Accepted Manuscript

Spatial Precision in Magnetic Resonance Imaging-Guided Radiotherapy: The Role of Geometric Distortion

Joseph Weygand, BA, Clifton David Fuller, MD, PhD, Geoffrey S. Ibbott, PhD, Abdallah S.R. Mohamed, MD, Yao Ding, PhD, Jinzhong Yang, PhD, Ken-Pin Hwang, PhD, Jihong Wang, PhD

PII: S0360-3016(16)00228-5

DOI: 10.1016/j.ijrobp.2016.02.059

Reference: ROB 23482

To appear in: International Journal of Radiation Oncology • Biology • Physics

Received Date: 4 November 2015
Revised Date: 5 February 2016
Accepted Date: 25 February 2016

Please cite this article as: Weygand J, Fuller CD, Ibbott GS, Mohamed ASR, Ding Y, Yang J, Hwang K-P, Wang J, Spatial Precision in Magnetic Resonance Imaging-Guided Radiotherapy: The Role of Geometric Distortion, *International Journal of Radiation Oncology • Biology • Physics* (2016), doi: 10.1016/j.ijrobp.2016.02.059.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Spatial Precision in Magnetic Resonance Imaging-Guided Radiotherapy:

The Role of Geometric Distortion

Joseph Weygand, BA^{1,2}

Clifton David Fuller, MD, PhD^{2,3}

Geoffrey S. Ibbott, PhD^{1,2}

Abdallah S.R. Mohamed, MD³

Yao Ding, PhD³

Jinzhong Yang, PhD^{1,2}

Ken-Pin Hwang, PhD⁴

Jihong Wang, PhD^{1,2}

Corresponding author:

Joseph Weygand

1827 Twining Rd

Willow Grove, PA 19090

jw2899@columbia.edu

¹Department of Radiation Physics, The University of Texas MD Anderson Cancer Center

²The University of Texas Graduate School of Biomedical Sciences at Houston

³Department of Radiation Oncology, The University of Texas MD Anderson Cancer Center

⁴Department of Imaging Physics, The University of Texas MD Anderson Cancer Center

Download English Version:

https://daneshyari.com/en/article/8214313

Download Persian Version:

https://daneshyari.com/article/8214313

Daneshyari.com