2019 | Volume Volume - 3 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:AC-3-112

Coupled blood pressure dynamics in magisterial and small arteries networks and its stabilizing effect on heart functioning within the framework of computer model

Published On: February 22, 2018 | Pages: 004 - 007

Author(s): Alexander Shmid, Novopashin MA and Andrey Berezin*

Computer model coupled blood pressure dynamics in magisterial and small arteries networks and its stabilizing effect on heart functioning has been suggested. The Fermi-Pasta-Ulam auto recurrence in the description of the electrical activity of the heart has demonstrated the universal role of the FPU recurrence in the study of distributed dynamical systems. The heart e ...

Abstract View Full Article View DOI: 10.17352/ac.000012

Open Access Research Article PTZAID:AC-3-111

Blood Cell Concentration Oscillations in Healthy and Tumors Affected Organisms

Published On: February 05, 2018 | Pages: 001 - 003

Author(s): Berezin AA* and Shmid AV

Daily oscillations in the concentrations of segmented neutrophils and lymphocytes in mice and humans (both healthy and affected by acute and genetically inherited leukemia, solid tumors and some infl ammatory diseases) were studied. The analysis showed the breakage of phase synchronization of daily oscillations only in all cases of tumor diseases whereas is in case ...

Abstract View Full Article View DOI: 10.17352/ac.000011

Opinion

Open Access Opinion PTZAID:AC-3-113

Rational prediction of pharmacological treatment options for a novel KCNH2-

linked variant of the Short QT Syndrome

Published On: March 10, 2018 | Pages: 008 - 009

Author(s): Jules C Hancox* and A Graham Stuart

Congenital disorders of cardiac repolarization are associated with risk of serious arrhythmias and sudden death. The Long QT Syndrome (LQTS) is well-established to predispose towards torsades de pointes [1]. ...

Abstract View | Full Article View | DOI: 10.17352/ac.000113