Reviewer's report

Title: CYP1B1 mutation studies in patients with primary congenital glaucoma from Saudi Arabia, and identify patients with possible novel mutations in new glaucoma genes

Version: 1  Date: 22 February 2014

Reviewer: Alexander Bialasiewicz

Reviewer's report:

Minor essential revisions:

Over the last 10 years many studies have been performed on CYP1B1 in the Arabian Peninsula. The submitted work includes a large patient population and is therefore of interest for publication.

Some comments:

PCG should be detailed regarding genetic work-up and compared to relevant literature (Khan AO1, Aldahmesh MA, Mohamed JY, Hijazi H, Alkuraya FSJ AAPOS. 2012 Dec;16(6):571-2. CYP1B1 analysis of unilateral primary newborn glaucoma in Saudi children.)

In the discussion the Western part of the Kingdom is stressed regarding genetic ethnic diversity, however, the Eastern provinces with their significant Iranian influence is not mentioned.


Molecular analysis of CYP1B1 in Omani patients with primary congenital glaucoma: a pilot study.) and the Kuwaiti study (Alfadhli S1, Behbehani A, Elshafey A, Abdelmoaty S, Al-Awadi S. Am J Ophthalmol. 2006 Mar;141(3):512-Molecular and clinical evaluation of primary congenital glaucoma in Kuwait.) should be included/discussed briefly.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
'I declare that I have no competing interests'