JUN 22, 2018

OPEN ACCESS

DOI:
[dx.doi.org/10.17504/protocols.io.ki9cuh6](https://doi.org/10.17504/protocols.io.ki9cuh6)

External link:
<https://doi.org/10.1371/journal.pone.0193657>

Protocol Citation: Sven Van Poucke, Dana Huskens, Kurt Van der Speeten, Mark Roest, Bart Lauwereins, Ming-Hua Zheng, Seppe Dehaene, Joris Penders, Abraham Marcus, Marcus Lancé 2018. Rotational thromboelastometry (ROTEM). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.ki9cuh6>

MANUSCRIPT CITATION: Poucke SV, Huskens D, Speeten KVd, Roest M, Lauwereins B, Zheng M, Dehaene S, Penders J, Marcus A, Lancé M (2018) Thrombin generation and platelet activation in cytoreductive surgery combined with hyperthermic intraperitoneal chemotherapy - A prospective cohort study. PLoS ONE 13(6): e0193657. doi: [10.1371/journal.pone.0193657](https://doi.org/10.1371/journal.pone.0193657)

Rotational thromboelastometry (ROTEM)

PLOS One

Sven Van Poucke¹, Dana Huskens², Kurt Van der Speeten³, Mark Roest², Bart Lauwereins¹, Ming-Hua Zheng⁴, Seppe Dehaene¹, Joris Penders⁵, Abraham Marcus⁶, Marcus Lancé⁶

¹Department of Anesthesiology, Intensive Care, Emergency Medicine and Pain Therapy, ZOL, Genk, Belgium.;

²Synapse Research Institute, Maastricht, The Netherlands.;

³Department of Surgery, ZOL, Genk, Belgium.;

⁴Department of Hepatology, the First Affiliated Hospital of Wenzhou Medical University, Wenzhou 325000, China.;

⁵Central Diagnostic Laboratory, ZOL, Genk, Belgium.;

⁶Department of Anesthesiology, ICU and Perioperative Medicine, HMC, Doha, Qatar

HIPACAT

Sven Van Poucke

Department of Anesthesiology, Intensive Care, Emergency Medi...

ABSTRACT

Thrombus formation was measured by the viscoelastic test: ROTEM (Tem International GmbH c/o Dutch Affiliate, Tilburg, The Netherlands). Standard assays were used according to the manufacturer's recommendations: EXTEM (ref.: 503-05, Tem International GmbH c/o Dutch Affiliate, Tilburg, The Netherlands), FIBTEM (ref.: 503-06, Tem International GmbH c/o Dutch Affiliate, Tilburg, The Netherlands), and HEPTTEM (ref.: 503-09, Tem International GmbH c/o Dutch Affiliate, Tilburg, The Netherlands). All samples were measured within 1 h after blood collection. Furthermore, by means of EXTEM and FIBTEM results, the contribution of platelet count to the thrombus formation was calculated as the PLTEM parameter [22].

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

Created: Nov 01, 2017

Last Modified: Jun 22, 2018

PROTOCOL integer ID:
8513