

الآية

بسم الله الرحمن الرحيم

قال تعالى:

وَالْعَصْرِ ﴿١﴾ إِنَّ الْإِنْسَانَ لَفِي خُسْرٍ ﴿٢﴾ إِلَّا الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ وَتَوَّصُوا بِالحَقِّ وَتَوَّصُوا بِالصَّبْرِ ﴿٣﴾

سورة العصر

Dedication

To my father and my mother for support and encourages me to complete my study.

To my wife for helping me in everything in my life .

To my brothers and sisters who they didn't lift my side.

Acknowledgement

My greatest and all thanks to Allah as he helped me to finish this research . He also gave me strength and good health while doing this work.

Thanks also Dr. Asma Ibrahim Ahmed, my supervisor for his kind advice, true guidance and great help.

Abstract

This was a cross-sectional study carried out in Gadarif state from January 2017 to April 2017 to estimate the normal measurement of normal main portal vein diameter for 100 normal populations. The study excluded any patient with hepatic and biliary system disease.

The data was analyzed using Standard Package of Social Science and EXCEL programmers.

and the result of study show that normal measurement of portal vein less than 13 mm, and there is no significant correlation between portal vein diameter and age and sex and other anthropometry measurement.

The study recommended more research should be done with increase duration and sample for more accurate results.

المخلص

هذه الدراسة مقطعية وصفية لتحديد المقاس الطبيعي للوريد البابي لجسم الانسان , اجريت هذه الدراسة في ولاية القصارف , لعدد 100 شخص , في الفتره بين يناير 2017 الي ابريل 2017 , استثنينا في هذه الدراسة الاشخاص الذين لديهم اي مرض في الكبد ومجاري الحويصلة الصفراوية.

تم جمع البيانات وتصنيفها ثم تحليلها بواسطة برنامج التحليل الإحصائي.

وجدت الدراسة أن المقاس الطبيعي للوريد السباتي اقل من 13 ملم . وان العمر و نوع الانسان والحجم والطول لا يؤثران في حجم الوريد الثباتي.

اوصت الدراسة بعمل المزيد من البحوث في هذا المجال بفترة زمنية اطول وبيانات اكثر لنتائج افضل و ادق .

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List of Abbreviations

Ad cir	Abdominal Circumference
BMI	Body Mass Index
CBD	Common bile duct
chest cir	Chest Circumference
CT	Computerize tomography
HCC	hepatocellular carcinoma
Min	Minimum
Max	Maximum
MRI	Magnetic resonance image
P.V	Portal vain
STD	Standard deviation

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