

## Special Issue

# Detection of Myocardial Dysfunction in Dogs and Cats with Heart Disease

### Message from the Guest Editor

The myocardial function is important in dogs and cats with heart disease, especially in dogs with myxomatous mitral valve disease who develop myocardial dysfunction at the congestive heart failure stage conjunction with hemodynamic dysfunction.

Cardiomyopathy in dogs and cats is thought to be primarily caused by myocardial lesions, possibly involving the deterioration of the myocardial function. To date, various echocardiographic applications, including tissue Doppler, and newly developed speckle tracking techniques capable of quantifying the myocardial function have been demonstrated in dogs and cats with heart disease. Additionally, cardiac biomarkers, including natriuretic peptide and troponin measurements, have also begun to spread, these indices possibly being useful tools for the detection of myocardial dysfunction. This Special Issue aims to focus on myocardial function in dogs and cats with heart disease. Research areas may include, but are not limited to, the following: cardiology, echocardiography, electrocardiography, cardiac biomarkers, newly developed cardiology diagnostic tools, cardiac physiology, cardiovascular pharmacology, and comparative pathology.

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### Guest Editor

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### Deadline for manuscript submissions

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## Veterinary Sciences

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Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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