

Vet J. 2003 Nov;166(3):257-64.

Echo-assisted percutaneous renal biopsy in dogs. A retrospective study of 229 cases.

Zatelli A, Bonfanti U, Santilli R, Borgarelli M, Bussadori C.

Clinica Veterinaria Pirani, Via Majakowski, 2/N, 42100 Reggio Emilia, Italy. clinvet-pirani@libero.it

Renal biopsies were carried out on 229 dogs using an echo-assisted, semi-automatic method. Complications arising after the biopsy were also evaluated. The biopsies were examined for the accuracy of diagnosis and the presence of histologically demonstrable primary renal pathologies. A retrospective study of the observed lesions and parenchymal echogenicity showed a correlation between these factors involving the tubulo-interstitial compartment. Histopathological renal lesions and their correlation with laboratory methods are the only parameters that allow a correct diagnostic, prognostic, and therapeutic work-up in cases of clinical kidney disease in canines.