

SSC Subcommittee Project/Collaborative Project

- Name of the Project: **PHARMACOKINETICS**
- Person responsible (Chair / Principal Investigator): Dr. Peter Collins (UK)
- Members: Dr. Sven Bjorkman (Sweden)
 Dr. Victor Blanchette (Canada)
 Dr. Kathelijne Fischer (The Netherlands)
 Dr. Massimo Morifini (Italy)
 Dr. Edward G.D. Tuddenham (UK)
- Aim / Mandate of the project: The mandate of the project will be to review the current state of knowledge relating to the measurement of coagulation factor pharmacokinetics in clinical practice, and to write recommendation on how to measure factor VIII and factor FIX pharmacokinetics with limits sample times suitable for clinical practice. This guideline would complement the current ISTH guideline for measuring pharmacokinetics when comparing concentrates.
- Methodology:
 1. To describe techniques for measuring coagulation factor pharmacokinetics in routine clinical practice and explain how this information can be used to aid dosing in the area of prophylaxis. To review the current data available and discuss what studies need to be done to translate this methodology into routine clinical practice. To discuss potential clinical applications.
 2. To produce recommendations on how to apply these methods to routine clinical practice once sufficient data are available.
- Year of starting: 2009
- Annual report of project: A presentation on the potential role of population PK was given at the ISTH SSC in 2010. A free to download computer programme has been identified and validated for use in haemophilia. A manuscript has been prepared which will give instructions on how to measure PK in routine clinical practice and dose-adjust prophylaxis. This manuscript is awaiting publication of a population PK model built from Advate data so that exact instructions can be given on how to set up the computer programme. The Advate population PK model is submitted and awaiting peer review.
- Year of completion (expected): 2011