

Summary

A study was performed on the urinary system of 63 goats. The goats were divided into three main parts. The first one included radiographic investigation of normal animals (20), the second part included sonographic investigation of normal animals (50), and the third part included radiographic and sonographic investigation of 13 clinical cases. Results of radiography revealed that the ratio between the length of the kidneys to that of the L2 was 22.1-2.6: 1. The sonographic result revealed the position, shape, dimensions and echogenicity of the kidneys, ureters, bladder and urethra by using 3.5-5.0 MHz curved transducer and 6.0/8.0 MHz linear transducer . Both urography and ultrasonography were used for diagnosis of cases suffering from hydronephrosis, urine retention, cystic calculi, cystitis and congenital urethral dilatation.

Key words: ultrasonography, goat, urinary