

Table of Contents

Volume 5 Number 1

February 2016

Radiation Induced Bystander Effect: From *in Vitro* Studies to Clinical Application

M. Widel.....1

Comparative Study between Field-in-Field and IMRT Techniques in Prostate Cancer Radiotherapy: A Treatment Planning Study

T. Dawod, S. I. Hammoury.....18

Small Volume Ionization Chambers Angular Dependence and Its Influence on Point-Dose Measurements

J. Feldman, I. Orion.....26

The Hematopoietic and Immunomodulatory Effect of rhIL-12 for Liver Cancer

X. J. Gong, N. Guo, L. Q. Wan, X. F. Jia, Y. S. Wang.....33

Investigation and Application of High Megavoltage X-Ray Imaging Mode in Radiotherapy

Q. S. Zhang, X. W. Wang, Q. Y. Sun, Y. H. Jin, Y. Li, Z. Y. Li, T. Sun, L. Wang.....42

Commissioning of TrueBeamTM Medical Linear Accelerator: Quantitative and Qualitative Dosimetric Analysis and Comparison of Flattening Filter (FF) and Flattening Filter Free (FFF) Beam

R. Shende, G. Gupta, G. Patel, S. Kumar.....51

Dataset for Beam Commissioning of the Vero4DRT System

H. Miura, S. Ozawa, S. Tsuda, M. Hayata, K. Yamada, Y. Nagata.....70

Lung SBRT through Radiobiology

A. M. Gloi.....78

Automatic Anomaly Detection of Respiratory Motion Based on Singular Spectrum Analysis

J. Kotoku, S. Kumagai, R. Uemura, S. Nakabayashi, T. Kobayashi.....88

Evaluation of Magnetic Resonance Imaging Findings and Short-Term Outcome in Brain Metastatic Tumors after CyberKnife Treatment

J. S. Hu, H. Z. Tian, N. Guo, D. Wang, J. F. Sun.....96

Effect of Cut-Off Frequency of Butterworth Filter on Detectability and Contrast of Hot and Cold Regions in Tc-99m SPECT

I. S. Sayed, N. S. M. Nasrudin.....100

**The Existence of Symptomatic Localized Lesion(s) and ≤ 4 Lesions Are Indications for Radiotherapy: Screening Computed Tomography Images of Patients with Metastatic/Recurrent/Inoperable Cancer in a Single Japanese Institution
Observational Study**

S. Yamaguchi, Y. Matsuki, S. Yotsumoto, H. Satou, M. Watanabe, S. Yotsumoto.....110