Preface

As a celebration of the new year, we are delighted to present the first issue for the *Current Cardiology Reviews* (CCR). There are totally eight articles depicting new approaches, novel technologies and uncharted territories in cardiology, which are under intense investigation clinically.

In this issue, we have selected several interesting papers, dealing with arrhythmias. Sarquella-Brugada *et al.* summarized the clinical value and cost-effectiveness of electrocardiogram screening and genetic analysis in the neonatal population, while Al-Ghamdi provided a nice overview of the principles for the subcutaneous implantable cardioverter defibrillators system, covering very basic components, such as implantation procedure, clinical indications, safety, efficacy, and future directions. Immunology is such a hot topic for the past year in medicine, Chera *et al.* has kept us warm during the winter season by elucidating the same topic about the relationship between anti-cardiomyocyte autoantibodies and sudden cardiac death which is related to the area of autoimmune disorders. Another interesting concept reviewed by Marinheiro *et al.* demonstrated that ventricular arrhythmias could be secondary, caused by, Obstructive Sleep Apnea (OSA), and this explains why treatment of OSA with continuous positive airway pressure therapy could potentially prevent the occurrence of VA.

Although both Cardiac Magnetic Resonance (CMR) and coronary computed tomography angiography (CTA) have established their paramount roles in imaging coronary artery diseases, Muser *et al.* reviewed the extended roles of CMR imaging in identifying the substrate within the heart for generating and maintaining so called “idiopathic ventricular arrhythmias (VA)” which is becoming more and more important for helping the clinicians in managing the risk stratification of the patients who undergo either interventional ablation procedure or ICD transplantation. In parallel, following this, Oda *et al.* summarizes the basic concepts and the protocols in their review paper of “contrast injection for coronary CTA”.

As always, cardio-reno crosstalk is an important issue and in fact cardioreno syndrome has long been ignored in the clinical practice and medical research. This topic about relationship between Chronic Kidney Disease (CKD) and Cardiovascular Disease (CVD) also has taken a very important position in this issue. Vallianou *et al.* examined both traditional and novel risk factors of both CKD and CVD and how they relate to each other. Correspondingly, Naranjo *et al.* instead carefully reviewed the patho-physiological effects of pulmonary hypertension on acute kidney injury, progression of CKD and kidney transplant outcomes. Thus, the pathophysiological changes have been emphasized as a systemic level.

I believe all papers in this issue have provided unique points of view and can serve as a feast to our readers for celebrating the new year. And I do hope that more excellent papers will be submitted to our journal which will serve our enthusiastic readers in a better way and make our journal an excellent source for cardiovascular medicine. It certainly will not be possible without the continuous supports from the readers and great efforts by authors.

Finally, representing “*Current Cardiology Reviews*”, I wish all of you a wonderful and fruitful new year.

Jian'an Wang

Editor-in-Chief

President

The Second Affiliated Hospital
Zhejiang University School of Medicine
Hangzhou, China