

Accepted Manuscript

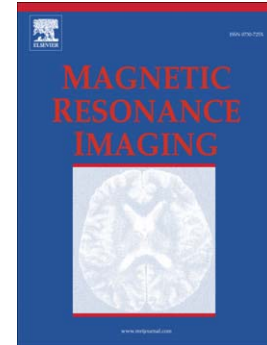
A fast screening protocol for carotid plaques imaging using 3D multi-contrast MRI without contrast agent

Na Zhang, Lei Zhang, Qi Yang, Anqi Pei, Xiaoxin Tong, Yiu-Cho Chung, Xin Liu

PII: S0730-725X(16)30198-9
DOI: doi: [10.1016/j.mri.2016.10.028](https://doi.org/10.1016/j.mri.2016.10.028)
Reference: MRI 8650

To appear in: *Magnetic Resonance Imaging*

Received date: 30 July 2016
Accepted date: 26 October 2016



Please cite this article as: Zhang Na, Zhang Lei, Yang Qi, Pei Anqi, Tong Xiaoxin, Chung Yiu-Cho, Liu Xin, A fast screening protocol for carotid plaques imaging using 3D multi-contrast MRI without contrast agent, *Magnetic Resonance Imaging* (2016), doi: [10.1016/j.mri.2016.10.028](https://doi.org/10.1016/j.mri.2016.10.028)

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.

A Fast Screening Protocol for Carotid Plaques Imaging Using 3D Multi-contrast MRI without Contrast Agent

Authors:

Na Zhang, MS, ^{1,2}; Lei Zhang, MS, ¹; Qi Yang, MD, ²; Anqi Pei, MS, ³; Xiaoxin Tong, MD, ³; Yiu-Cho Chung, PhD, ¹; Xin Liu, MD, ^{1*}

1. Lauterbur Research Center for Biomedical Imaging, Shenzhen Institutes of Advanced Technology of Chinese Academy of Sciences, Shenzhen Key Laboratory for MRI, Shenzhen, China

2. Biomedical Imaging Research Institute, Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, CA

3. Department of Neurology, Peking University Shenzhen Hospital, Shenzhen, China

Corresponding Author Info:

Correspondence to: Xin Liu, MD, Shenzhen Institutes of Advanced Technology of Chinese Academy of Sciences, 1068 Xueyuan Ave., Shenzhen University Town, Shenzhen, China, 518055. Tel: 86-755-86392245, Fax: 86-755-86392299, E-mail: xin.liu@siat.ac.cn.

IRB Support:

This prospective study was approved by our institutional review board (IRB).

Grant Support:

National Natural Science Foundation of China (Grant Number: 81301216, 81327801, 81527901, 81120108012, and 81470077); National Basic Research Program 973 (Grant Number: 2011CB707903, 2013CB733800 and 2013CB733803); Science Foundation of Shenzhen (Grant Number: JCYJ20140417113430589 and JSGG20141020103440414); Science Foundation of Guangdong (Grant Number: 2014B030301013 and 2014A030312006).

ePoster Presentation:

Na Zhang, Anqi Pei, Lei Zhang, Xiaoxin Tong, Xin Liu, and Yiu-Cho Chung. A New Approach for Noncontrast MR Imaging of Carotid Artery Disease. ISMRM 20th Annual Meeting, e-poster presentation, 5-11 May 2012, Melbourne, Australia, p.3828.

Running title:

A Fast Screening Protocol For Carotid Imaging

Download English Version:

<https://daneshyari.com/en/article/5491454>

Download Persian Version:

<https://daneshyari.com/article/5491454>

[Daneshyari.com](https://daneshyari.com)