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In this issue

Research Article

Open Access Research Article PTZAID:AC-1-102

Evaluation of Some Cardiac Functions among Children with Vitamin D Deficiency Rickets

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Author(s): Kotb A Metwalley, Duaa M Raafat* and Asmaa F Hassan

Vitamin D deficiency rickets (VDDR) is commonly recognised disease in Egypt. The most striking biochemical finding in this illness is hypocalcaemia which may affect ventricular contraction. ...

Abstract View Full Article View DOI: 10.17352/ac.000002

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Biomechanical Bases of Forecasting Occurrence of Carotid Atherosclerosis

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Author(s): Kuzyk Yu.I.*, Ivanov D.V. and Dol A.V.

The purpose of this study was to investigate changes of the effective and shear stresses level on the surface of atherosclerotic plaques in comparison with the healthy vessel wall, as well as distribution of the hemodynamic forces. Two software modules were used: ANSYS CFX for simulating blood flow, and Structural (Mechanical) for simulating the stress-strain state of ...

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