Reviewer's report

Title: The caval index: an adequate non-invasive ultrasound parameter to predict fluid responsiveness in the emergency department?

Version: 2 Date: 1 March 2014

Reviewer: Daniel Johnson

Reviewer's report:

Minor essential revisions:

Abstract - in Results, 3rd line, would change to "The positive predictive value of a high caval index was much lower..."

Abstract - in Conclusions, 3rd line should be "<36.5%" not 35.5%

Introduction - Line 1 and 5 should say "hemodynamically unstable" NOT "hemodynamic unstable."

Intro - line 14 should say "several studies have" not "several studies haved"

Results - line 6, should say "most patients" not "most patient"

Results - line 10 should say "classified as" instead of "divided in"

Discussion - page 10, line 14, would change to "Patients with severe hypovolemic shock..."

Limitations - 3rd sentence is not a limitation.

Limitations, page 12, 3rd line, change "this" to "which"

Limitations, page 12, line 6 should say "...were made for medications such as analgesics anxiolytics administered to patients. However none of the patients received vasopressor or inotropic agents during the study period." Please get rid of the italic and underlined "inotropic agents."

Limitations, Page 12, line 9 should say "...right heart failure, severe pulmonary hypertension, severe..." and the semi-colon should be deleted.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

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