

## Cardiac Surgery

**Acting Director** USUI, Akihiko (Associate Professor)

3E

We protect your heart with our 24-hour-available team medical care system

We annually perform about 250 surgeries for acquired heart disease and thoracic aortic disease.

### Medical Care System

We provide 24-hour quick response service with our team medical care system consisting of 13 staff members; an on-duty doctor is always available both during the day shift and the night shift.

### Target Disease

Valvular heart disease (aortic stenosis / regurgitation, mitral stenosis / regurgitation), ischemic heart disease, thoracic and thoracoabdominal aortic aneurysm, adult congenital heart disease, and arrhythmia.

### Strong Fields

Aortic arch surgery and thoracoabdominal aortic surgery requiring protection of the brain and spinal cord, mitral valve repair and aortic valve sparing operation, CABG using arterial grafts, surgery for atrial fibrillation, and beating-heart surgery for severe heart failure.

### Clinical Results

We perform about 300 surgeries of cardiac and thoracic major vessels including surgeries for cardiac valvulopathy in about 80 patients, coronary artery bypass surgeries in about 100 patients, and surgeries of the thoracic aorta in about 100 patients. The surgical mortality rate of 1,172 patients undergoing surgery in the last five years is 1.7 %.

### Specialized Outpatient Clinic

Monday, Tuesday, Wednesday, and Friday: acquired heart disease and aortic disease  
1<sup>st</sup> and 3<sup>rd</sup> Thursday: pacemaker clinic

### Advanced Medicine and Research

We use a ventricular assist device for severe heart failure, and perform hybrid therapy for thoracic aortic aneurysm combining blood vessel prosthesis implantation with stenting.



## Plastic and Reconstructive Surgery

**Director** KAMEI, Yuzuru (Professor)

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We make efforts as a team for the future of patients

Our department makes efforts to correct various conditions, whose appearance is different from normal because of reasons such as tumor and injury, to as close to normal as possible.

### Medical Care System

Our department, consisting of one professor, one associate professor, one lecturer, two assistant professors, and three doctors, aims to provide more advanced and safer medicine. We provide team medical care: we hold a conference for each patient including new patients to determine therapeutic options.

### Target Disease

We mainly perform reconstructive surgery including reconstruction after malignant tumor resection, abnormality of ears, hands and feet, cleft lip, funnel chest, reconstruction after injury, birth mark, keloid, scar, ptosis, umbilical hernia, microtia, and absent breast. We also perform plastic surgery for the improvement of QOL.

### Strong Fields

Reconstruction using microsurgery after malignant tumor resection or injury, delayed healing of surgical wound or after injury, intractable ulcer including intractable ulcer associated with diabetes, microtia, congenital anomaly of hands and feet, funnel chest, breast reconstruction, etc.

### Clinical Results

Yearly we perform 140 or more reconstructions after tumor excision, especially those using microsurgery, with a success rate of 98%. We have performed treatment including reconstruction of intractable ulcer in a large number of patients and achieved excellent results.

### Specialized Outpatient Clinic

We have outpatient clinics such as a tumor outpatient clinic, intractable ulcer outpatient clinic, pediatric plastic outpatient clinic, endoscopy outpatient clinic, and breast outpatient clinic. We also provide second opinions.

### Advanced Medicine and Research

Even if there are no satisfactory blood vessels of the graft bed near the defect, we can safely perform microsurgery by vascular anastomosis at two sites using omentum. In addition, we perform cultured skin grafting and conduct research on regenerative medicine.

