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DNA Testing: Owner/Patient Report 6/28/2017

Submitter Information

Owner's Name Mrs Maureen Polman

Patient Information

Official Name	Canes Gratia's Les Réaux		
Call Name	Fien	DOB	10/3/2016 (0 Years 8 Months)
Breed	French Bulldog	Sex	Female (Intact)
Registration #	DK16605/2016	Microchip #	208250000079211

Testing Information

Submission ID	17314		
Testing Date	6/28/2017	Processed By	Dr. Paula Henthorn
Test	Cystinuria-Associated Marker (Type 3)-DNA [Cheek brushes/swabs]		

Result Information

Genotype	1-2 (Heterozygous)
Phenotype	See Interpretation
Interpretation	<p>1-2 (Heterozygous Carrier) dogs have one copy of the normal markers and ONE COPY of the markers associated with cystine stone formation in your dog's breed. Urine nitroprusside screening on intact males, starting between one and two years of age, should be performed, since many 1-2 intact male dogs have elevated cystine levels (nitroprusside test positive, NP+), and several have formed cystine stones. Therefore an intact male dog with this 1-2 result and an NP+ result is at intermediate risk for developing cystine stones. Castration is an option for lowering urine cystine levels in 1-2 dogs, thus reducing the risk for cystine stone formation. Both males and females with the 1-2 result can pass on the high-risk marker allele (2) to their offspring.</p>

Sincerely,

Paula Henthorn, PhD
Professor of Medical Genetics

Michael Raducha, BS
Research Specialist