

Special Issue

Aortic Surgery: State of the Art and Future Directions

Message from the Guest Editor

Aortic surgery stands at a pivotal juncture. With the recent recognition by the EACTS of the aorta as an organ in its own right, the field has entered a new era—one that demands a deeper understanding of aortic structure and function, as well as continuous development of treatment strategies. Advances in open and hybrid surgical techniques, along with developments in imaging, and device technology, are expanding the possibilities for durable, anatomy-preserving repair. However, major challenges remain: achieving long-term procedural durability, optimizing timing and patient selection, and translating innovation into measurable improvements in outcomes.

This Special Issue will capture both the current landscape and the future directions of aortic surgery at this defining crossroad. We welcome original research on novel surgical and hybrid approaches. We also encourage outcome analyses and institutional experiences from established centers and multidisciplinary teams. By bringing together clinical, surgical, and scientific expertise, this Special Issue will define the state of the art today and highlight the advances shaping the future of aortic therapy.

Guest Editor

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