

Multicystic dysplastic kidney in a dog

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Signalment: A 1-year-old female mongrel dog was evaluated for anorexia and vomiting for 4 days. Blood screen tests were consistent with chronic renal failure. Abdominal ultrasonographic findings were revealed small sized kidneys with anechoic multiple cysts.

Results: The dog was euthanized due to poor prognosis. A full necropsy was performed, and the histopathologic findings in the dog were consistent with renal dysplasia. Thus the dog was diagnosed as multicystic dysplastic kidney.

Clinical Relevance: To the authors' knowledge, this is the first reported case of multicystic dysplastic kidney in a mongrel dog. This disease should be considered when small sized kidneys with multiple cysts are detected by ultrasonography in juveniles, and should distinguish multicystic dysplastic kidney from polycystic kidney disease.

Key words: multiple cyst, dysplastic kidney, dog

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