

## الآية

(امن هو قانت اناء الليل ساجدا وقائما يحذر الاخره  
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الاية 9 الزمر

**Abstract**

This study has done in academy teaching hospital in ultrasound .department, and some private medical center

The main objective of this research is to study the kidneys in patient with uncountable pus and RBCs in urine using ultrasound with 3.5 MHz .frequency curvi-linear probe

The study was collected form 50 cases presented with uncountable pus cells and RBCs in their urine using questioner .includes patients personal data plus ultrasound finding

The ultrasound finding that almost normal kidney size , with mean volume 103. for the right kidney , and 11 for the left kidney. With only 18% above normal upper limit, and most likely the enlargement contributed to the inflammatory processes . On the other hand 22% of patient have renal stone , 8% in right kidney , 10% in left kidney, and 4% have bilateral renal stone. In addition founded that 18% have hydronephrosis , 6% in each side , and 6% .bilaterally.56% of hydronephrotic patients have renal Stone

The study showed the importance of us in diagnosis of patient with hematuria and pyuria. But as the study confined to study the kidneys of those patients thus further studies should be done .including the ureters and bladder

Key words: hematurea, pyuria, low frequency, stone , .hydronephrosis

## **الخلاصه :**

اجريت هذه الدراسه في المستشفى الاكاديمي التعليمي بالخرطوم وبعض المراكز الطبيه الخاصه بقسم الموجات فوق الصوتيه . الهدف الرئيسي من هذه الدراسه

, دراسه خصائص الكلبي لمرضي البول الدموي والصديدي باستخدام جهاز سونار به مسبار مقوس ترددده 3.5 ميگاهيرتز. تمت  
الدراسه علي 50 حاله تعاني من البول الدموي والصديدي باستخدام استبيان يحوي البيانات الشخصيه للمرضي بالاضافه الي نتائج الموجات فوق الصوتيه.

كانت نتائج الدراسه ان حجم الكلبي تقريبا طبيعي وان متوسط حجم الكلبي اليميني (  $25.9 \pm 103.9$  ), و متوسط حجم الكلبي اليسري (  $22.1 \pm 113.7$  ), , فقط 18% اظهروا حجاما اعلي من المستوي الطبيعي . وقد عزيا لتضخم غالبا للعمليات الالتهابيه . من ناحيه اخري 22% من المرضي كانت لديهم حصاوي بالكلبي , 8% منهم في الكلبي اليميني و 10% في الكلبي اليسري و 4% كانت الحصاوي بالكليتين . بالاضافه وجد ان 18% يعانون من تموه الكلبي, 65 منهم بكل جانب و, بالاضافه ل 8% بالجانبين , و 56% منهم مصحوبه بحصاوي.

اظهرت الدراسه اهميه الموجات الصوتيه في التشخيص لمرضي البول الدموي والصديدي و لكن حيث اقتصرت الدراسه علي الكلبي فقط لذا يوصي بعمل مزيج من الدراسات شامله الحوالب والمثانه ايضا.

## Dedication

To whom I am just be I am because  
of her great love, support, and  
guidance, the spirit of my life, my  
.mother

To my father, who learns me  
always to go ahead toward  
.success

To my kind brother, I always thank  
.God for sharing my life with him

To my best friends I always proud  
.of your friendship

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