

Radiology Reports

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AnimalScan-VA
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Patient ID:	VA22397	Exam:	BRAIN
Pet Name:	Sparky	Acc#:	22857
Surname:	Black	Exam Date:	8/31/2010
DOB:	8/28/2001	Status:	FINAL
Species:	CANINE	Clinician:	DR. LARRY GAINSBURG
Secondary Acc#:		Affiliation:	Mid-Atlantic Veterinary Neurology
Breed:	POODLE- MINIATURE	2nd Clinician:	
Gender:	MALE CAS		

History:

8/31/2010 8:57 AM Sparky presents with a recent onset of seizures and behavior changes. R/O neoplasia, infarct. (S. Cornelius)

Report:

Technical Factors: Standard sequences of the head and brain are available. These include T2-weighted images, proton density, FLAIR, gradient echo, and T1-weighted images before and after contrast.

Findings: All the T2-weighted sequences show the presence of a marked hyperintensity in a large portion of the lateral left cerebrum. The lesion extends from the occipital lobe to the midbrain. The lesion appears to be primarily affecting the gray matter. Hemorrhage was not a feature of the lesion.

Following the administration of contrast, there was some enhancement of the gray matter of the meninges and some of the deeper white matter. The enhancement was wispy and irregular. There was considerable meningeal enhancement of the affected areas of the left cerebrum. There was virtually no mass effect. There was no midline shift. Therefore, the lesion is most compatible with damaged existing brain rather than new tissue such as from neoplasia.

Conclusions:

Given the gray matter nature, the meningeal involvement, the spotty irregular contrast enhancement leads this reviewer to believe this most likely represents an inflammatory/infectious lesion. The possibility of a vascular lesion cannot be totally excluded but appears unlikely given the type of contrast enhancement and the size of the lesion. The possibility of other vascular lesions, including necrotizing encephalitis appears less likely given the degree of meningeal enhancement. Cerebral spinal fluid analysis may offer some definitive diagnosis.

Pat Gavin PhD DipACVR/RO

Transcribed By:	Connie Sakamoto
Transcribed Date:	9/1/2010 12:06:08 AM
Interpreting Rad:	Pat Gavin PhD DipACVR/RO
Finalized Date:	9/1/2010
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