

## THORACAL AORTIC PATHOLOGY SURGERY

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### INTRODUCTION

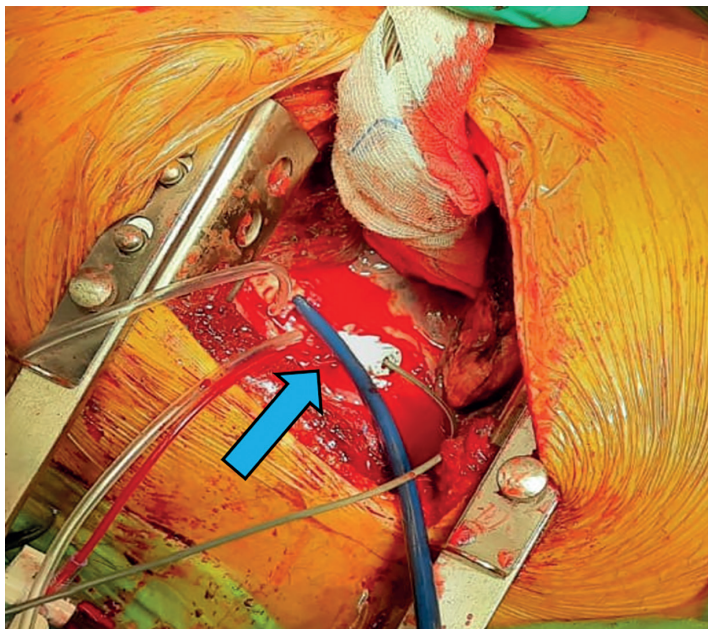
Thoracic aorta; starting from the point where the aorta exits from the left ventricle, it has an important role in the transmission of systemic arterial circulation to all organs (Figure 1). That's why; regardless of the reason, all diseases related to the involvement of the thoracic aorta are important. Noting that in the relevant sections of the book, two main diseases will be explained under the titles “thoracic aortic aneurysm” and “thoracic aortic dissection”.

The thoracic aorta is mainly studied in three main sections.

1. Ascending aorta (It is the area from the root of the aorta to the beginning of the innominate artery. It is explained in detail in the relevant section of the book)
2. Arcus aorta and its branches (from the beginning of the innominate artery to the end of the left subclavian artery)
3. Descending aorta (starts from the left subclavian artery and ends at the level of the diaphragm.)

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Recently, the successful results of the use of endovascular stent grafts in the treatment of descending thoracic aortic aneurysms have come to the fore in aneurysm repair. This subject is discussed in detail in the relevant section.



**Figure 9.** Surgery of descending aortic aneurysm with thoracotomy

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