

Table of Contents

Volume 4 Number 4

November 2015

Membrane Separator Interface for Mass-Spectrometric Analysis of Desflurane, Propofol and Fentanyl in Plasma and Cerebrospinal Fluid	
V. Yu. Cherebillo, V. N. Sokolov, V. A. Elokhin, V. I. Nikolaev, A. V. Polegaev, A. Yu. Elizarov.....	263
Thermal Equilibration in the Cavity Volume of a Farmer Ion Chamber for Routine Dosimetry	
Y. Kato, H. Fuse, K. Shinoda, K. Miyamoto, T. Fujisaki.....	268
The Measurement Accuracy of Ball Bearing Center in Portal Images Using an Intensity-Weighted Centroid Method	
M. T. Zhang, J. Driewer, Y. C. Zhang, S. M. Zhou, X. F. Zhu.....	273
Beam Characteristics at Low Dose Monitor Unit Settings for Vero4DRT	
H. Miura, S. Ozawa, S. Tsuda, M. Hayata, K. Yamada, Y. Nagata.....	284
Visual Analysis of the Daily QA Results of Photon and Electron Beams of a Trilogy Linac over a Five-Year Period	
M. F. Chan, Q. Li, X. Tang, X. Li, J. Li, G. Tang, M. A. Hunt, J. O. Deasy.....	290
Comparative Study of Experimental Enhancement in Free Radical Generation against Monte Carlo Modeled Enhancement in Radiation Dose Deposition Due to the Presence of High Z Materials during Irradiation of Aqueous Media	
N. Paudel, D. Shvydka, E. I. Parsai.....	300
Comparative Dosimetric Study for Treating Left Sided Breast Cancer Using Three Different Radiotherapy Techniques: Tangential Wedged Fields, Forward Planned Segmented Filed, and IP-IMRT	
S. Elzawawy, S. I. Hammoury.....	308
Position Verification of the RADPOS 4-D <i>In-Vivo</i> Dosimetry System	
R. Kohno, H. Yamaguchi, K. Motegi, F. Tanaka, T. Akita, Y. Nagata, K. Hotta, T. Miyagishi, S. Nishioka, T. Dohmae, T. Akimoto.....	318
Gamma-Index Passing Rates in Baseline Plans Measured with a Detector Array	
S. Szpala, K. Kohli.....	326
Impact of Olaparib for Maintenance Monotherapy on Survival in Breast and Ovarian Cancer: A Systematic Review and Pooled Analysis of Published Trials	
J. Dong, T. Zhang, B. X. Wen.....	338

Comparative Study on the Surface Dose of Some Bolus Materials

I. Malaescu, C. N. Marin, M. Spunei.....348

A Dosimetric Comparison of Double Arc Volumetric Modulated Arc Therapy with Large Field Intensity Modulated Radiation Therapy for Head and Neck Cancer

J. Krishnan, S. Rao, S. Hegde, J. Shetty, Shambhavi.....353