Reviewer’s report

Title: The Development and Implementation of A 12-Month Simulation-Based Learning Curriculum for Pediatric Emergency Medicine Fellows Utilizing Debriefing with Good Judgment and Rapid Cycle Deliberate Practice

Version: 0 Date: 22 Oct 2018

Reviewer: Summers Kalishman

Reviewer's report:

The authors have developed a comprehensive simulation based 12 month curriculum using the conceptual curriculum framework from Thomas, Kern et al. to train pediatric emergency medicine fellows in skills and knowledge associated with their core responsibilities. The authors also mention using two conceptual frameworks, debriefing with good judgment and rapid cycle deliberate practice, in their implementation of this curriculum. The paper names the topics included in the curriculum and identifies several different measures used to obtain feedback from the learners and assessment of their practice. The unique features in the curriculum, feedback with good judgment and rapid cycle deliberate practice, are referenced but the nuance associated with their use and the ways they were framed is not described, only mentioned. Similarly the inclusion of ADDIE warrants more description in this papers. The paper would be strengthened if more description of each of these approaches with examples of their use were included.

The authors list six different areas used to evaluate the curriculum. And they follow appropriately with useful description and evidence from several of them. I am concerned about the inclusion of focus group as one of the approaches. The authors mention the limitation associated with the approach used with the program director facilitating the focus group. The description of evaluation procedure #5 needs some modification to clarify the purpose of the evaluation. The authors have developed a thoughtful evaluation and it warrants a bit more description--it involves mixed methods and perspectives from faculty and learners.

The authors work in a fellowship program and as such must deal with small numbers of participants. I think the authors have done a very good job of framing their approach, justifying the percent attendance they are able to report with both a very credible curriculum and evaluation plan.
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.

Unable to assess

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?
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I am able to assess the statistics

Quality of written English
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