

الآية

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قال تعالى :

(وَلَقَدْ نَعْلَمُ أَنَّهُمْ يَقُولُونَ إِنَّمَا يُعَلِّمُهُ بَشَرٌ لِّسَانُ الَّذِي يُلْحِدُونَ
إِلَيْهِ أَعْجَمِيٌّ وَهَذَا لِسَانٌ عَرَبِيٌّ مُبِينٌ)

سورة النحل الآية (١٠٣)

Dedication

I dedicated this work to

My Parents

My Supervisor

Teachers

Friends and

Any one helps me to complete this work

Acknowledgment

I would like to expressing appreciation to my supervisor Dr. Munsoor M . Munsoor for his guidance and support during the conduction of this study from the start to end.

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Abstract

This descriptive, prospective and analytical study which has been done to estimate values of PT and APTT in healthy adult individuals in Khartoum State during the period of May to July 2013.

Two ml of venous blood added in to citrated container from healthy individuals (150 males and 150 females). PT and APTT were carried out by coagulometer methods and analyzed using of SPSS program me.

The results were revealed that all individuals were within world reference range for both PT and APTT with 13 sec and 31 sec respectively.

The age and sex of these individuals of study group have no effect in the results that were obtained.

The values of PT and APTT were not differing from the international normal values.

ملخص الدراسة

هذه الدراسة وصفية تحليلية هدفت لتحديد القيم الطبيعية لزمن البروثرومبين وزمن الثرومبين الجزئي المنشط (PT and APTT) ، في الأفراد السودانيين الأصحاء البالغين في ولاية الخرطوم في الفترة ما بين شهر مايو الى شهر يوليو ٢٠١٣ . تم أخذ اثنين مل من الدم الوريدي في وعاء يحتوي على مانع للتجلط من 300 شخص صحيح 150 منهم رجال والبقية نساء. تم تحديد قيم كل من زمن البروثرومبين والثرومبين الجزئي المنشط بطريقه جهاز الكواجلوميتر وتم تحليلها بواسطة برنامج الحزم الأحصائية الاجتماعي وكانت النتائج كالآتي: متوسط زمن البروثرومبين ١٣ ثانيه ومتوسط زمن الثرومبين الجزئي المنشط ٣١ ثانيه.

لم يكن هنالك تأثير لجنس وعمر الشخص في النتائج. تمت مقارنة النتائج المتحصله عليها مع نتائج بعض الدول الأخرى واتضح أن هنالك تشابه مع القيم الطبيعية.

Abbreviations

- PS: proteinS.
- TF: Tissue Factor.
- T-PA:tissue- plasminogen activator.
- U-PA: urokinase-plasminogen activator.
- VWF: von willebrand factor.
- PFIV: Platelet Factor IV.
- GP: glycoprotein.
- ADAMTS-13: adisintegrin and metalloprotease with thrombospondinmotif. -
- PDGF: platelet-derived growth factor.
- PC: protein.
- EPCR: Endothelial PC receptor.
- TT: Thrombin Time.
- PT: Prothrombin Time.
- APTT: Activated partial thromboplastin Time.
- FDPS: fibrin degradation products.
- INR: international normalized ratio.
- SPSS: statistical package for social science.
- HMWK : high molecular weight kinin.
- TFPI: tissue factor pathway inhibitor.
- AT: antithrombin .
- APC: activated protein C.
- TM: thrombomodulin .
- GAG: glycosaminoglycan.
- PAR-1: protease activated receptor 1.

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