

Special Issue

The Application of Mechanical Circulatory Support Within Cardiology Practice

Message from the Guest Editor

I hope this mail finds you well.

The primary objectives of mechanical circulatory support (MCS) for cardiogenic shock are the stabilization of hemodynamics and the prevention of multiple organ failure. To maximize the effectiveness of MCS, it is essential to fully understand the characteristics of the increasingly diverse devices and to use them appropriately. When hemodynamic improvement cannot be achieved with less invasive percutaneous MCS, or when adverse events such as thrombosis occur, escalation to central ECMO or extracorporeal VAD, although more invasive, should be applied without hesitation.

In the acute phase, MCS serves not only as an unloading therapy for the heart and lungs but also plays a crucial role in support of cardiopulmonary and systemic organ functions, acting as a bridge to decision for subsequent treatments. The purpose of this special issue is to establish a current consensus on “which type of MCS should be applied, to which patients, and at what timing.” Given your experience in the field, I do hope you will consider submitting an article. In this Special Issue, original research article and reviews are welcome.

Guest Editor

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