

Innovative applications of global assays of hemostasis

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Innovative applications of global assays of hemostasis

Anne-Marije Hulshof

1. Global assays of hemostasis help characterize complex hemostatic pathologies. (*this thesis*)
2. Unraveling the interplay between hemostasis and the immune system is crucial to understanding COVID-19 pathophysiology. (*this thesis*)
3. Viscoelastic assays demonstrate potential as a diagnostic and prognostic biomarker in mechanically ventilated patients with COVID-19. (*this thesis*)
4. Rotational thromboelastometry is suitable and feasible to detect anticoagulants in an acute patient setting. (*this thesis*)
5. We are at a crossroad from large panels of unidimensional laboratory assays towards a more global approach in hemostasis patient care.
6. Monitoring and optimizing antithrombotic medication on an individual patient level remains a major challenge in clinical practice.
7. Repurposing existing global assays of hemostasis in other patient settings deserves more investigation.
8. The experiences in the COVID-19 pandemic serve as a roadmap for the organizational structures required between researchers, laboratory specialists and clinicians to implement and optimize laboratory-guided patient management when confronted with a new pandemic. (*Valorization*)
9. Never let a good crisis go to waste. – Winston Churchill
10. Een goed begin is het halve werk, maar een goed begin is maar de helft. – De Jeugd van Tegenwoordig