Special Issue

Type 2 Diabetes and Cardiovascular Disease: Pathophysiological Mechanisms and Effects of SGLT-2i and GLP-1RAs

Message from the Guest Editors

Type 2 diabetes (T2DM) is an independent risk factor for ischemic heart disease, stroke, and heart failure, and cardiovascular diseases (CVD) are the main cause of mortality and morbidity in patients with T2DM. The prevention of cardiovascular events is a key goal in the management of patients with T2DM. Recent evidence from cardiovascular outcomes trials (CVOTs) demonstrated the benefits of the new classes of antihyperglycemic drugs—sodium-glucose-cotransporter-2 (SGLT2) inhibitors and glucagon-like peptide-1 (GLP-1) receptor agonists—on the cardiovascular outcomes. However, the mechanisms through which treatments with SGLT-2i and GLP-1RAs are associated with an improvement in cardiovascular outcomes are not fully understood. This Special Issue aims to publish original research and review articles concerning significant findings in the field of type 2 diabetes and CVD, in order to explore more processes that contribute to a better understanding of the pathophysiology of cardiovascular disease in patients with T2DM and to learn about new research on the CV protection mechanisms of SGLT-2i and GLP-1RAs.

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