

Special Issue

Inflammatory Disturbances in Cerebrovascular and Cardiovascular Diseases

Message from the Guest Editors

Cardiovascular disease (CVD) is the leading cause of death globally, taking an estimated 17 million lives each year. Approximately 80% of CVD deaths are due to heart attacks and stroke. Inflammation constitutes a hallmark of CVD development and contributes to atherosclerosis, myocardial infarction, heart failure, and hypertension. A rich body of literature demonstrates that acute or chronic inflammation is associated with the increased risk of CVD and may be an important determinant of outcomes. Indeed, post-stroke inflammation and immunodepression may increase the risk of infections such as pneumonia and negatively impact the disease outcome. Immunomodulatory approaches to managing multiple CVDs are gaining interest. The main objective of this Special Issue is to enhance our basic understanding by identifying novel targets and mechanisms of inflammatory disturbances in CVD. Potential study topics include, but are not limited to, immune target identification, models of immune cell deletion, immunomodulatory therapy, and the spatiotemporal distribution of immune cells and cytokines/chemokine in the context of CVDs.

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