

## Advanced care for aortic conditions

The aorta is the largest blood vessel in the body. It runs from your heart to your abdomen and gives off important blood vessels to other organs.

The University of Rochester Medical Center is the only area center that can provide total care for problems of the aorta. This includes aortic aneurysms, dissections, traumatic tears, congenital abnormalities and occlusions. We have the only full service center that can offer patients both open and percutaneous treatments of aortic problems.

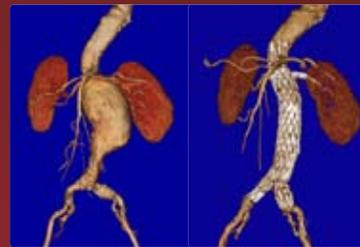
An aneurysm is an unnatural swelling of an artery that threatens both life and limb. When an aneurysm bursts, the chance of death is about 95%. Only the University of Rochester has the ability to treat complex aneurysms of both the chest and abdomen.

The URMC Heart & Vascular Center is considered one of the world's leading institutions for the treatment of aortic aneurysms and related conditions. Thanks to developments made at URMC, we are able to treat most

aortic aneurysms with minimally invasive approaches and have been doing so for over a decade.

### How we are leading the world in care for aortic aneurysms.

- Because of the highly advanced care we provide for aneurysms, other area hospitals send their most complex aortic repairs to us.
- We have a long history of leading the world in vascular surgery. Endovascular (minimally invasive) surgery to repair aortic aneurysms was largely developed at URMC in the 90s.
- We are a leader in the treatment of complex aortic aneurysms, using branch grafts and custom-positioned holes—or fenestrations—to accommodate arteries that branch off from the aorta.
- We are heavily involved in clinical trials of new aortic devices. These devices are not available anywhere else in the Rochester area. In many cases, we are the number one enroller in the nation.



Our vascular surgeons are among the most experienced in the nation at fixing aneurysms. We have the only center in the

Western New York region that can treat aneurysms involving both the chest and abdomen known as thoracoabdominal aortic aneurysms. We are among only a few select centers in the entire United States that can fix these aneurysms without major open surgery.



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MEDICAL CENTER

## A dedicated aneurysm repair team.

The URMCC Heart & Vascular Center provides the area's most experienced and highly trained team for aneurysm repairs.

Our team includes vascular surgeons, cardiothoracic surgeons, endovascular specialists, cardiovascular anesthesiologists, cardiologists, vascular radiologists, nurse practitioners and social workers. This team meets regularly to review results and to collaborate on finding ways to improve our care.

We also take the additional step of working with top biomechanical engineers at area universities. Through our work with them, we are able to offer patients new, highly customized devices that are not available anywhere else in the world.

## Conditions we treat.

At the URMCC Heart & Vascular Center, we treat the full range of aortic conditions. We are the only center within several hundred miles that offers care for some of the most complex and serious conditions.

- Ascending aortic aneurysms
- Aortic arch aneurysms
- Descending thoracic aortic aneurysms
- Thoraco-abdominal aortic aneurysms
- Paravisceral aortic aneurysms
- Abdominal aortic aneurysms
- Aortic Dissections
- Acute and chronic type A dissections (involving the ascending aorta and arch)
- Acute and chronic B dissections (involving the descending aorta)
- Congenital aortic disease
- Aorto-iliac occlusive disease
- Arterial thrombo-embolic disease
- Traumatic aortic tears
- Thoracic and abdominal aortic graft infections

## Treatments we provide.

The URMCC Heart & Vascular Center offers the most advanced surgical techniques in the area. We are the only area center that is actually developing new techniques and technology.

We perform most of our procedures in an endovascular fashion. The minimally invasive nature of these procedures results in a faster recovery. Patients typically return home in days, as opposed to weeks after a traditional procedure.

- Thoracic aortic endovascular grafts
- Thoracic aortic endovascular grafting in combination with aortic arch debranching
- Endovascular aortic endografts
- Endovascular aortic endografts in combination with visceral debranching
- Fenestrated and branched stent grafting for thoraco-abdominal aortic aneurysms
- Catheter-based treatment of aortic dissections
- Angioplasty and stenting of aortic coarctations

One number for excellent care. For more information on our care for aortic conditions, or to set up an appointment, please call us today. With just one phone number for every heart and vascular need, we make getting the care you need simple: **call 585-275-2877** or visit us at [heart.urmc.edu](http://heart.urmc.edu).

