**Reviewer’s report**

**Title:** First trimester ultrasound measurements and maternal serum biomarkers as prognostic factors in monochorionic twins: a cohort study

**Version:** 0  **Date:** 02 Jan 2019

**Reviewer:** Melissa Assel

**Reviewer’s report:**

This manuscript is well written and straightforward.

**Major comments:**

1. The authors do not appear to adjust for overfit when presenting the c-statistics or increase in c-statistics corresponding to multivariable models resulting in these estimates are likely overoptimistic. Could the authors update their analysis to correct for this optimism?

2. The authors could consider removing the univariable results as they test the adjusted associations regardless of the univariable results and that they are investigating the added prognostic value of these factors in addition to standard predictors.

3. A decision curve could add value here in order to compare the added prognostic benefit for the different types of factors.

**Minor comments:**

1. The overall column in table 1 is redundant. Perhaps the authors instead could include a column of comparative tests between no complication vs at least one complication per twin pregnancies.

2. The first line in table 2 is the only one presented without a denominator. The authors may want to add this in for consistency.

**Level of interest**

Please indicate how interesting you found the manuscript:

An article of importance in its field

**Quality of written English**

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published


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