Reviewer's report

**Title:** Treatment of Mechanically-Induced Vasospasm of the Carotid Artery in a Primate Using Intra-arterial Verapamil: A Technical Case Report

**Version:** 1  **Date:** 10 May 2004

**Reviewer:** Juan Carhuapoma

**Reviewer's report:**

General
Dr Coon and coworkers report an experiment of mechanically induced, large vessel vasospasm (in a primate model) and its management using intra-arterial verapamil. The following are my comments:

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

In the "Background" section:

To make a clear distinction between subarachnoid hemorrhage-induced vasospasm and mechanically, catheter-induced vasospasm will clarify the main target of this experiment, since the pathophysiology in these 2 entities differ. This distinction will also support the lack of experiments dealing with the form of vasospasm induced mechanically, as the experiment reported by the authors.

In the "Discussion" section:

The possible therapeutic effect of IA verapamil took place during the IV infusion of nitroglycerin. A combined effect of nitrates and the CCB cannot be excluded, making this paradigm even more unlikely to occur in a possible neurological/neurosurgical clinical scenario. An acknowledgement of this limitation will help the naive reader understand the full contribution of this manuscript.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)
None

Discretionary Revisions (which the author can choose to ignore)

In the "Abstract" section:

Instead of "...marked decrease in CCA size...", the authors may consider inserting the percentage reduction from baseline diameter/cross section of the cannulated CCA. This could add objectivity to the abstract.

What next?: Accept after minor essential revisions

Level of interest: An article of importance in its field

Quality of written English: Acceptable
**Statistical review:** No

**Declaration of competing interests:**

None