The Renal and Mesenteric Artery Disease Treatment Program at the Massachusetts General Hospital Fireman Vascular Center offers advanced diagnostic techniques and innovative treatments for patients with renal or mesenteric vascular disease.

A MULTIDISCIPLINARY APPROACH TO VASCULAR CARE
The Massachusetts General Hospital Fireman Vascular Center is one of the only vascular centers in the country with specialists in every area of vascular disease. Our Renal and Mesenteric Artery Disease Treatment Program brings together a team of clinicians from multiple disciplines to provide care from many perspectives, including:

- Vascular medicine and cardiology
- Vascular and endovascular surgery
- Cardiovascular imaging
- Interventional radiology
- Nephrology and hypertension

Our clinicians are leaders in the diagnosis and treatment of visceral vascular disease, the narrowing or blockage of arteries that supply blood to the kidneys (renal vascular disease) or the intestines (mesenteric vascular disease).

We work together with the patient and referring physician to coordinate personalized treatment plans for all patients, which may include medical, surgical, and minimally-invasive treatment options.

SPECIALISTS DEDICATED TO VASCULAR IMAGING
To accurately diagnose renal and mesenteric vascular disease, our team includes vascular imaging specialists board certified in medicine, surgery or radiology and fellowship trained with additional specialization in vascular care, including procedures to restore blood flow to narrowed arteries.

Depending on the patient, we may use one or more techniques to diagnose visceral vascular disease, including:

- Duplex ultrasonography (ultrasound)
- Computed tomography angiography (CTA)
- Magnetic resonance angiography (MRA)

All of our diagnostic tests are also available at our convenient Waltham location.

DECADES OF EXPERIENCE MANAGING VISCERAL VASCULAR DISEASE
Our approach to treating visceral vascular disease involves developing a personalized treatment plan for each patient that focuses on easing symptoms, managing hypertension (a possible complication of renal vascular disease) and restoring organ function.

Additionally, we collaborate with the Corrigan Minehan Heart Center at Massachusetts General Hospital and the divisions of Nephrology, Cardiology and Endocrinology to offer a Resistant Hypertension Program, which specializes in the evaluation, diagnosis and management of patients with resistant or difficult-to-treat hypertension. Treatment is determined according to a patient’s symptoms, coexisting conditions and the severity of visceral vascular disease.

To request an appointment or a second opinion, call 877-644-8346 massgeneral.org/renal-artery-appointment
MEDICAL AND PREVENTIVE TREATMENTS
Part of a world-class academic medical center, Fireman Vascular Center clinicians are leaders in their field. Our decades of experience researching and managing renal and mesenteric vascular disease allow us to recognize when to use medical, rather than interventional, therapies. Our clinicians often recommend medications and lifestyle changes to manage high cholesterol and high blood pressure — two conditions that may contribute to visceral vascular disease. For example, we have expert nephrologists who work closely with patients to control high blood pressure caused by the effects of renal vascular disease on the kidneys. Our vascular specialists also guide patients through smoking cessation and other lifestyle changes, and may refer them to cardiologists at the Corrigan Minehan Heart Center for related cardiac conditions. These dedicated physicians follow patients throughout their lives to ensure ongoing support and further treatment, if needed.

ADVANCED INTERVENTIONAL TECHNIQUES
Clinicians in the Renal and Mesenteric Artery Disease Treatment Program are national leaders in using endovascular and surgical therapies to treat patients with visceral vascular disease. Such interventional treatments include:

- **Angioplasty and stenting:** In this technique, a balloon-tipped catheter is threaded through the affected artery to expand it. A stent, which is a tiny metal-mesh tube, may be inserted to keep the artery open. Angioplasty and stenting is less invasive than open surgery and results in faster recovery times.

- **Transaortic endarterectomy:** In this procedure, plaque is surgically removed from blocked mesenteric arteries.

- **Surgical bypass:** This intervention re-routes blood flow around the diseased artery.

NATIONAL LEADERS IN OUR FIELD
The Fireman Vascular Center has a long tradition of excellence in clinical care, and our clinicians are national leaders in the diagnosis and treatment of visceral vascular disease. All of our physicians are at the forefront of new research and serve on many national and international professional boards and societies. Physicians within the Renal and Mesenteric Artery Disease Treatment Program are also committed to education. Many of the physicians share their perspective with other medical professionals through national conferences such as the Mass General Vascular Summit, an annual symposium with representatives from vascular programs around the world, developed and sponsored by the Mass General Fireman Vascular Center.

INNOVATIVE RESEARCH AND CLINICAL TRIALS
The Renal and Mesenteric Artery Disease Treatment Program offers patients access to national clinical studies evaluating new technologies and devices. These trials allow us to bring our patients promising new treatments as quickly as possible. Patients interested in participating in clinical trials should talk with their physician. Additional information can be found at massgeneral.org/vascularcenter/research.

ONE CALL COORDINATES CARE
877-644-8346
Our dedicated nurse coordinator is available Monday through Friday from 8:30 am to 5:00 pm to take relevant information about your condition and symptoms and to make a timely appointment with the most appropriate specialist. We strive to see patients as soon as possible and assign every patient one clinician to organize care between members of our multidisciplinary team. From diagnosis to treatment and follow-up, this physician guides patients through the treatment process.