



EQUICARDIO

Veterinary Specialist

**Equine Cardiology
Consultant**



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

**Faculty of
Veterinary Science**

Fakulteit Veeartsenykunde
Lefapha la Disaense tša Bongakadiriwa



We evaluate your patients with...

Heart murmurs

Arrhythmias

Poor performance

To see is to know, not to see is to guess!

We come to you...

- Your veterinary practice
- Your client's stables
- Anywhere in South Africa

Or you come to us...

- Onderstepoort Veterinary Academic Hospital

Our services



Echocardiography

The echocardiographic evaluation of the heart includes a comprehensive ultrasound examination with a state-of-the-art mobile cardiac ultrasound machine (GE Vivid iq) and phased-array probe. During the examination a series of recordings are obtained using different echocardiographic modalities (2D imaging, M-Mode, PW-TDI, CFM). A range of specific measurements are performed offline to evaluate cardiac function and anatomic structures.



Electrocardiography (ECG)

The ECG examination is performed with a special telemetric ECG device (Televet) for horses. Depending on the type of arrhythmia resting ECG, 24h Holter ECG and exercise ECG can be performed. The horses ECG is evaluated for obvious arrhythmias in real time and the ECG recording is later analyzed in detail with specific computer software.



Poor performance evaluation

Individually designed exercise tests are performed to evaluate the cardiovascular system during exercise. This includes an exercise ECG and detailed analysis. We can arrange to perform a respiratory and musculoskeletal examination if necessary.



Dr. Christina Eberhardt

Dr. med. vet., Dipl. ACVIM-LA, Dipl. ECEIM



*American and European board certified
specialist in equine internal medicine
(ACVIM & ECEIM)*

Fellow in equine cardiology

Dr. Christina Eberhardt graduated from the Veterinary Faculty of the Ludwig-Maximilians University of Munich, Germany. After working in equine private practice in Germany for several years, she completed the ACVIM-LA residency program and a fellowship in equine cardiology at the University of Zurich, Switzerland.

Dr. Eberhardt has worked as a senior clinician and lecturer at the University of Zurich until 2020. She is an active researcher in equine cardiology and has published several articles in peer-reviewed journals.

Dr. Eberhardt moved to Port Elizabeth with her South African husband. She enjoys horse riding, trail running, baking and walking her dog, Joey.





When to consider referral of a patient?

Heart murmurs

- Previously diagnosed “functional” murmur that is louder on serial examination
- Grade 3-6/6 left-sided murmur consistent with MR or AR
- Grade 4-6/6 right-sided systolic murmur consistent with TR
- VSD or other congenital defect suspected
- Continuous or combined systolic & diastolic murmur
- Murmur during pre-purchase examination
- Murmur associated with cardiac arrhythmias

Arrhythmias

- Irregular arrhythmias at rest
- Arrhythmias during or in the immediate period after exercise
- Regular arrhythmias that persist with exercise

Poor performance / History of collapse

- No indication for musculoskeletal causes
- Poor performance associated with heart murmurs or arrhythmias

What to expect if you refer a patient?

We will perform a comprehensive examination of the patient at your client's stables, your veterinary hospital or at Onderstepoort Veterinary Academic Hospital. We will then analyze the echocardiogram and ECG offline and perform relevant measurements. A comprehensive report including all relevant data and recommendation will be sent to you and the client.





Your Equine Cardiology Consultant

Dr. Christina Eberhardt, Dipl. ACVIM, Dipl. ECEIM

- Veterinary specialist in equine internal medicine and fellow in equine cardiology
- Cutting edge equipment for echocardiography and electrocardiography
- Comprehensive cardiac examination for a detailed assessment of your patient's cardiovascular system



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We are here to support you and your clients!