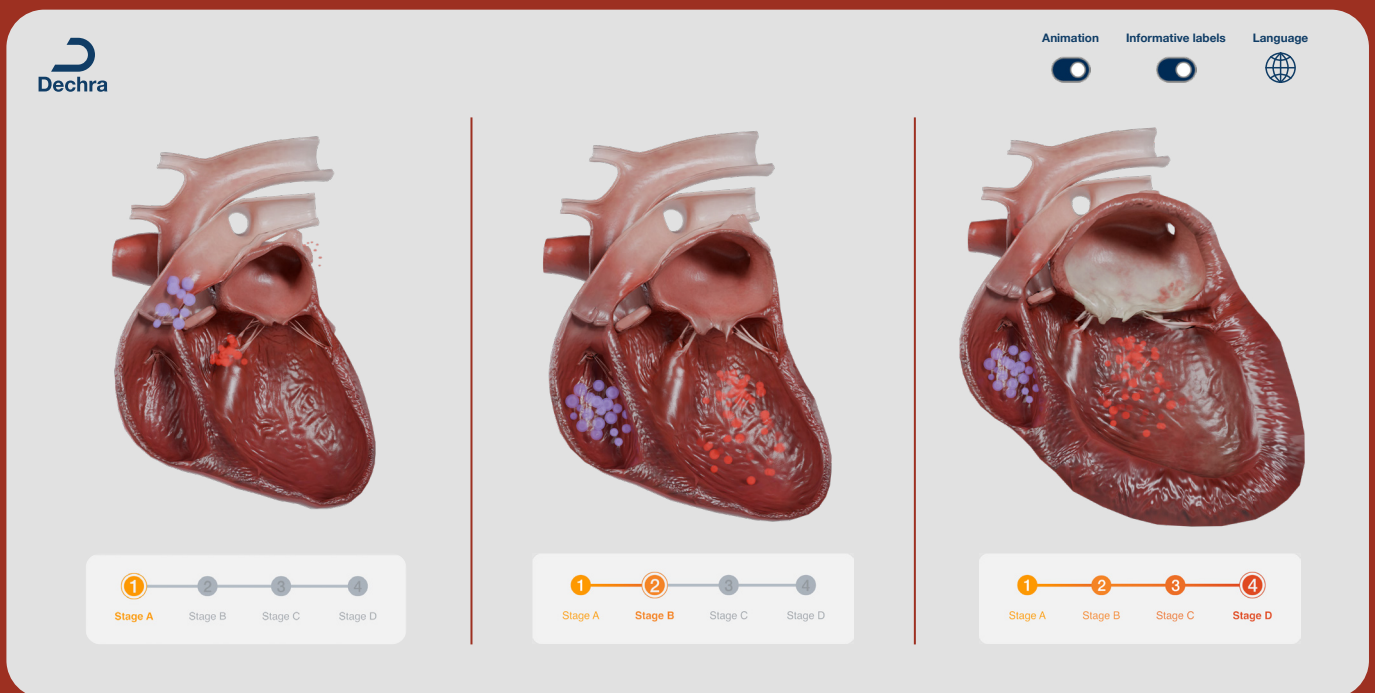


NEW!

4D Canine Heart Model

Show the progression. Strengthen the explanation.



Visually demonstrate myxomatous mitral valve disease (MMVD) with a fully interactive model that simplifies complex cardiac changes.

Fully interactive experience

- Rotate and explore 360° views of the canine heart
- Track MMVD progression over time
- Compatible with all devices

Enhanced conversations

- Educate clinic staff
- Enhance client conversations
- Support case discussions at every stage



Scan Me

4d-heartmodel.com



ACEi **P** **A** **D** Diuretics

Pimobendan **S** **Spironolactone**



PADS – as recommended by Dr Mike Martin, MVB, DVC, MRCVS, Veterinary Cardiologist in our Dechra Academy course, Cardiology – Piece by Piece.

Caring about Cardiology

A Gold standard treatment of Class C Congestive heart disease in dogs due to either myxomatous mitral valve disease (MMVD) or by dilated cardiomyopathy (DCM).

Primary Objectives:

- 🐾 Improve quality of life
- 🐾 Resolution of breathlessness
- 🐾 Improvement in exercise tolerance
- 🐾 Resolution of ascites
- 🐾 Reduction in severity of cough

Pimobendan (Cardisure®)
Inotrope and Vasodilator. Also inhibits Cytokines.

ACEI such as Benakor®
neurohormonal inhibitor of the RAAS (Renin-Angiotensin-Aldosterone System)

Diuretics such as Frusemide (Flusapex drops)
controls excess fluid retention such as pulmonary oedema and ascites.

Spironolactone
The primary benefit of spironolactone in this situation is thought to be aldosterone antagonism in RAAS.

Diet – High calorie, moderate protein, low sodium and the addition of omega-3 fatty acids.



References - ACVIM consensus guidelines for the diagnosis and treatment of myxomatous mitral valve disease in dogs. Bruce W. Keene¹ | Clarke E. Atkins¹ | John D. Bonagura^{1,2} | Philip R. Fox³ | Jens Häggström⁴ | Virginia Luis Fuentes⁵ | Mark A. Oyama⁶ | John E. Rush⁷ | Rebecca Stepien⁸ | Masami Uechi. Journal. Vet Int Med, 2019; 1-14.

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