

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.

Guest Editor

Dr. Ryohei Suzuki

Laboratory of Veterinary Internal Medicine, School of Veterinary Medicine, Faculty of Veterinary Science, Nippon Veterinary and Life Science University, Tokyo, Japan

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Veterinary Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vetsci@mdpi.com

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Message from the Editor-in-Chief

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).

Editor-in-Chief

Prof. Dr. Patrick Butaye

1. Department of Pathobiology, Pharmacology and Zoological Medicine, Faculty of Veterinary Medicine, Ghent University, Salisburylaan 133, B9820 Merelbeke, Belgium

2. Department of Infectious Diseases and Public Health, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, 31 To Yuen Street, Kowloon, Hong Kong SAR 999077, China

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