

# Stroke

JOURNAL OF THE AMERICAN HEART ASSOCIATION



**International Survey of Acute Stroke Imaging Capabilities : We Need You!**  
Max Wintermark, Jens Fiehler, Kohsuke Kudo, David S. Liebeskind, Marie Luby, Patrik Michel, Raul Nogueira, Mark Parsons, Makoto Sasaki, Joanna Wardlaw, Ona Wu, Weiwei Zhang, Guangming Zhu and Steven Warach

*Stroke*. published online June 11, 2013;  
*Stroke* is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231  
Copyright © 2013 American Heart Association, Inc. All rights reserved.  
Print ISSN: 0039-2499. Online ISSN: 1524-4628

The online version of this article, along with updated information and services, is located on the World Wide Web at:

<http://stroke.ahajournals.org/content/early/2013/06/11/STROKEAHA.113.001441.citation>

**Permissions:** Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Stroke* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the [Permissions and Rights Question and Answer](#) document.

**Reprints:** Information about reprints can be found online at:  
<http://www.lww.com/reprints>

**Subscriptions:** Information about subscribing to *Stroke* is online at:  
<http://stroke.ahajournals.org/subscriptions/>

## International Survey of Acute Stroke Imaging Capabilities We Need You!

Max Wintermark, MD; Jens Fiehler, MD; Kohsuke Kudo, MD; David S. Liebeskind, MD; Marie Luby, PhD; Patrik Michel, MD; Raul Nogueira, MD; Mark Parsons, MD; Makoto Sasaki, MD; Joanna Wardlaw, MD; Ona Wu, PhD; Weiwei Zhang, MD PhD; Guangming Zhu, MD PhD; Steven Warach, MD PhD; for the Stroke Imaging Research (STIR) and VISTA-Imaging Investigators

Stroke is a global epidemic, and neuroimaging plays a growing role in the clinical management of stroke patients and in advancing stroke research. Neuroimaging is used for the initial evaluation of acute stroke patients before treatment decision, for safety monitoring of stroke patients during the acute phase, and also to assess final infarct volume in these patients. Beyond the identification of patients who may benefit from novel pathways for acute intervention, advanced

imaging techniques can also potentially be used for stroke prevention to assess vulnerable carotid atherosclerotic plaque and identify patients at high risk of stroke. Advanced imaging may also potentially be used to monitor functional changes in the brain recovery process and to tailor physical and neurocognitive therapy after stroke.

Integrating advanced imaging in stroke clinical trials can be challenging, as not all centers are able to perform advanced imaging in stroke patients in the acute setting. Currently, every imaging-based multicenter trial repeats the same process for identifying eligible centers with the required technical capabilities to perform the study before startup. Having a centralized database of center capabilities could streamline the process and ultimately accelerate startup of imaging-based stroke clinical trials.

For this reason, the Stroke Imaging Research (STIR) group, an international consortium of stroke experts with an interest in imaging, is conducting a survey to collect information about the imaging capabilities of centers across the world in the setting of acute stroke. If you are interested in being involved in future imaging-based stroke clinical trials, please respond to the following survey: <https://www.surveymonkey.com/s/DQRDYB2>. Deadline to take the survey is September 31, 2013.

The results of this survey will be published, and the data will be stored so that, in the future, we can contact you if an imaging trial is planned that involves capabilities available at your center. We will contact you in the future for updates to make sure that the data for your site are current.

Thank you for your cooperation!

### Disclosures

None.

KEY WORDS: acute stroke ■ computed tomography ■ imaging ■ magnetic resonance imaging ■ perfusion imaging ■ thrombolysis

---

The opinions expressed in this article are not necessarily those of the editors or of the American Heart Association.

From the Department of Radiology, Neuroradiology, University of Virginia, Charlottesville, VA (M.W.); Department of Radiology, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland (M.W.); University Medical Center Hamburg-Eppendorf, Hamburg, Germany (J.F.); Department of Diagnostic Radiology, Hokkaido University Hospital, Sapporo, Japan (K.K.); UCLA Stroke Center, Los Angeles, CA (D.S.L.); National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, MD (M.L.); Centre Hospitalier Universitaire Vaudois (CHUV) and University of Lausanne, Lausanne, Switzerland (P.M.); Marcus Stroke and Neuroscience Center/Grady Memorial Hospital, Emory University School of Medicine, Atlanta, GA (R.N.); Department of Neurology, John Hunter Hospital, Hunter Medical Research Institute, University of Newcastle, Australia (M.P.); Institute for Biomedical Sciences, Iwate Medical University, Yahaba, Japan (M.S.); Brain Research Imaging Centre, Division of Neuroimaging Sciences, Centre for Clinical Brain Sciences, University of Edinburgh, Edinburgh, United Kingdom (J.W.); Massachusetts General Hospital and Harvard Medical School, Boston, MA (O.W.); Seton/UT Southwestern Clinical Research Institute of Austin, Department of Neurology and Neurotherapeutics, UT Southwestern Medical Center, Austin, TX (S.W.); and Department of Neurology, Military General Hospital of Beijing PLA, Beijing, China (W.Z., G.Z.).

Correspondence to Max Wintermark, MD, Neuroradiology Division, UVA Department of Radiology, Box 800170, Charlottesville, VA 22908. E-mail [Max.Wintermark@gmail.com](mailto:Max.Wintermark@gmail.com)

(*Stroke*. 2013;44:XX-XX.)

© 2013 American Heart Association, Inc.

*Stroke* is available at <http://stroke.ahajournals.org>

DOI: 10.1161/STROKEAHA.113.001441