PUBBLICAZIONI HS AMICA

HS AMICA PUBLICATIONS

TECHNICAL PUBLICATIONS AND REVIEWS

1) I. Longo, G. Biffi Gentili, M. Cerretelli and N. Tosoratti, "A Coaxial Antenna With Miniaturized Choke for Minimally Invasive Interstitial Heating", IEEE Trans. Biomed. Eng., Vol. 50, n°1, Jan 2003, pp.82-88

2) M. Cavagnaro, C. Amabile, P. Bernardi, S. Pisa e N. Tosoratti, "Design and Realization of a New Type of Interstitial Antenna for Ablation Therapies", Proceedings of the 39th European Microwave Conference, 29th September – 1st October 2009, pp.878-881

3) R. Lencioni, D. Cioni, C. Della Pina, L. Crocetti, "Hepatocellular carcinoma: new options for image-guided ablation", J Hepatobiliary Pancreat Sci., Vol.17 n°4, July 2010, pp. 399-404

4) C. Brace, "Microwave Tumor Ablation: Mechanism of Action, Clinical Results, and Devices", J Vasc Interv Radiol; 21:S192–S203, August 2010

5) M. Cavagnaro, C. Amabile, P. Bernardi, S. Pisa and N. Tosoratti, "A minimally invasive antenna for microwave ablation therapies: design, performances, and experimental assessment", IEEE Trans. Biomed. Eng., Vol. 58, n°4, April 2011, pp.949-959

6) V. Lopresto, R. Pinto, G.A. Lovisolo and M. Cavagnaro, "Changes in the dielectric properties of ex vivo bovine liver during microwave thermal ablation at 2.45 GHz", Physics in Medicine and Biology, 2012 Apr 21;57(8):2309-27. doi: 10.1088/0031-9155/57/8/2309. Epub 2012 Mar 30

7) R. Hoffmann, H. Rempp, L. Erhard, G. Blumenstock, P.L. Pereira, C.D. Claussen, S. Clasen; "Comparison of Four Microwave Ablation Devices: An Experimental Study in ex Vivo Bovine Liver", Radiology 2013 Jul; 268(1): 89-97

8) L. Farina, N Weiss, Y Nissenbaum, M Cavagnaro, V Lopresto, R Pinto, N Tosoratti, C Amabile, S Cassarino, SN Goldberg; "Characterisation of tissue shrinkage during microwave thermal ablation", Int J Hyperthermia, 2014 Nov; 30(7): 419-28. doi: 10.3109/02656736.2014.957250. Epub 2014 Oct 17

9) M. Cavagnaro, C Amabile, S Cassarino, N Tosoratti, R Pinto, V Lopresto; "Influence of the target tissue size on the shape of ex vivo microwave ablation zones", Int J Hyperthermia. 2015 31 (1): 48-57

10) C. Amabile, L Farina, V Lopresto, R Pinto, S Cassarino, N Tosoratti, SN Goldberg, M Cavagnaro, "Tissue shrinkage in microwave ablation of liver: an ex vivo predictive model", Int J Hyperthermia. 2017 33 (1): 101-109