

Table of Contents

Volume 3 Number 3

August 2014

DICOM-RT Plan Complexity Verification for Volumetric Modulated Arc Therapy H. Miura, M. Tanooka, H. Inoue, M. Fujiwara, K. Kosaka, H. Doi, Y. Takada, S. Odawara, N. Kamikonya, S. Hirota.....	117
Quality Assurance for Respiratory-Gated Radiotherapy Using the Real-Time Tumor-Tracking Radiotherapy System T. Shiinoki, S. Kawamura, T. Uehara, Y. Yuasa, T. Kamomae, T. Kotakebayashi, M. Koike, R. Kanzaki, S. C. Park, H. Hanazawa, S. Takahashi, K. Shibuya.....	125
Carbon-Ion Beams Efficiently Induce Cell Killing in X-Ray Resistant Human Squamous Tongue Cancer Cells A. Takahashi, H. Y. Ma, A. Nakagawa, Y. Yoshida, T. Kanai, T. Ohno, Y. Kuwahara, M. Fukumoto, T. Nakano.....	133
Will High Dose Rate Interstitial Brachytherapy Be a Surrogate to Surgery in Early Mobile Squamous Cell Carcinoma of Tongue—An Indian Experience P. Vedasoundaram, K. S. Reddy, G. Selvarajan, S. Kandasamy, M. Sinnathambi, M. Asif, V. Singhavajhala.....	143
Principal Component Analysis of EBT2 Radiochromic Film for Multichannel Film Dosimetry R. E. Wendt III.....	156
The Use of Left Ventricular Myocardial Stiffness Index as a Predictor of Myocardial Performance in Patients with Systemic Hypertension M. F. Hussein, A. H. Al-Mashhadani, S. I. Essa.....	167
Dose Reduction to the Scalp with Hippocampal Sparing Is Achievable with Intensity Modulated Radiotherapy M. Witek, Y. Vahknenko, J. Siglin, A. Harrison, Y. Xiao, H. Lui, D. Andrews, W. Y. Shi.....	176
Stereotactic Radiotherapy Planning Using Modified Dynamic Conformal Arcs under Considering the Possibility for Amended Visual Organ Displacement Resulting from Early Tumor Shrinkage during Treatment for Periopic Involvement of Myeloma K. Ohtakara, H. Hoshi.....	183