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In this issue

Research Article

Open Access Research Article PTZAID:GJCT-8-147

The effects of thymoquinone and cytozine arabinoside on apoptosis and cell proliferation in acute myeloide leukemia

Published On: October 11, 2022 | Pages: 040 - 045

Author(s): Asl Altun, Nurten Kara, engül Tural*, Alian Yldran and Leman Tomak

Purpose: The aim of this study was to investigate the effects of a chemotherapeutic agent Cytosine Arabinoside (Ara-C) and a natural anticancer agent of Thymoquinone (TQ) on apoptosis and cell proliferation of AML cell lines (Kasumi-6) both alone and in combined form. Material and method: Kasumi-6 AML cells were treated with three different doses of Ara-C (0.1, 0.5 a ...

Abstract View Full Article View DOI: 10.17352/2581-5407.000047

Open Access Research Article PTZAID:GJCT-8-146

A first comprehensive look at the order-disorder nature of RTK KIT native and carcinogenic targets

Published On: October 07, 2022 | Pages: 036 - 039

Author(s): Luba Tchertanov* and Julie Ledoux

Receptors Tyrosine Kinases (RTKs) act as sensors for extracellular ligands, the binding of which triggers dimerization, activation, and autophosphorylation of specific tyrosine (Y) residues in the Cytoplasmic Domain (CD). This leads to the recruitment and activation of multiple downstream signaling proteins, which regulate various aspects of cellular physiology. ...

Abstract View Full Article View DOI: 10.17352/2581-5407.000046

Review Article

Open Access Review Article PTZAID:GJCT-8-144

Clinical trials cannot provide sufficient accuracy for studying weak factors necessary for curing chronic diseases

Published On: March 23, 2022 | Pages: 021 - 033

Author(s): Jianqing Wu* and Ping Zha

Chronic diseases are still known as incurable diseases, and we suspect that the medical research model is unfit for characterizing chronic diseases. In this study, we examined accuracy and reliability required for characterizing chronic diseases, reviewed implied presumptions in clinical trials and assumptions used in statistical analysis, examined sources of variance ...

Abstract View | Full Article View | DOI: 10.17352/2581-5407.000044

Open Access Review Article PTZAID:GJCT-8-143

Surgery, Chemotherapy and Radiotherapy May Promote Cancer Growth Speeds and Shorten Patient Lives

Published On: March 19, 2022 | Pages: 001 - 020

Author(s): Jianqing Wu* and Ping Zha

Medicine fails to find predictable cures for cancer in more than a century, and we explored the feasibility of controlling cancer growth speed by using lifestyle factors. After conducting an extensive literature review, we conducted simulations for cancer growth courses to see the feasibility of controlling cancer growth speeds. We found that (1) medical treatments a ...

Abstract View | Full Article View | DOI: 10.17352/2581-5407.000043

Short Communication

Open Access Short Communication PTZAID:GJCT-8-145

Photodynamic therapy in a pleural cavity using monte carlo simulations with 2D/3D Graphical Visualization

Published On: September 29, 2022 | Pages: 034 - 035

Author(s): Beeson K, Parilov E, Mary Potasek*, Zhu T, Sun H and Sourvanos D

Cancer therapy using Photodynamic Therapy (PDT) has been investigated for some time [1,2] and now it is a growing

area of interest in clinical trials [3]. Monte Carlo (MC) simulations were used for early laboratory studies [4,5] for analysis in PDT. Various improvements in the MC method have advanced the field in recent years. ...

Abstract View Full Article View DOI: 10.17352/2581-5407.000045

Mini Review

Open Access Mini Review PTZAID:GJCT-8-149

New modalities of surgery for renal tumors in children: A Mini-Review

Published On: November 29, 2022 | Pages: 051 - 052

Author(s): Jan Godzinski*

Nephroblastoma is one of the most frequent solid tumors in childhood. It is also a classical example of success in oncology achieved by consequent and randomized studies run since mid-XX until now. As systemic treatment is constantly very effective and has not changed markedly since the last 30 years, the development of precise imaging and surgical technique allowed f ...

Abstract View Full Article View DOI: 10.17352/2581-5407.000049

Clinical Techniques

Open Access Clinical Techniques PTZAID:GJCT-8-148

Investigation of the effectiveness of ECOLAB ’Drape ArmourTM’ Radiation Protection in limiting eye-lens doses of healthcare personnel exposed to ionizing radiation during gastroenterology - interventional radiology procedures

Published On: October 20, 2022 | Pages: 046 - 050

Author(s): Fulvio IM Fucilli*, Giuseppe Di Giovanni, Alessandro Mastrorocco, Matteo Ninni, Piero Loprete, Isa De Crudis, Massimiliano Marano, Antonio Santomauro and Fabio Fucilli

Objectives: To investigate the efficiency of the ECOLAB “Drape ArmourTM” device in limiting the eye-lens doses absorbed by healthcare personnel exposed to ionizing radiation, in a four-month trial during gastroenterology interventional radiology procedures. Methods: Eyelens doses measured with eye-lens dosimeters calibrated in terms of equivalent dose at 3 mm depth ...

Abstract View Full Article View DOI: 10.17352/2581-5407.000048