



**..Sudan University of Sciences and Technology  
College of Graduate Studies**



**Determination of Prothrombin Time and Activated  
partial Thromboplastin Time by using the same semi-  
automated device in different laboratories**

**قياس عوامل التجلط باستخدام جهاز قياس التجلط ستاغو بمعملين  
مختلفين في ولايه الخرطوم**

**A dissertation submitted in partial fulfillment of the  
requirements for M.Sc. Degree in Medical laboratory  
sciences (Hematology and Immunoematology)**

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