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Comment

This issue of Progress in Medicine was prepared by a team of the Department of Clinical Physiology of the Centre of Postgraduate Medical Education along with invited guests. It is mainly focused on our principal research focus, heart failure and associated topics.

You will find here three research papers dealing with analysis of function of a failing heart using pressure-volume loops and Bainbridge's reflex as well as relation between pacing frequency and isolated cardiomyocyte shortening. All in the rat heart model.

Another five papers are review articles discussing an up to date problem of iron metabolism in the failing heart, cardiac fibrosis in arrhythmogenesis and role of troponins in molecular mechanism of contraction and relaxation. At the end you will find an article dealing with proatherogenic role of an oxidative stress and a paper on intracellular calcium oscillations in mammalian oocytes.

Enjoy

Michał Mączewski, MD, PhD
Urszula Mackiewicz, MD, PhD