



TOBB ETU HOSPITAL

University of TOBB
Medical Faculty
Cardiovascular Surgery

Most Eminent Cardiac Team of the World

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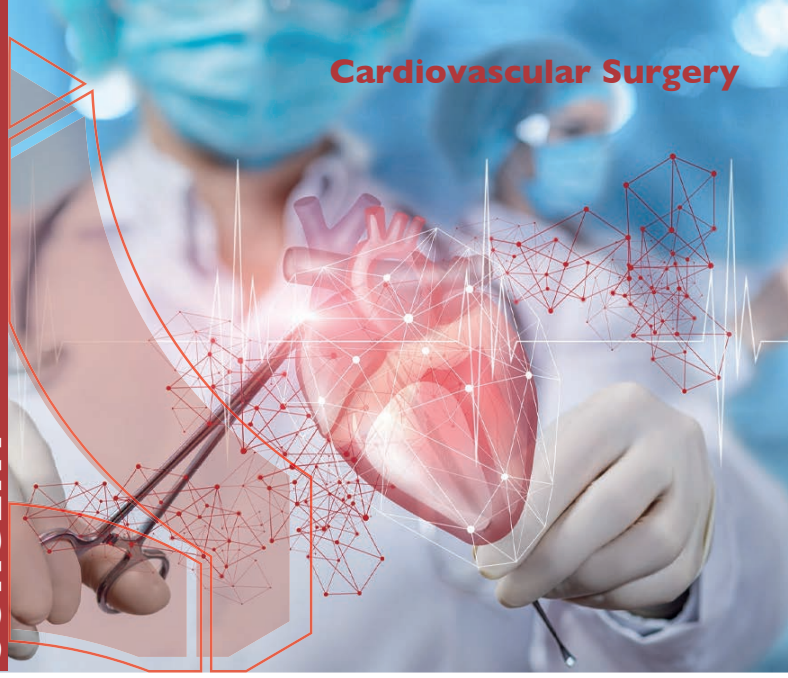
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**CARDIOVASCULAR
SURGERY**

Cardiovascular Surgery



No Matter Where You Live, We Are Here to Help You

No matter where you live or where you are from, we are here to help you. University of TOBB ETU, Cardiovascular Surgery is one of the best cardiac centers in Turkey. The doctors and nurses work together as a team providing the highest quality of patient care in a tranquil and patient friendly environment aimed at promoting rapid healing and recovery. Due to the high number of cases and good outcomes, Cardiovascular Clinical Experience is at the highest level.

About Center

At University of TOBB ETU, Cardiovascular Surgery in Ankara Turkey, our aim is to reduce the deadly consequences of cardiovascular diseases through innovative therapies for patient care. Our team of cardiac surgeons and nurses with a cumulative experience more than 1,000/year surgeries under the leadership of Prof. Dr. Tayfun Aybek has 32 years expertise in complex heart surgeries including Totally Endoscopic, Minimally Invasive Coronary Bypass or Valve Surgeries, Percutaneous Valve Therapies, Redo Operations and Aortic Surgery as well as Endovascular Repairs. We have 4 dedicated operation theatres with world class infrastructure. University of TOBB ETU, Cardiovascular Surgery team brings the promise of unparalleled excellence in patient care, education and research.

“Cardiac Team”

University of TOBB, Cardiac Center is an integrated healthcare centre with a highly experienced, qualified, and dedicated team of heart surgeons, cardiologists, and radiologists who work in complete coordination to provide comprehensive and multidisciplinary care to patients suffering from various heart ailments. Our Heart Team approach ensures that the patient's evaluation is done by a team of cardiac surgeons, clinical cardiologists and interventional cardiologists so that the patient receives the benefit of comprehensive advice of the highest technical and ethical standard. Our team of researchers, doctors, and dedicated nurses are equipped with latest technologies such as unique hybrid operating suite, totally endoscopic heart surgery, and minimally invasive techniques as well as aortic surgery that offers excellent precision and accuracy.

Topics

Clinically, we perform 82% of all heart surgeries as minimally invasive. Apart from this, we routinely perform Complex Re-Do cases, Complex aortic surgery, Aortic dissections, and endovascular interventions.

Coronary Artery Bypass Grafting Surgery (CABG)

- Full Arterial Bypass
- Minimally Invasive Bypass Surgery (MIDCAB)
- Off-Pump Coronary Artery Bypass Surgery (OPCAB)
- Re-Do Bypass Surgery

Heart Valve Surgery

- Minimally Invasive Aortic Valve Surgery (also Suturless)
- Minimally Invasive Yacoub Procedures
- Minimally Invasive Mitral Repairs and Replacement
- Minimally Invasive Tricuspid Valve Repair or Replacement
- Pulmonary Valve Repairs or Replacement

Aortic Surgery

- Minimally Invasive Replacement of Ascending Aorta
- Aortic Arch Surgery
- Debranching Surgery
- Thoracic Endovascular Aortic Replacement (TEVAR)
- Abdominal Endovascular Aortic Replacement (EVAR)

Adult Congenital Heart Surgery

- Minimally Invasive Atrial Septal Defekt Closure
- Minimally Invasive Ventricular Septal Defekt Closure

Complex Heart Surgery

- Re-Do Heart Surgeries (Bypasses, Valves etc.)
- Challenges
- Low Ejection Fraction
- High Risk Patients



Making Miracles Happen

- Ultra-Mini Replacement of the Aortic Valve
 - 69 years old male, aortic valve stenosis, gradients 90/55 mmHg. Aortic valve replacement was performed via 3.5 cm skin incision. Operative time was 98 minutes, day ICU stay and discharge on 5th postoperative day.
- Ultra-Mini Replacement of the Ascending Aorta
 - 77 years old male with aneurysm of the ascending aorta and aortic valve insufficiency 2.-3. degree. Replacement of the ascending aorta with dacron graft and aortic valve repair was performed via 3.4 cm skin incision. Patient was discharged on the 5th postoperative day in good conditions to home.
- Aortic Dissection
 - 42 years old male patient with aortic dissection Stanford Type A with severe aortic insufficiency and pericardial effusion. He came in cardiogenic shock with lactate levels 14.0 mmol/L. The patient underwent an urgent operation replacement of ascending aorta and aortic arch as well as aortic valve repair with antegrade cerebral perfusion in mild hypothermic conditions (32 degree). Operative time amounted to 130 min. He was extubated on the first postoperative day, and was discharged in good conditions after 5 days to home.
- Minimally Invasive Complex Mitral Valve Repair
 - 52 years old female patient with prolapse of anterior and posterior leaflet of the mitral valve and severe mitral insufficiency. She suffered also from Atrial Fibrillation. She underwent a minimally invasive mitral valve repair via 5 cm right mini thoracotomy and femoral cannulation, including surgical left atrial cryo-ablation. We performed 6 artificial chordae implantation anterior and posterior. Intraoperative TEE examination showed no residual insufficiency. The patient was discharged to home at 5th postoperative day with sinus rhythm.

Minimally Invasive Direct Coronary Bypass (MIDCAB)

- 62 years old male patient with insulin dependent severe diabetes mellitus and coronary disease. He underwent four (4x) coronary bypasses with left internal mammarian artery and saphaneus vein graft via 5 cm skin incision left anterior thoracotomy. Femoral canulation was used for CPB. The patient was discharged on 4th postoperative day under good health conditions to home.

Endovascular Challenge

- 84 years old female patient underwent thoracic and abdominal endovascular repair by thoracic and abdominal aortic aneurysm with a diameter of 65 mm. Total operative time was 160 min. Only 3 cm skin incisions both groin area were performed. The patient was discharged on 2nd postoperative day to home.

Re-Do Case Challenge

Remote Patient Monitoring

All of our patients are followed up with Remote Patient Monitoring Systems during and after their return to their countries after heart surgery. With the high-tech Telemedicine system implemented by the University of TOBB ETÜ, the data is instantly sent to our hospital while the patients perform all their vital measurements (ECG, Blood pressure, Saturation, Blood Sugar, Fever etc.) in their own countries. As if we were moving our hospital to their house, they would be in regular remote follow-up. They are followed instantly by our doctors and nurses in their own language.

This system can also include the doctor in the patient's own country for home care monitoring, thus providing a superior level of communication and consultation between the diagnosing Doctor and the treating Doctor.



International Patients

A leader in the Heart Surgery :

Every year, hundreds of patients from around the world receive treatment at University of TOBB ETÜ. We offer new cardiac treatments, surgical techniques and clinical trials that are only available at a few hospitals in Turkey is known for ground-breaking medical research and specialized care.

Our International Patient Services will organize your treatment packages, provide visa assistance, arrange an airport pickup and provide hotel reservations. A dedicated buddy is assigned to each patient to help in scheduling appointments, support your medical care, help in hospital admissions and discharge as well as other hospital administrative processes

Our International Health Services team can help you plan your visit to TOBB ETU Medical Faculty. Find out how to schedule medical appointments and procedures or set up a video tele-medicine conference. We can also help you find a place to stay, answer your questions about financial issues and health insurance, and more.

Quality Assessment

University of TOBB ETU, Cardiovascular Surgery provides patients outcomes (including mortality rates, long term survival rates, infection rates) comparable and in many cases better than the best hospitals in the world.

With its highest standards of patient care and safety, it comes as no surprise that University of TOBB ETU is accredited by Joint Commission International (JCI) and German Medical and Wellness Association (DMWV).

University of TOBB ETU, Cardiovascular Surgery is one of 5 hospitals in Turkey with mortality rates from coronary artery bypass grafting (CABG) and mitral valve surgeries that are statistically significantly lower than the US average (STS Database).