Reviewer’s report

Title: Adopting clinical genomics: a systematic review of genomic literacy among physicians in cancer care

Version: 0 Date: 20 Jun 2017

Reviewer: Robert Saul

Reviewer's report:

This paper, a systematic review investigating genetic/genomic literacy from 1990-2015, provides a valuable resource of material to start the process of advancing genomic literacy in modern-day medicine. Yet the table (Table 3) with proposed solutions is unwieldy and proposed for online publication only. Table 2 is more succinct but basically just lists studies under suggested categories. A more definitive proposal to advance genomic literacy, presented in a succinct table or brief discussion, would enhance the paper and advance the issues addressed.

I am surprised that a genetics colloquium that addressed similar issues was not referenced or discussed. GENETIC AND GENOMIC LITERACY IN PEDIATRIC PRIMARY CARE (Saul, 2013) addresses these issues in a consensus statement that was proposed as a blueprint going forward. Other articles in this symposium that are published in the same supplement in Pediatrics 2013 are also relevant.

After preparation of this manuscript, another pertinent article was recently published that might be worthy of mention if the editor desires a revision. (https://link.springer.com/article/10.1007%2Fs12687-016-0291-3) [Survey of family history taking and genetic testing in pediatric practice, Saul et al., 2017]

Specific issues--

1) page 3, line 43--one should be followed by 'of'

2) page 4, lines 8-11--awkwardly stated

3) page 5, line 20--need a dash after 2015

4) page 8, line 34--the sentence starting "Over half" is not necessary based on the previous sentence or the two sentences can be merged.

5) page 14, lines 40-48--check out the Sanford Health Imagenetics initiative also (http://imagenetics.sanfordhealth.org/)
6) page 15, lines 36-41--the AAP [American Academy of Pediatrics] also have Pedialink programs on genetics/genomics for members

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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