

The Newsletter for the 'Efficacy of Nitric Oxide in Stroke' Trial

Multimodal Magnetic Imaging Study of the ENOS Trial Funded by The Biomedical Research Council of Singapore

We are pleased to present details of the ENOS MR Substudy led by Dr. C Chen in Singapore, who kindly provided the following abstract:

Specific Aims :

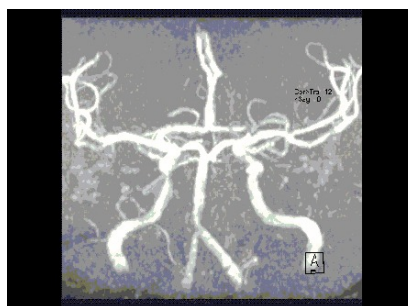
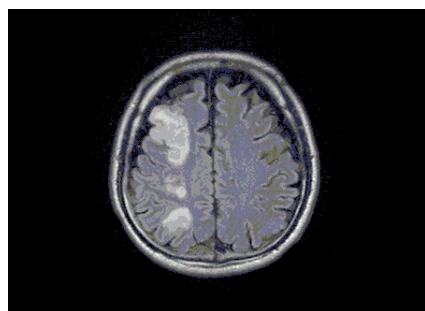
- a) To assess whether nitric oxide, delivered as transdermal glyceryl trinitrate (GTN), reduces the frequency of infarct growth, reduces the perfusion deficit, affects perfusion mismatch or brain metabolite levels, as measured by echoplanar Magnetic Resonance Imaging, after stroke.
- b) To investigate the relationship between baseline blood pressure and infarct growth and the relationship between acute changes in blood pressure and infarct growth, as measured by echoplanar Magnetic Resonance Imaging, after stroke.

Hypothesis:

GTN and cessation of prior antihypertensive treatment in acute stroke will be associated with attenuation of infarct expansion, perfusion deficit and brain lactate.

Methodology:

This MR sub-study will involve analysis of cerebral ischaemia with echoplanar MRI in 100 eligible consecutive patients enrolled into the ENOS Trial at the National Neuroscience Institute, Singapore General Hospital Campus, Singapore.



Current progress :

The Biomedical Research Council of Singapore are to fund this ENOS substudy, until 30/6/07. Xie Xiao Yun has been appointed as the Study Coordinator and Dr Yang Yong as Clinical Fellow. Screening of acute stroke patients for MR-ENOS commenced on 1/9/05 and to date 8 patients have been recruited.

For further information please contact: Chris.Chen@sgh.com.sg