



PURINA® PRO PLAN® VETERINARY DIETS CC CardioCare™ PROTECTS THEIR HEART FROM THE START

PURINA® PRO PLAN® VETERINARY DIETS CC CardioCare™
A life changing blend of nutrients with the power to support cardiac function.

Diet is a fundamental part of the management for dogs with cardiac insufficiency

Myxomatous mitral valve disease (MMVD) is the most common heart disease in dogs.

Effective management of **MMVD** combines different strategies, including adequate medication, adapted clinical diet and physical activity.

The following study has proven the effectiveness of a blend of nutrients (**Cardiac Protection Blend - CPB**) incorporated in a dietary intervention in dogs at **early stages of naturally occurring MMVD**.

The science behind the Cardiac Protection Blend (CPB)

Dietary intervention can help slow progression and heart enlargement in dogs within the early stages of myxomatous mitral valve disease (MMVD)¹

Introduction

The study was designed to address in dogs with early preclinical stage of naturally occurring MMVD the clinical impact of a diet formulated with a **cardiac protection blend (CPB)** of nutrients composed by Amino Acids, Omega-3 fatty acids, Medium-Chain Triglycerides (MCTs) oil, minerals, Taurine and Vitamin E.

Clinical outcomes

This is the first dietary intervention that investigates the benefits of a cardiac protection blend, showing a potential clinical application to prevent progressive cardiac disease.

- 37% of MMVD CON-diet dogs, showed MMVD progression from B1 to B2, while none of CPB-diet dogs showed progression of the disease.
- 30% of MMVD CPB-diet dogs showed a reduction of mitral valve regurgitation.
- After the 6th month of study, MMVD CON-diet dogs showed a 10.8% increase of left atrial diameter (LAD) while CPB-diet dogs showed a 2.9% of reduction.

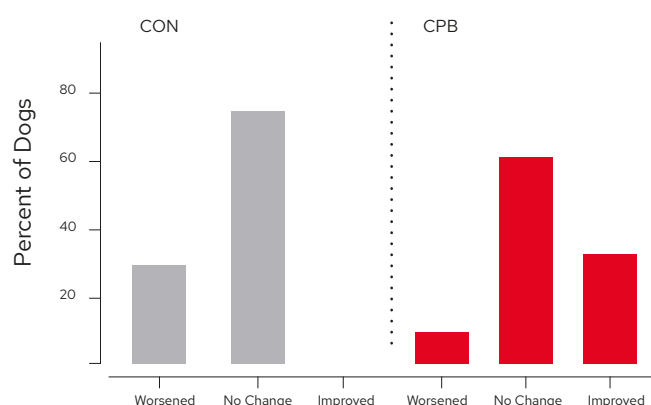


Figure 1. Percentage of MMVD dogs showing changes of at least one grade in mitral regurgitation after 6 months of feeding control diet (CON) or treatment diet (CPB), compared to baseline.

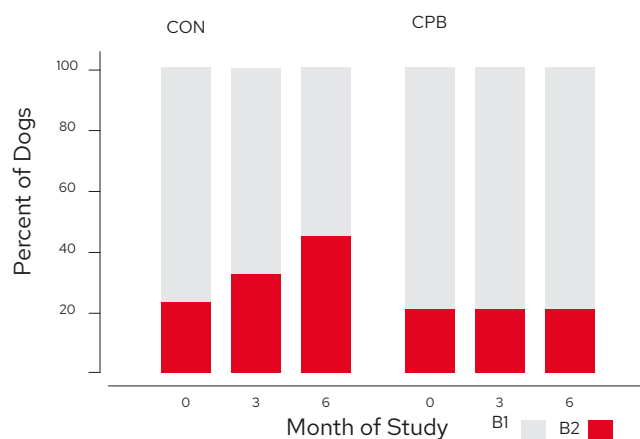


Figure 2. Progression of the disease in control diet (CON) and treatment (CPB) groups showed as percentage of MMVD dogs classified with ACVIM Stage B1 or B2 at 0- 3- and 6- months of the study.

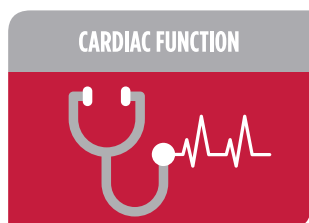
Conclusions

The study successfully demonstrated that a **blend of nutrients**, designed to address metabolic changes associated with MMVD in dogs, was able to **slow or reverse cardiac changes** within early and preclinical stage of the MMVD disease.

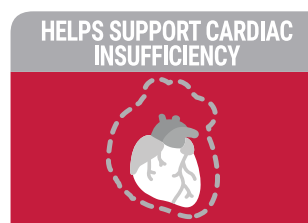
Key Benefits



Contains Cardiac Nutritional Blend composed of Amino Acids, Omega-3 fatty acids, medium chain triglycerids oil, minerals and vitamin E



Improves cardiac function in dogs with mitral heart murmur



Helps support cardiac insufficiency

¹Li Q, Heaney A, et al. Dietary intervention reduces left atrial enlargement in dogs with early preclinical myxomatous mitral valve disease: a blinded randomized controlled study in 36 dogs. BMC Veterinary Research. 2019; 15:425