

SSC Subcommittee Project/Collaborative Project

- Name of the Project: **STANDARDIZATION OF METHODS FOR PERFORMING THE THROMBIN GENERATION TEST**
- Person responsible (Chair / Principal Investigator): Dr. Claude Negrier (France)
- Members: Dr. Yasmin Dargaud (France)
Dr. Thomas Lecompte (France)
Dr. Roger Luddington (UK)
Dr. Alisa Wolberg (USA)
Dr. H.C. Hemker (The Neherlands)
- Aim / Mandate of the project: The mandate of the project will be to propose methodology that may be considered to be the recommended way to perform the thrombin generation test so as to bring standardization in studies performed using this method and the literature.
- Methodology: Several variations of the method to perform the thrombin generation test exist in the literature with regard to reagents, instrument and interpretation. The project members will review published literature and data on file in their own laboratories on this test, correlate with available clinical data and propose a method that will then be considered the recommended way to perform and interpret this test. The test performed in this way may then be assessed for applications in different conditions by other laboratories in the world.
- Year of starting: Dec 2009
- Annual report of project: Literature published in 2010/2011 has been carefully followed and some lab data and information exchanged. Particularly, further activities to minimise the variability of the assay have been carried out among 5 European centers and the results were published in Thromb Res 2010. The educational material (DVD) has been updated (2 languages) and should support the TGA activities in different centers worldwide. The availability of the TGA machines has been worked out and most of the participating centers are equipped yet. In addition to these standardization activities of the CAT assay, the project members felt that the current variability of the assay was good enough to initiate translational research. In this regard, 3 main fields have been thought of:
 - Use the common method in 10 centres
 - Replication exercise in 10 centres
 - Implementation of TGT in prophylaxis (patients with and without inhibitors)
- Year of completion (expected): 2011