Title: Metabolic markers in relation to hypoxia; staining patterns and colocalization of pimonidazole, HIF-1alpha, CAIX, LDH-5, GLUT-1, MCT1 and MCT4

Authors:

Saskia E Rademakers (s.rademakers@rther.umcn.nl)
Jasper Lok (j.lok@rther.umcn.nl)
Albert J van der Kogel (a.vanderkogel@rther.umcn.nl)
Johan Bussink (j.bussink@rther.umcn.nl)
Johannes H Kaanders (j.kaanders@rther.umcn.nl)

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Author's response to reviews: see over
Dear Dr. Norton,

Please find enclosed our research article for “BMC Cancer”, entitled “Metabolic markers in relation to hypoxia; staining patterns and colocalization of pimonidazole, HIF-1α, CAIX, LDH-5, GLUT-1, MCT1 and MCT4“.

Background and significance: Monocarboxylate transporters have recently been discovered to play an important role in the symbiose between hypoxic and well-oxygenated cancer cells, although their exact role is still unclear. In this article we elucidate the spatial association between several important endogenous metabolic tumor markers, including MCT1 and MCT4, and hypoxia as measured by pimonidazole staining. This adds to the understanding of the role of these markers, their interrelationship and the cellular response to tumor hypoxia.

This paper is our original unpublished work and it has not been submitted to any other journal. All authors have agreed with the submission in its present form.

Suggested reviewer:
P. Sonveaux, University of Louvain (UCL) Medical School, pierre.sonveaux@uclouvain.be

If you need any additional information, please feel free to contact me by e-mail, fax or phone.

Sincerely, also on behalf of the co-authors,

Saskia Rademakers, M.D.

Department of Radiation Oncology 874
Radboud University Nijmegen Medical Centre (RUNMC)
P.O. Box 9101
NL-6500 HB Nijmegen
The Netherlands
E-mail: s.rademakers@rther.umcn.nl
Phone: ++31 24 3614515
Fax: ++31 24 3568350