

IDEXX VetConnect**1-888-433-9987****Client:** VAIL**Date:** 4/1/2010**Requisition #:****LAKE GROVE****Patient:** KUYCHI**Gender:** FEMALE

6098191

VETERINARY**Species:** CANINE**Weight:****Accession #:****CLINIC****Breed:** GRT DANE**Age:** 4Y

K9615025

17131 SW

Ordered by:

BOONESFERRY

HOFFMAN

LAKE OSWEGO, OR

97035

503-636-5681

Account #19105

PRIORITY BIOPSY W/OUT MIC (1 SITE)

Test	Result
SOURCE/HISTORY	<p>History - sudden death last evening mitral valve dysplasia DX by</p> <p>cardiologist in 3/08 but no DCM at that time.</p> <p>Tissue submitted: 5 - submitted sections from left ventricle, cardiac</p> <p>septum and mitral valve.</p> <p>Laboratory notes: Submitted is a portion of the left ventricle, which</p> <p>contains mitral valve and a portion of aortic valve. There is moderate</p> <p>irregular smooth thickening of the mitral valve. Two representative</p>

	<p>sections are processed, and two representative sections of the other</p> <p>portions of heart are also processed.</p>
MICROSCOPIC DESCRIPTION	<p>Not requested.</p>
MICROSCOPIC INTERPRETATION	<p>1. Left ventricle: Normal histologic appearance</p> <p>2. Intraventricular septum: Multifocal moderate interstitial fibrosis</p> <p>- consistent with chronic infarction</p> <p>3. Mitral valve: Moderate to marked mucinosis, and mild acute</p> <p>neutrophilic valvular endocarditis - see comment</p>

COMMENTS	<p>Histologic evaluation of each of the tissues submitted reveals a</p> <p>normal histologic appearance to the sections submitted from the left</p> <p>ventricle. The sections from the intraventricular septum reveals</p> <p>multifocal areas of interstitial fibrosis, which replaces some cardiac</p> <p>myofibers. This histologic appearance is consistent with previous</p> <p>infarction, with loss of myofibers, and replacement by fibrosis. This</p> <p>may be seen associated with cardiac diseases of varying types, with</p> <p>increased local thrombogenic state. The mitral valve grossly is</p> <p>abnormal with irregular thickening of the mitral valve, and</p> <p>histologically this is characterized by moderate to marked mucin</p> <p>deposition. Mucin deposition within the valve is a</p>

nonspecific

degenerative process, and may be seen associated with a primary valve

dysplasia, or in older dogs is a component of endocardiosis.

Interestingly there are small infiltrates of neutrophils superficially

within the mitral valve, consistent with early valvular endocarditis,

which may be associated with sudden death in this patient,

particularly if there was acute dysfunction of the valve and possible

arrhythmias.

PATHOLOGIST

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