

Ultrasound Evaluation Of Chronic Kidney Diseases in Children.

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Abstract:

Chronic Renal Disease is an irreversible condition affecting the kidney which eventually progresses to end stage renal failure.

This Cross sectional study aimed to determine the cause of Chronic kidney diseases with the relation to age, gender, geographic location among Sudanese children using Ultrasound 3.5MHz, the Children aged 0-18 years presenting in Soba University Hospital during the period from January to October 2010, Any case of acute kidney disease due to any cause, any chronic renal failure aged more than 18 years, any chronic renal failure patients were excluded.

The study showed that chronic kidney disease in children was found to be more common in boys than girls in this study with a ratio of 2:1.

The age of presentation was found to be at any age from birth onwards. Congenital causes tend to appear earlier in life. The peak age of presentation in this study was found to be between 11 and 12 years of age because of chronicity of the disease which worsens as the child gets older.

The residence was found to be of no significance except for Kurdufan and Darfur where posterior urethral valve is more common among boys of these areas. The kidney size is reduced in cases of chronic parenchyma disease. The kidney size is increased in cases of hydronephrosis. echogenicity is increased in almost all cases.

Key ward: kidney diseases, Children, Ultrasound