease where abdominal approach not feasible or not possible for aortobifemoral bypass grafting. Method: From May 2013 to May 2019, ten patients were treated with descending thoracic aorto-bifemoral bypass for ao ...

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## [Relation of hs-CRP and Glycogen phosphorylase BB in Acute Myocardial Infarction Patients](#)

Published On: August 31, 2020 | Pages: 272 - 275

Author(s): Neelima singh, Chanchal Garg\*, Puneet Rastogi, Rakesh Shah, Vedika Rathore, Roshan Kumar Mahat and Purna Vyas Gokhle

Background: Inflammation has important role in the pathophysiology of atherosclerosis and acute myocardial infarction and hs-CRP is an inflammatory marker. GPBB is a marker of myocardial necrosis or myocardial ischemia i.e. the initial phase of AMI. The aim of this study was to know the levels of GPB and the relation between hs-CRP and GPBB in AMI patients. Materials ...

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## [Prevalence of valvar regurgitation in Nigerian children with structurally normal](#)

## [hearts using colour doppler echocardiography](#)

Published On: August 22, 2020 | Pages: 262 - 267

Author(s): Chika O Duru\*, Josephat M Chinawa, Igoche D Peter, Ibrahim Aliyu, Mustafa O Asani and Fidelia Bode-Thomas

Background: Doppler echocardiography is a reliable and non-invasive method of detecting valvar regurgitation. The aim of this study was to determine the prevalence of valvar regurgitation in children with structurally normal hearts and explore its relationship with age, gender and anthropometry. Methods: This was a descriptive cross-sectional study conducted in four ...

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DOI: [10.17352/2455-2976.000149](https://doi.org/10.17352/2455-2976.000149)

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## [Ultrathin polyethyleneimine \(PEI\) films for culturing of the human mesenchymal stromal cells \(hMSCs\)](#)

Published On: August 18, 2020 | Pages: 255 - 261

Author(s): Liudmila M Mezhevikina\*, Dmitriy A Reshetnikov, Maria G Fomkina and Evgeniy E Fesenko

A polymer polyethyleneimine (PEI) can be used in various cell technologies, including the nonviral transfection of animal and human eukaryotic cells. We used the polymer (in the 1 mg/ml concentration) to produce the ultrathin films at the culture plastic that could enhance the adhesive properties of the human mesenchymal stromal cells (hMSCs) isolated from the heterog ...

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DOI: [10.17352/2455-2976.000148](https://doi.org/10.17352/2455-2976.000148)

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## [New evidence about personality traits and risk of new complications in patients with coronary artery disease. A study by a hypnotic-derived personality classification](#)

Published On: August 14, 2020 | Pages: 249 - 254

Author(s): Baglini Roberto\*, Baglini Leonardo and Benemeglio Stefano

Five-hundred outpatients with established coronary artery disease underwent to the “analogic personality test” aiming to discriminate the bipolar subpopulation accordingly to the indication of Analogical Disciplines Italian School. Hundred-thirteen bipolar patients (Group 1) were identified and compared to the remaining three hundred-eighty seven patients during a two ...

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## **Primary chronic septic endocarditis as an alternative to acute rheumatic fever - the obligate component of the multicomponent noncyclic pandemic of the 21st Century**

Published On: August 12, 2020 | Pages: 242 - 248

Author(s): GM Bushmanova\*, MV Supotnitskiy and BV Churin

The concepts of acute rheumatic fever [1-3] and septic endocarditis (according to the International Classification of Diseases, is called infectious endocarditis. Septic endocarditis is the principal author's standpoint) - diseases that are still considered the main causes of acquired heart defects in Russia, have been under discussion for many years. The main questio ...

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## **Cardiovascular risk factors and clinical pattern in young Nepalese population with acute coronary syndrome presenting to a tertiary care center of Nepal**

Published On: August 07, 2020 | Pages: 235 - 241

Author(s): Ravi Sahi\*, Rajesh Shah, Ratna Mani Gajurel, Raja Ram Khanal, Chandra Mani Poudel, Surya Pathak and Vijay Yadav

Background and objectives: Cardiovascular disease is a major health problem reaching epidemic proportions. Although Acute Coronary Syndrome (ACS) is an uncommon entity in the young, it constitutes a rising burden in the socioeconomic status of the country because of its impact on the economically productive age group. Early identification and control of the cardiovasc ...

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## [A case of anomalous aortic origin of coronary arteries from the opposite sinus](#)

Published On: August 06, 2020 | Pages: 232 - 234

Author(s): Alessandra Tanzilli, Simone Griffo, Alessandra De Luca Vincenzo Capasso, Vincenzo Rossi, Marco Di Palma, Simone Calcagno\*, Francesco Panno, Riccardo Di Pietro, Pino Aisle and Francesco Versaci

Anomalous origin of the left coronary artery from the right sinus is a relatively uncommon finding, with a reported prevalence of 0.02%-0.05% on angiographic studies [1]. Nevertheless, it is a leading cause of Sudden Cardiac Death (SCD) in young athletes and its clinic manifestations are strictly related to strenuous exertion. It is thought that the main mechanism of ...

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## [Biological treatment of a brominated micropollutant -hexabromocyclododecane \(-HBCDD\) from a raw hospital wastewater](#)

Published On: August 01, 2020 | Pages: 226 - 231

Author(s): Delia Teresa Sponzax\* and Gökçe Güney

The brominated micropollutants were not removed with conventional biological treatment processes. In this study it was aimed to treat the -HBCDD which is a hydrophobic organic substance using a sequential treatment process consisting from an upflow anaerobic batch reactor (UASB) and a completely stirred tank reactor (CSTR) since -HBCDD is a hydrophobic brominated mi ...

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## [Serum from patients with chest pain and significant atherosclerosis resulted in macrophage cholesterol accumulation](#)

Published On: July 14, 2020 | Pages: 221 - 225

Author(s): Marwan Dawood\*, Nina Volkova, Dima Namouz, Michael Aviram and Tony Hayek

Aims: The aim of our study was to analyze the effect of serum derived from patients with chest pain, with or without significant atherosclerosis, on J774A.1 macrophages cholesterol metabolism. Methods: Thirty-nine patients with chest pain underwent CT Coronary Angiography (CTCA) to assess atherosclerosis. They were divided into three groups (n=13 for each group), acc ...

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## [Comparison between left and right radial access for coronary angiography](#)

Published On: July 06, 2020 | Pages: 213 - 219

Author(s): Cázares-Díazleal AC\*, Dorantes-García J, Kiamco-Castillo R, Payro-Ramirez G, Betuel-Ivey J, Lozano-Sabido E and Arce-González J

In the 1980s, Campeu and Kiemeneij introduced the radial approach for angiography and angioplasty, respectively, in 2017 Kiemeneij described the site of radial distal access to the snuffbox, as the viability and safety of the left approach, either conventional or distal, remains a concern and there are no studies evaluating comfort yet. We randomly assigned 55 patie ...

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### Review Article

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## [Atherosclerosis and lymph // risk factors](#)

Published On: September 26, 2020 | Pages: 281 - 287

Author(s): Božidar Kocmur\*

Is there a disease in the human population that has been present since the beginning of the human race, and which has not yet discovered its cause or mechanism of origin? Unfortunately, there is atherosclerosis, a disease that causes the greatest number of unnatural deaths in the world. Atherosclerosis is not the primary disease, as much as the entire life-long degene ...

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## [Use of heart rate variability in biomedical training control](#)

Published On: July 03, 2020 | Pages: 208 - 212

Author(s): Jaime Gallo-Villegas\*

Physical training generates physiological changes throughout the body in order to improve physical performance. Nevertheless, the response to physical training is heterogeneous due to factors related to training and recovery, and individual and contextual factors. Heart Rate Variability (HRV) is an indicator of the sympathetic-vagal balance that has been used for an e ...

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## [Angiotensin converting enzyme inhibitors and angiotensin receptor blockers in an outbreak of SARS-CoV-2](#)

Published On: July 02, 2020 | Pages: 203 - 206

Author(s): Didar Yanardag Acik\*

In COVID-19, hypertension, diabetes mellitus, coronary artery disease, and immunosuppression are comorbid conditions most often associated with poor prognosis. ...

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**Case Report**

## [Rare complication of lateral abdominal wall hematoma after coronary angioplasty](#)

Published On: August 29, 2020 | Pages: 268 - 271

Author(s): Ramesh Natarajan\*

Abdominal wall hematoma is a rare but potentially serious complication that may develop after percutaneous coronary interventional procedures. In particular, an oblique muscle hematoma caused by injury to the superficial circumflex iliac branch of the femoral artery is very rare. Most of these cases can be managed by conservative measures including hydration and blood ...

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### Clinical Image

## [Giant calcified left coronary artery aneurysm](#)

Published On: July 14, 2020 | Pages: 220 - 220

Author(s): Samuël Jenard\* and Badih El Nakadi

Case of 54 years old woman admitted to the ER for thoracic pain. The medical history of the patient is hypertension, dyslipidemia, angioedema (kiwi allergy), nephropathy (indeterminate), iatrogenic hepatitis and pulmonary nodule known from 20 years. Passive smoking and no alcohol. The family history revealed an hypertension in her father's side. ...

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