Reviewer's report

Title: A new Adult Appendicitis Score improves diagnostic accuracy of acute appendicitis - A prospective study

Version: 2 Date: 29 March 2014

Reviewer: Neil Merrett

Reviewer's report:

Well written paper developing a new scoring system for acute appendicitis based on prospectively developed data.

No major compulsory issues
No minor essential revisions

discretionary revisions. Paper could be improved by addressing the following issues

1. CT had high sensitivity and specificity but was only performed in a small number of patients. what were the indications for CT scanning used in the study
2. There is much discussion of the risks associated with ionising radiation particularly in the young. Rather than simply give a citation to EJ Hall 2008, could this actual risk be qualified in the discussion
3. Ultrasound is not discussed as a "low risk" diagnostic imaging tool. Could the role of ultrasound in diagnosis of appendicitis be discussed and would ultrasound have improved diagnosis in those determined as having medium risk by this scoring method

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.