

Title      A study of age - and sex - related variation in  
              coagulogram

Researchers      Permsin   sathiropas  
                      Sanan   Choenta  
                      Nantarat   Komanasin  
                      Montien   Puntumetalcul  
                      Pisit   sanpitak \*  
                      Supinun   Saichua-Speck

Department of Clinical Microscopy Faculty of  
Associated Medical Sciences, Khon Kaen University

\* Department of Pathology, Faculty of Medicine  
Khon Kaen University

### Abstract

Coagulogram (Prothrombin time (PT), Activated partial thromboplastin time (APTT) and Thrombin time (TT) was studied in 160 healthy volunteers (male : female = 102 : 58) using fibrometer. Normal values of PT, APTT and TT were  $11.6 \pm 2.3$  sec.,  $37.2 \pm 9.1$  sec. and  $7.6 \pm 2.8$  sec., respectively. Four age-related subgroups of the volunteers : < 15 yrs, 15-29 yrs, 30-44 yrs and > 45 yrs showed no statistically significant difference of the coagulogram between both sex ( $p > 0.05$ ). There were no influences of age and sex on the coagulogram. These suggest that easily selected local volunteers can possibly represent their population in the finding of coagulogram normal values. The values could be compared to the patient's coagulogram in order to investigate bleeding or thrombotic problems.