

## Article references

1.

### **Myxomatous Mitral Valve Disease in dogs: Does size matter?**

Heidi G Parker PhD and Paul Kilroy-Glynn BS

From the PMC - US National Library of Medicine. National Institutes of Health.

Published online 20th Feb 2012.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3307894/>

For the following facts;

### **Mitral Valve Disease accounts for more than 70% of canine heart disease**

(I have changed this slightly from the one I sent through to you)

Ref 1 - 3 in the article.

1. Detweiler DK, Patterson DF. The prevalence and types of cardiovascular disease in dogs.

Ann N Y Acad Sci. 1965;127:481–516. [\[PubMed\]](#)

2. Haggstrom J, Hoglund K, Borgarelli M. An update on treatment and prognostic indicators in canine myxomatous mitral valve disease. J Small Anim Pract. 2009;50 Suppl 1:25–33.

[\[PubMed\]](#)

3. Borgarelli M, Haggstrom J. Canine degenerative myxomatous mitral valve disease: natural history, clinical presentation and therapy. Vet Clin North Am Small Anim Pract.

2010;40:651–663. [\[PubMed\]](#)

### **90% have heart disease (MVD) by the age of 10**

Ref 3 in the article

3. Borgarelli M, Haggstrom J. Canine degenerative myxomatous mitral valve disease: natural history, clinical presentation and therapy. Vet Clin North Am Small Anim Pract.

2010;40:651–663. [\[PubMed\]](#)

### **75% of breeds under 9kg have heart disease (MVA)**

Ref 10 in the article

10. Fleming JM, Creevy KE, Promislow DE. Mortality in north american dogs from 1984 to 2004: an investigation into age-, size-, and breed-related causes of death. J Vet Intern Med.

2011;25:187–198. [\[PubMed\]](#)

2.

**Genetic Welfare Problems of Companion Animals**

**Maine Coon - Hypertrophic Cardiomyopathy**

UFAW - University Federation for Animal Welfare

An information resource for prospective pet owners

Go to No. 4 - Number of animals affected

<https://www.ufaw.org.uk/cats/maine-coon>

For the following fact;

**Around 34% (or a third) of Maine Coon cats have a mutant gene**

And

**34% (or a third) of Maine Coons are prone to heart disease (HCM)**

3.

**Genetic Welfare Problems of Companion Animals**

**Doberman Pinscher - Dilated Cardiomyopathy**

UFAW - University Federation for Animal Welfare

An information resource for prospective pet owners

Go to No. 4 - Number of animals affected

A study by Wess et al (2010a)

<https://www.ufaw.org.uk/dogs/doberman-pinscher-dilated-cardiomyopathy>

For the following fact;

Doberman

**58% develop heart disease**

4.

**Genetic Welfare Problems of Companion Animals**

**Boxer - Arrhythmogenic Right Ventricular Cardiomyopathy**

UFAW - University Federation for Animal Welfare

An information resource for prospective pet owners

<https://www.ufaw.org.uk/dogs/boxer-arrhythmogenic-right-ventricular-cardiomyopathy>

For the following fact;

Boxer

**By middle age 50% will have heart disease (DCM)**

5.

**Rush JE. Chronic valvular heart disease in dogs. Proceedings from the 26th Annual Waltham Diets/OSU Symposium for the treatment of Small Animal Cardiology; October 19-20, 2002.** Available at : [www.vin.com/proceedings/Proceedings.plx?CID=WALTHAMOSU2002&PID=2988](http://www.vin.com/proceedings/Proceedings.plx?CID=WALTHAMOSU2002&PID=2988). Accessed January 21, 2011.

For the following fact;

**As dogs age the occurrence of heart disease reaches more than 60%**