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

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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

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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 ...

Double Valve Infective Endocarditis Presenting with Acute Ischemic Stroke

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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 ...
Mitral Valve Obstruction and Pulmonary Hypertension Caused by a Giant Left Atrial Myxoma Prolapsing in the Left Ventricle

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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 ...