

## Vascular Surgery

**Director** KOMORI, Kimihiro (Professor)

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Vascular disease specialists hold a full-time position and have high expertise

We perform diagnosis and treatment of vascular diseases (e.g. arteries, veins, lymph vessels), aneurysm, and peripheral arterial disease (surgical treatment, stent graft, and endovascular treatment).

### Medical Care System

A total of six personnel consisting of seven academic personnel including Professor Kimihiro Komori and other hospital staff, etc. perform diagnosis of and provide medical care for all vascular diseases. The outpatient clinic days are Monday, Wednesday, and Friday, and treatment days are Monday, Tuesday, and Thursday; however, we also accept emergency patients every day.



### Target Disease

All vascular diseases. Arterial disease includes aortic aneurysm (thoracic, thoracoabdominal, and abdominal), arteriosclerosis obliterans, Buerger's disease, carotid artery stenosis, and renal artery stenosis; venous disease includes varicose veins of the lower extremities and deep vein thrombosis; lymphatic disease includes lymphedema.



### Strong Fields

For thoracic and abdominal aortic aneurysm, we have performed stent graft implantations as well as surgery. For patients with peripheral arterial occlusive disease, we perform bypass surgery and endovascular treatment suitable for the clinical conditions; for patients in whom revascularization is difficult, we perform angiogenic therapy.

### Clinical Results

In 2011, we treated 124 patients with abdominal (iliac) aortic aneurysm (stent graft implantation: 65 patients), performed stent graft implantation for thoracic aortic aneurysm in 31 patients, PAD in 112 patients (of whom 26 patients received bypass surgery), and treated varices in 37 patients.

### Specialized Outpatient Clinic

The expertise of vascular surgery specialists is extremely high because not all hospitals have the department of vascular surgery: five cardiovascular surgery specialists; five vascular specialists; and, four stent graft supervising doctors hold full-time positions in our department.

### Advanced Medicine and Research

For advanced medicine, we perform angiogenic therapy using autologous bone marrow cell transplantation. We are involved in the elucidation of the origin of vascular intimal hypertrophy and its control by gene therapy, elucidation of the origin of aneurysm, improvement of treatment results of stent graft implantation, and molecular biological research on inflammatory vascular disease.

## Transplantation Surgery

**Director** OGURA, Yasuhiro (Clinical Associate Professor)

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The best system accommodating the ever-growing transplantation therapy

We treat advanced liver disease mainly by liver transplantation from live and brain-dead donors. We also provide management of donors and transplantation counseling.

### Medical Care System

Based on the treatment information and interviews with the patient and family, we evaluate the necessity, safety, and efficacy of transplantation therapy. In cooperation with the personnel in each field and with the support of transplant coordinators, we perform liver transplantation from live and brain-dead donors, establishing a lifelong medical care system for donors.

### Target Disease

Liver transplantation for fulminant hepatitis, hepatic cirrhosis, hepatocellular carcinoma, primary biliary cirrhosis, primary sclerosing cholangitis, progressive intrahepatic cholestasis, multiple hepatic cysts, biliary atresia, Caroli's disease, congenital metabolic liver disease, Alagille syndrome, Budd-Chiari syndrome, etc.

### Strong Fields

Our technique of liver transplantation therapy for adults and children is highly evaluated, and we receive many inquiries from other facilities regarding issues such as blood type incompatible transplantation. We provide a care system that takes into account mental and social aspects as well as physical aspects of living donors.

### Clinical Results

Our department is a certified facility for liver transplantation from brain-dead donors (22 facilities nationwide) as well as a facility for liver transplantation from live donors, and we regularly perform liver transplantation therapy for various liver diseases. Although treatment results differ depending on the condition of the disease, recently, the one-year survival rate has been more than 90%.

### Specialized Outpatient Clinic

In addition to the "postoperative outpatient clinic for liver transplant recipients," we have a "postoperative outpatient clinic for living Liver donors," where we accept patients who underwent surgery at other facilities. In addition to the ordinary outpatient clinic, our department has a reservation-based "outpatient clinic for transplantation counseling" and provides counseling of about two hours for each session.



### Advanced Medicine and Research

Transplantation therapy itself is advanced medicine; in addition to making efforts to improve the technical aspects of surgery, for example, we conduct research on issues such as control of implant infection, post-transplant vaccination, control of post-transplant viral hepatitis, control of recurrence of hepatocellular carcinoma, control of fibrosis of transplanted liver, and blood type incompatible transplantation.

