

# Managing anticoagulant therapies using innovative thrombin generation assays

## Citation for published version (APA):

Bloemen, S. (2014). *Managing anticoagulant therapies using innovative thrombin generation assays*. Maastricht University. <https://doi.org/10.26481/dis.20141219sb>

## Document status and date:

Published: 01/01/2014

## DOI:

[10.26481/dis.20141219sb](https://doi.org/10.26481/dis.20141219sb)

## Document Version:

Publisher's PDF, also known as Version of record

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## Managing anticoagulant therapies using innovative thrombin generation assays

1. Whole blood calibrated automated thrombinography (CAT) can predict a bleeding phenotype in patients taking vitamin K antagonists. (*this thesis*)
2. The variation in the pharmacodynamic effect of direct inhibitors is not smaller than that of indirect inhibitors. (*this thesis*)
3. The addition of thrombomodulin to the thrombin generation test gives a better representation of the in vivo state of the coagulation system. (*this thesis*)
4. Currently no good laboratory test is available to measure the effect of all anticoagulants and antithrombotics. (*this thesis*)
5. The more thrombin the less bleeding but the more thrombosis, the less thrombin the less thrombosis but the more bleeding.  
*Hemker H.C. Curr Opin Hematol, 2004: 170-5.*
6. The 'holy grail' for antithrombotic therapy – a drug that will prevent thrombosis without a bleeding risk- has yet to be found.  
*Mackman N. Nature, 2008: 914-8.*
7. Bariatric surgery prevents atrial fibrillation in obese patients.  
*Yuan H et al. HRS meeting, 2014*
8. Dark chocolate improves walking in patients with peripheral artery disease.  
*Loffredo L. et al. J Am Heart Assoc, 2014: e001072.*
9. Be careful about reading health books. You might die of a misprint.  
*Twain M.*
10. I don't know the key to success, but the key to failure is trying to please everyone.  
*Cosby B.*
11. If we knew what it was we were doing, it would not be called research, would it?  
*Einstein A.*

Saartje Bloemen  
Maastricht, 19 december 2014