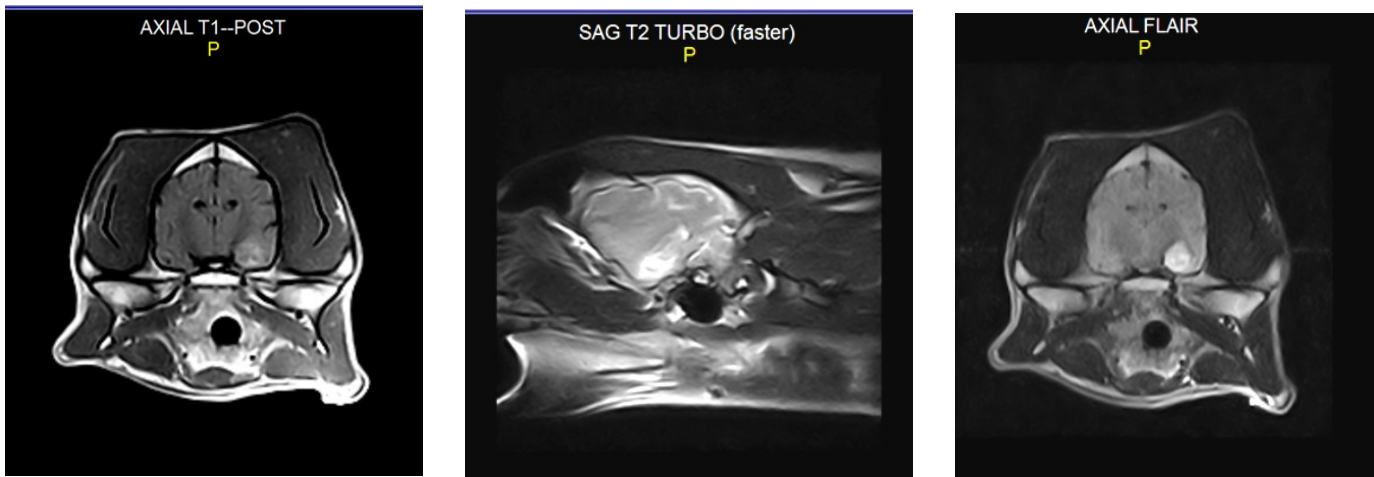


# MRI Case Study

**Summary:** “Diamond” is a 12 1/2 year old female spayed German Shepherd mix weighing 43 lbs. She experienced one seizure at home and two additional seizures after presenting to the ER. She showed some transient horizontal nystagmus with fast phase to the left.

An MRI was ordered to help diagnose the cause of the seizures.

The patient was treated with Valium, midazolam, 300mg Phenobarbital loading dose, induced with propofol and maintained on isoflurane during the study.



**Findings:** There is a mild poorly-margined T2 hyperintensity (T1 isointense and non-contrast enhancing) to the right and left piriform and temporal lobes, slightly more severe in the left piriform lobe. There is an approximately 1 x 0.8 cm round and well demarcated mass lesion in the left piriform lobe. It is T2 hyperintense, T1 isointense but shows moderate to strong post contrast enhancement of an approximately 0.2 cm thick and uniform wall/periphery. No other significant abnormalities are seen.

**Conclusion:** Based on the results from the MRI, the owner made the decision to humanely euthanize Diamond. Although this was a difficult decision, the MRI provided the family the opportunity to protect their loved one from recurrent and progressive symptoms and eliminated costly treatment that ultimately would not have resolved the condition.