

Special Issue

Recent Advances in Aortic Arch Surgery

Message from the Guest Editors

Aortic arch surgery has evolved significantly with regard to perioperative management, surgical strategies and commercially available devices over the past 10 years. As one of the most challenging and complex endeavours in modern cardiovascular surgery, successful aortic arch surgery requires thorough preoperative planning by a dedicated interdisciplinary aortic team. Organ protection by temperature management, use of various cannulation sites and the application of intraoperative neuromonitoring are key factors that have to be considered by the operating surgeon in the elective and emergent setting and are under constant advancement to further reduce the operative morbidity and mortality in high-risk patients. This special Issue aims to explore the latest updates in the management of open, hybrid and endovascular aortic arch surgery. Recent developments and the current trends to successfully treat the aortic arch are thoroughly discussed by leading experts in the context of new experimental and recent clinical studies.

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