Reviewer's report
Title: Whole exome sequencing reveals a stop-gain mutation of PKD2 in an autosomal dominant polycystic kidney disease family complicated with aortic dissection

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Reviewer: Yumay Chen

Reviewer's report:
The manuscript entitled "Whole exome sequencing reveals a stopgain mutation of PKD2 in an autosomal dominant polycystic kidney disease family complicated with aortic dissection" by Zhang et al described a PKD2 mutation associated with ADPKD with aortic dissection. The aortic dissection in ADPKD is not a novel finding, neither the mutation found in the PKD2 locus. The authors will be needed to rewrite the discussion and some of the sentences before the manuscript can be accepted for publication.

1. Define "stopgain" mutation.
2. Through a study with 139 ADPKD patients and in 149 healthy family members was unable to establish the association of aortic aneurysms and ADPKD. It also suggests the uncontrolled hypertension might be a factor for development of aortic dissection (J Am Soc Nephrol. 1996; 7(11):2483.). In this case report, the affected patient has 10 year of uncontrolled hypertension which could be the reason for the presentation of aortic dissection. In the discussion, the authors should discuss the role of hypertension in development of aortic dissection and which group of ADPKD patients should be monitored for it, not all the ADPKD patients.
3. Page 8, line 45, correct the sentence: "with the underlying the underlying genetic aberration is rarely explored"

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