Reviewer’s report

**Title:** Varenicline Induced Acute Interstitial Nephritis in the Setting of Idiopathic Membranous Glomerulonephritis

**Version:** 1  **Date:** 27 September 2013

**Reviewer:** Ramin Sam

**Reviewer’s report:**

This report describes a patient who the authors conclude has varenicline induced acute interstitial nephritis. My main problem with the study is that the timeline does not completely fit. The medication was discontinued in April of 2012, yet the biopsy in June of 2012 still showed acute interstitial infiltrates? More importantly creatinine improved with prednisone but yet after stopping prednisone it went up back to level before the initiation of prednisone despite having varenicline held the entire time.

Major revisions:

1. The authors site a case in the literature (reference #20) where similar time course may have happened. In that case was the offending drug continued or stopped. The authors need to describe that case report more in detail.
2. The authors state the serologies were negative. provide more detail. Did she have dry mouth/dry eyes? Was SSA/SSB checked? Did the patient use any herbal medications.

Minor revisions:

1. The authors should present the case chronologically. They should start out with the diagnosis of membranous GN in 1993.
2. What was the serum eosinophil count.
3. What did the electron microscopy show?

**Level of interest:** An article of limited interest

**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.