Reviewer's report

Title: Progressive and deleterious multifocal cerebral infarction in a young kidney transplant recipient due to thrombotic microangiopathy

Version: 1 Date: 23 October 2013

Reviewer: Arnaud Del Bello

Reviewer's report:

Haghikia & al reported a case of TMA in a kidney graft patient. They speculate that this disease is induced by ciclosporin A.

1. Major compulsory revisions

The case presentation is well described; unfortunately, in my opinion several data are lacking: concerning the pre-transplantation period, what kidney disease was suspected, have you got histology? can we suppose that this patient present an abnormality of the alternative pathway of the complement?

Concerning the post transplant period, do you have previous biopsy? does it show signs of TMA? what about the kidney function during the transplant period? and in the first day after the transplantation did you have noted datas for TMA after ciclo A introduction?

Concerning infectious tests: do you have realized HIV tests, and PCR for CMV? the presence of diarrhea and Shiga toxin?

Do you have looking for haematological disease such as lymphoma?

Concerning the discussion, I'm not sure that you can conclude that ciclo A is responsible for this presentation, due to the long period between the graft surgery and the introduction of CNI and the TMA; it would be very interesting and in my opinion necessary to analyse precisely the complement and particularly the alternative pathway of the complement... and all the cause reported with occurrence of TMA.

2. Minor revisions

It would be interesting to discuss about essential treatments for TMA in 2013, and particularly plasma exchanges and eculizumab.

please discuss.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests