

Animal.....: **Dog Saffi** Age.....: **03 years**
LaboratoryNo: **HI253155/28.09.2011** Your ID.....: **96699139**
Material....: **tissue material tissue material**

Test Result (Reference Val) Unit

Material...: tissue material

Histopathologic examination

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MACROSCOPY:

Submitted are two parts of the kidney with the size of 45 x 20 x 22 mm and 45 x 24 x 15 mm.

HISTOLOGY:

The alterations are comparable in both samples. The glomeruli are partially swollen with adhesion to the capsule. Partially, they are atrophic with dilation of Bowman's capsule. The tubuli exhibit cytoplasmic eosinophilia and frequently swelling and vacuolation. The interstitia contain moderate lymphocytic accumulations. A mild fibrosis is present. The pelvis is surrounded by thick casts of lymphocytes forming follicle-like aggregates with marked lymphocytic exocytosis. The renal capsule is thickened with necrotic foci infiltrated with neutrophilic granulocytes and macrophages forming pyogranulomas. The blood vessels are inconspicuous but partially surrounded by lymphocytes.

DIAGNOSIS:

Severe chronic pyelitis and interstitial nephritis and acute suppurative to pyogranulomatous perinephritis

COMMENT:

Histological examination revealed severe inflammatory processes. While chronic inflammation was present in the renal pelvis and interstitially, there was an acute to subacute process in the retroperitoneal area surrounding the kidneys. In combination with the macroscopic difference in size an inborn malformation must be considered, inducing impaired outflow with chronic ascending inflammation. Suppurative perirenal inflammation might be induced by leakage of urine. This can result from ruptured cysts or urether. Because of bilateral involvement and rapid onset a traumatic component might be at least involved. The lesion was not primarily suspicious of infectious, neoplastic or autoimmune disease.

Your sample was examined by:Dr. Berit Baum Dipl. ECVP

(e-mail-Adresse: berit-baum@idexx.com)

Material...: tissue material

Histopathology examination

Your sample was examined by:Dr. Ulf Dumke FTA Pathologie

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