Accepted Manuscript

Prospective clinical implementation of a novel MR-tracking device for real-time HDR brachytherapy catheter positioning

J. de Arcos, E.J. Schmidt, W. Wang, J. Tokuda, K. Vij, R.T. Seethamraju, A.L. Damato, C.L. Dumoulin, R.A. Cormack, A.N. Viswanathan

PII: S0360-3016(17)31005-2

DOI: 10.1016/j.ijrobp.2017.05.054

Reference: ROB 24295

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

Received Date: 8 February 2017

Revised Date: 5 May 2017 Accepted Date: 31 May 2017

Please cite this article as: de Arcos J, Schmidt E, Wang W, Tokuda J, Vij K, Seethamraju R, Damato A, Dumoulin C, Cormack R, Viswanathan A, Prospective clinical implementation of a novel MR-tracking device for real-time HDR brachytherapy catheter positioning, *International Journal of Radiation Oncology* • *Biology* • *Physics* (2017), doi: 10.1016/j.ijrobp.2017.05.054.

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

Prospective clinical implementation of a novel MR-tracking device for real-time HDR brachytherapy catheter positioning

de Arcos J^1 , Schmidt EJ^1 , Wang W^1 , Tokuda J^1 , Vij K^2 , Seethamraju RT^3 , Damato AL^4 , Dumoulin CL^5 , Cormack RA^4 , and Viswanathan $AN^{4,6}$

¹Radiology and ⁴Radiation Oncology, Brigham and Women's Hospital, Boston, MA

²MRI Interventions Inc., Irvine, CA

³Siemens Healthcare, Boston, MA

⁵Radiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
 ⁶Current address: Department of Radiation Oncology and Molecular Radiation Sciences, Johns Hopkins Medicine, Baltimore, MD

Short title: MR-tracking device for clinical HDR Brachytherapy positioning

Corresponding author: Jose de Arcos, PhD

Department of Radiology, Brigham and Women's Hospital

Room BRB 34L, 221 Longwood Avenue, Boston, MA 02115

Telephone: (617) 525-6604

E-mail: jdearcos@bwh.harvard.edu

Conflict of interest: Kamal Vij is an employee of MRI Interventions Inc. Ravi Seethamraju is an employee of Siemens Healthcare. Ehud Schmidt receives research support from Siemens Healthcare.

Download English Version:

https://daneshyari.com/en/article/8211798

Download Persian Version:

https://daneshyari.com/article/8211798

<u>Daneshyari.com</u>