Numerical Analysis of Arterial Plaque Thickness and its Impact on Artery Wall Compliance

Published On: December 12, 2015 | Pages: 026 - 034

Author(s): LJ Vallez, B Sun, BD Plourde, JP Abraham* and CS Staniloae

A numerical analysis was completed on the influence of plaque on the compliance of an artery wall. The analysis allowed a systematic variation of the transluminal pressure difference and plaque thickness. Included in the analysis was a sheath of surrounding tissue that provides support during the cyclical deformation. The analysis incorporated progressively thicker la ...
Multiple Giant Coronary Arterial Aneurysms Leading to Stable Angina

Published On: October 12, 2015 | Pages: 020 - 020

Author(s): Bahadir Sarli*, Eyup Ozkan, Melih Demirbas and Ahmet O Baktir

Coronary artery aneurysm (CAA) is defined as abnormal dilatation of a coronary artery luminal diameter to 1.5 to 2 times wider than the adjacent normal segment. Giant coronary artery aneurysms are rare, with a reported prevalence of 0.02% to 0.2% [1]. Most of the giant coronary artery aneurysms are asymptomatic, but some patients present with angina pectoris, sudden d ...

Abstract View  Full Article View  DOI: 10.17352/2455-2976.000017

Double Valve Infective Endocarditis Presenting with Acute Ischemic Stroke

Published On: September 14, 2015 | Pages: 018 - 019

Author(s): Mehmet Ugurlu Bahadir Sarli*, Ahmet Oguz Baktir and Fazilet Sag Erturk

Infective endocarditis is a potentially fatal infectious disease which usually presents with various clinic scenarios. Although the disease generally presents itself with fever, cardiac murmur (bruit), splenomegaly and anemia; in this case we report a double valve endocarditis of a 23 years-old female patient who was admitted to our neurology clinic with acute ischemi ...

Abstract View  Full Article View  DOI: 10.17352/2455-2976.000016
Mitral Valve Obstruction and Pulmonary Hypertension Caused by a Giant Left Atrial Myxoma Prolapsing in the Left Ventricle

Published On: August 17, 2015 | Pages: 016 - 017

Author(s): Musuraca Gerardo*, Agostoni Pierfrancesco, Boldi Emiliano, Terraneo Clotilde, Imperadore Ferdinando and Del Greco Maurizio

Atrial myxomas are the most common primary cardiac tumors to diagnose. They are benign and have variable presentation. They have an excellent prognosis following surgical excision. We report a case of a 60 year old female who presented with initial signs of both right and left heart failure, fever and cough. Auscultation of the heart revealed an apical mid diastolic m ...