Reviewer’s report

Title: Hypertriglyceridemia in a coma patient

Version: 1 Date: 21 September 2012

Reviewer: Paolo Suter

Comments to authors:

General Comment:
This is a very interesting article worth reporting. It is well known that hypertriglyceridemia has different effects in the central nervous system and it is theoretically possible that elevated triglycerides might have been a cause of the coma in this patient.

Specific comments:
- In the introduction (or discussion) some more of the evidence of triglycerides and brain function / pathology should be reported. I cite below a few references which might help the authors to elaborate the topic a little more and thus giving more support for the hypothesis in this case report.
- We should know the weight and height (and Body Mass Index kg/m2) of this patient
- The concentration of the different parameters should also be given in mmol/L respectively the usual international units
- Did the authors make a ophtamlogic examination of the fundus? Did they see the fundus lipemicus? If so they might eventually have an second photograph since this is usually a very impressive picture.

Overall Recommendation:

Useful references:
- Nader Antonios et al Hypertriglyceridemia and Ischemic Stroke. Eur Neurol 2008;60:269-278 DOI: 10.1159/000157880
- Robert L. Rogers et al Reducing Hypertriglyceridemia in Elderly Patients with Cerebrovascular Disease Stabilizes or Improves Cognition and Cerebral Perfusion. ANGIOLOGY April 1989 40: 260-269,