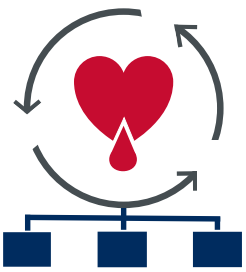
Evidence in focus | Publication summary

TEG® 6s-Guided Algorithm for Optimizing Patient Blood Management in Cardiovascular Surgery: Systematic Literature Review and Expert Opinion

Maxey-Jones C, et al. J. Cardiothorac.Vasc. Anesth. **(2025)***

Objectives

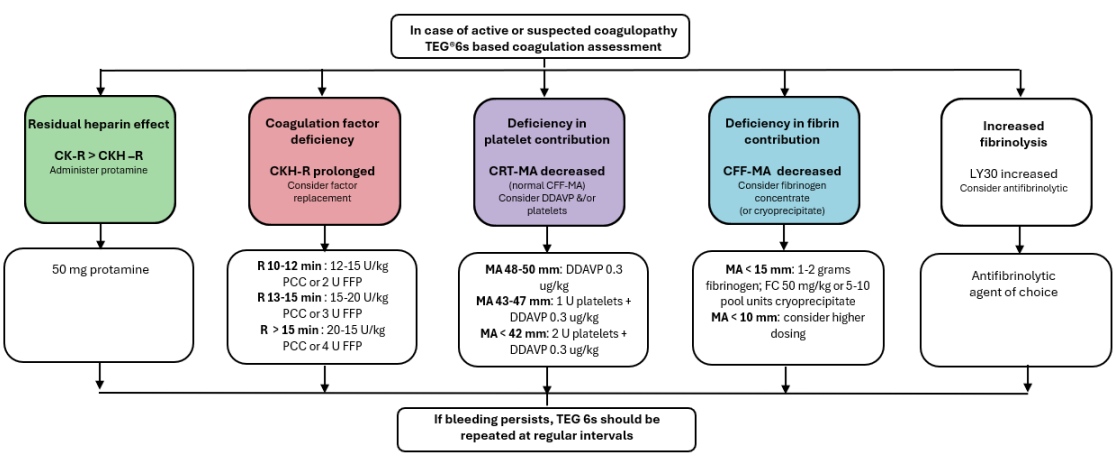
Propose a comprehensive TEG® 6s-guided treatment algorithm for cardiac surgical patients bleeding or with suspected coagulopathy, based upon literature review and expert opinion.



Overview

Studies and meta-analyses have demonstrated the benefits of using viscoelastic haemostatic assays (VHA), particularly the use of VHA-guided algorithms to reduce transfusions and blood loss. Both the updated European 2024 PBM in CV surgery (EACTS/ EACTA-IC) and the American 2021 Patient Blood Management (PBM) guidelines (STS/SCA/AmSECT/SABM) give a Class I recommendation for viscoelastic based transfusion algorithms. To support use of the newer TEG® 6s system, the authors aimed to develop a contemporary and comprehensive TEG 6s platform-based treatment algorithm for haemostatic management of bleeding patients undergoing cardiac surgery. A systematic literature review was conducted, along with gathering expert opinion.

Results



Conclusion

Although the observed correlation of TEG 6s and TEG 5000 data meant it was reasonable to rely on TEG 5000-algorithms, there's a need to develop and validate TEG 6s platform specific treatment algorithms, which can serve as an initial framework for standardisation and future research.

"A new algorithm for cardiac surgery based on TEG® 6s assays has been proposed based on the available evidence and expert opinion for research alignment and clinical validation."

* Maxey-Jones C, Seelhammer TG, Arabia FA, et al., TEG® 6s-Guided Algorithm for Optimizing Patient Blood Management in Cardiovascular Surgery: Systematic Literature Review and Expert Opinion. J Cardiothorac Vasc Anesth. 2025 May;39(5):1162-1172. doi: 10.1053/j.jvca.2025.02.011

For a list of worldwide office locations and contact information, visit www.haemonetics.com/officelocations

© 2025 Haemonetics Corporation. Haemonetics and TEG are a trademark or registered trademark of Haemonetics Corporation in the USA, other countries, or both. 10.2025 Switzerland. COL-COPY-002604-IE(AA)

HAEMONETICS®