

Table of Contents

Volume 6 Number 4
November 2017
Method for Converting Cone-Beam CT Values into Hounsfield Units for Radiation Treatment Planning

T. Abe, K. Tateoka, Y. Saito, T. Nakazawa, M. Yano, K. Nakata, M. Someya, M. Hori, K. Sakata.....361

Erratum to “Novel Wavelet-Based Segmentation of Prostate CBCT Images with Implanted Calypso Transponders” [International Journal of Medical Physics, Clinical Engineering and Radiation Oncology 6 (2017) 336-343]

Y. X. Liu, Z. Saleh, Y. L. Song, M. Chan, X. Li, C. Y. Shi, X. Qian, X. L. Tang.....376

X-Ray Induced Mutation Frequency at the *Hypoxanthine Phosphoribosyltransferase* Locus in Clinically Relevant Radioresistant Cells

Y. Kuwahara, M. H. Roudkenar, Y. Urushihara, Y. Saito, K. Tomita, A. M. Roushandeh, T. Sato, A. Kurimasa
M. Fukumoto.....377

A Technical Note: Inter-Observer and Inter-Modality Variability of Cone-Beam Computed Tomography (CBCT) and Ultrasound (US) in Stereotactic Body Radiotherapy for Kidney Cancer

R. W. K. Leung, M. Y. P. Wong, V. W. Y. Lee, S. K. T. Cheung, A. K. L. Wong, H. S. L. Luk, F. K. L. Ng,
G. M. L. Law, F. K. H. Lee, W. H. Mui, D. Y. K. Ngar.....392

Assessment of a Database Management System in a Mammogram Unit of a Radiologic Department in Fann Teaching Hospital (Senegal)

M. Gueye, A. S. Badiane, S. Ba Diop, M. Ly, M. D. Ndiaye Gueye, A. Dione Diop, A. Ndoye Diop, M. Fall.....401

Investigation of Well-Balanced kV X-Ray Imaging Conditions between Skin Dose and Image Noise for Dynamic Tumor Tracking Irradiation

T. Nakai, A. Sawada, H. Tanabe, M. Sueoka, S. Taniuchi, K. Takayama, T. Shiinoki, Y. Ishihara, M. Kokubo.....410

Dose Comparison between Eclipse Dose Calculation and Fast Dose Calculator in Single- and Multi-Field Optimization Intensity-Modulated Proton Therapy Plans with Various Multi-Beams for Brain Cancer

R., Kohno, W. H. Cao, P. Yepes, X. M. Bai, F. Poenisch, D. R. Grosshans, T. Akimoto, R. Mohan.....421

The Impact of Small Field’s Off-Set on Output Factor in Intensity Modulated Radiation Treatment

H. Ozdemir, N. Tuncel, A. U. Kizildag.....433

Inter-Fraction and Intra-Fraction Variation in the Absorbed-Dose Delivery during Interstitial High Dose Rate Brachytherapy—A Study Using MicroMOSFET *In-Vivo* Dosimeter

S. Ramapandian, V. Nagarajan, A. Mukherji, P. Vedasoundaram, K. S. Reddy, V. Singhavajala,
V. Neelakandan.....445

A Post-Mastectomy Radiation Therapy Dose Distribution Study

X. Qian, K. Vaidya, L. Puckett, F. Diaz, X. L. Tang, L. Lee, E. Klein.....457