Accepted Manuscript

Title: Micro-Computed Tomography in Murine Models of Cerebral Cavernous Malformations as a Paradigm for Brain Disease

Author: Romuald Girard Hussein A. Zeineddine Courtney Orsbon Huan Tan Thomas Moore Nick Hobson Robert Shenkar Rhonda Lightle Changbin Shi Maged D. Fam Ying Cao Le Shen April I. Neander Autumn Rorrer Carol Gallione Alan T. Tang Mark L. Kahn Douglas A. Marchuk Zhe-Xi Luo Issam A. Awad



PII: S0165-0270(16)30150-9

DOI: http://dx.doi.org/doi:10.1016/j.jneumeth.2016.06.021

Reference: NSM 7556

To appear in: Journal of Neuroscience Methods

Received date: 20-4-2016 Revised date: 20-6-2016 Accepted date: 22-6-2016

Please cite this article as: Girard Romuald, Zeineddine Hussein A, Orsbon Courtney, Tan Huan, Moore Thomas, Hobson Nick, Shenkar Robert, Lightle Rhonda, Shi Changbin, Fam Maged D, Cao Ying, Shen Le, Neander April I, Rorrer Autumn, Gallione Carol, Tang Alan T, Kahn Mark L, Marchuk Douglas A, Luo Zhe-Xi, Awad Issam A.Micro-Computed Tomography in Murine Models of Cerebral Cavernous Malformations as a Paradigm for Brain Disease. *Journal of Neuroscience Methods* http://dx.doi.org/10.1016/j.jneumeth.2016.06.021

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

Micro-Computed Tomography in Murine Models of Cerebral Cavernous Malformations as a Paradigm for Brain Disease

Romuald Girard^{a,*}, Hussein A. Zeineddine^{a,*}, Courtney Orsbon^b, Huan Tan^a, Thomas Moore^a, Nick Hobson^a, Robert Shenkar^a, Rhonda Lightle^a, Changbin Shi^a, Maged D. Fam^a, Ying Cao^a, Le Shen^{a,c}, April I. Neander^b, Autumn Rorrer^d, Carol Gallione^d, Alan T. Tang^e, Mark L. Kahn^e, Douglas A. Marchuk^d, Zhe-Xi Luo^b, Issam A. Awad^{a,†}

^a Neurovascular Surgery Program, Section of Neurosurgery, The University of Chicago Medicine and Biological Sciences, Chicago, IL USA; ^b Department of Organismal Biology and Anatomy, The University of Chicago Medicine and Biological Sciences, Chicago, IL USA; ^c Department of Pathology, The University of Chicago Medicine and Biological Sciences, Chicago, IL USA; ^d Molecular Genetics and Microbiology Department, Duke University Medical Center, Durham, NC USA; ^e Department of Medicine and Cardiovascular Institute, University of Pennsylvania, Philadelphia, PA USA

*RG and HAZ contributed equally to this study

[†]Corresponding author. Section of Neurosurgery, University of Chicago Medicine, 5841 S. Maryland, MC3026/Neurosurgery J341, Chicago, IL 60637 USA; Telephone +1 773-702-2123; Fax +1 773-702-3518; Email: iawad@uchicago.edu

Revision #3 (June 20, 2016)

Download English Version:

https://daneshyari.com/en/article/6267677

Download Persian Version:

https://daneshyari.com/article/6267677

<u>Daneshyari.com</u>