Reviewer's report

Title: A probable mechanism of spontaneous closure of a traumatic macular hole: the role of autologous serum

Version: 1 Date: 4 December 2010

Reviewer: Periklis Brazitikos

Which of the following following best describes what type of case report this is?: Unexpected or unusual presentations of a disease

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: No

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: No

Will the case report make a difference to clinical practice?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

This is a very interesting case report, very well documented with beautiful pictures. Spontaneous closure of traumatic macular hole is not uncommon. An observation for a certain period of time may be a management of choice for traumatic macular hole. There a couple of case report in the literature for spontaneous closure of traumatic macular holes, most of them, in patients aged in their 10-20s, and not in older aged groups and this is what makes this report more interesting.

One minor comment in the ABSTRACT, conclusion paragraph. The last sentence "This may have stimulated glial cell migration and proliferation, thus contributing to spontaneous hole closure despite patient age and post-traumatic PVD" should be rephrased, as it passes the wrong message. PVD
is the suggested mechanism of both TMH formation and closure (Yamashita, AJO 2002). Without PVD, the TMH of this case report probably would have never been closed, regardless the possible beneficial effect of autologous serum.

**Quality of written English:** Acceptable