

Long-term Chemotherapy with Hydroxyurea of Intracranial Meningioma Occurring in a Dog

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Introduction: Primary central nervous system tumors arising from mesodermal origin (meningioma) are the most common intracranial tumors in dogs, followed by neuroectodermal (glial) tumors.

Materials and methods: A 9-year-old female mixed dog was referred because of cluster seizure episode. Physical and neurologic examination, complete blood counts, serum-chemistry, radiography, magnetic resonance imaging (MRI), cerebrospinal fluid (CSF) analysis were initiated.

Results: A mass in the right frontal lobe was noted on brain magnetic resonance images. The dural tail sign was detected in contrast study. The result of CSF analysis was normal. Based on these results, we suspected this case to intracranial meningioma. Long-term management with hydroxyurea is successful for 9 months and management is in progress.

Clinical relevance: This report describes the clinical findings, imaging characteristics, and successful management with hydroxyurea therapy in canine intracranial meningioma.

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