



Atrial fibrillation and ischemic heart disease

Atrial Fibrillation (AF) is the most common arrhythmia and is becoming a major public health burden in developed and developing countries. On top of increasing mortality, AF induces several disabling symptoms such as palpitations, decreased exercise tolerance, and pulmonary congestion. In addition, AF patients may experience ischemic heart disease (IHD) symptoms and signs, attributable to alterations of the myocardial perfusion, even in the absence of classical obstructive coronary artery disease. Despite the relevant epidemiology of both conditions, however, the mechanisms proposed and the effects of the relationship of AF and IHD are, to date, under-assessed.

Aim of the present Special Issue is to invite experts in the field to explore the following aspects of the AF/IHD correlation:

- atrial fibrillation and ischemic heart disease epidemiology
- heart rhythm and coronary blood flow physiology
- computational models of coronary circulation during atrial fibrillation
- anticoagulation in patients with atrial fibrillation and ischemic heart disease
- Clinical case of ischemic heart disease in patients with atrial fibrillation

Thanks to your great contributions, in the opinion of the Guest Editor, the present Special Issue will provide valuable insights.

Guest Editor(s):



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Message from the Editor-in-Chief

Reviews in Cardiovascular Medicine was launched in 2000 by MedReviews, LLC, in New York, NY. This journal was conceived to fill a critical gap for clinicians who were struggling with a rapidly expanding knowledge base in cardiovascular medicine with the convergence of basic science, clinical epidemiology, and therapeutic clinical trials. The founding co-editors were David P. Faxon, MD, past president of the American Heart Association, and Norman E. Lepor, MD, who is considered a luminary in interventional cardiology. The contributing editorial board grew over time and Dr. Peter A. McCullough, MD, MPH ascended from contributing, to associate, to co-editor of the Journal. In 2018, the Journal took its next big step under the leadership of Dr. McCullough as editor-in-chief to become a truly international publication. Its offices moved to IMR Press in Hong Kong, and the editorial board was made more inclusive and representative of the world-wide contributors in academic cardiology. Additionally, the journal brought on expertise in translational medicine to help face the future of molecular medicine and its role in cardiovascular disease. Today Reviews in Cardiovascular Medicine is considered a top tier journal in cardiology with timely and comprehensive reviews covering all aspects of cardiovascular medicine including atherosclerosis, myocardial disease, arrhythmias, and valvular heart disease. The scope of papers ranges from population science, applied basic investigation, in-vitro diagnostics, and evidence-based strategy and therapeutic trials involving both pharmacologic intervention and interventional devices. The highly integrative style of the Journal anchored with evidence tables and instructive figures has garnered many citations over the years and many guidelines documents have relied upon works published in Reviews in Cardiovascular Medicine. Supplement and focus issues have been very popular among the readership and often are viewed as the most up-to-date compilations of new knowledge in cardiology and related specialties. The future is bright for academic cardiovascular medicine and Reviews in Cardiovascular Medicine is well positioned alongside the clinician-investigator in the years to come as a trusted source of critical information and analysis.

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