Reviewer's report

Title: Comparison of three point-of-care testing devices to detect hemostatic changes in adult elective cardiac surgery. A prospective observational study.

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Reviewer: Kent Lewandrowski

Reviewer's report:

This manuscript is a small (35 cases) study comparing three point of care coagulation instruments (TEG, RoTEM and Sonoclot) to each other and to conventional central laboratory coagulation tests. This is the first study that actually compared in side-by-side fashion the three point-of-care devices. Previous studies evaluated just one device. The authors demonstrated that these POC devices can be used to predict postoperative bleeding following cardiac surgery albeit the TEG device appeared to be preferable to the RoTEM (slightly) and both were apparently preferred over the Sonoclot. The did not perform any outcomes study beyond the comparison described above. The use of these devices is a "hot" topic now in many hospitals. This study is useful because it is the first to compare the three devices side by side and to demonstrate their differences.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

No competing or conflicts of interest to declare.