

# RESEARCH AND CARE FOR ADVANCED HEALTH CARE

*An international partnership  
serving patients*

**UPMC** | **ISMETT**  
Palermo

**IRCCS**  In partenariato con  
la Regione Siciliana



**Excellence and innovation for quality care  
in a safe environment**

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# THE PROJECT

Istituto Mediterraneo per i Trapianti e Terapie ad Alta Specializzazione (ISMETT) is a government-approved research hospital (IRCCS) acknowledged by the Italian Ministry of Health's decree of 12 September 2014.

ISMETT operates in the area of "end-stage organ failure treatment and research".

An example of innovative and efficient clinical management, ISMETT was created as an international partnership between the Region of Sicily, ARNAS Civico Hospital of Palermo, and U.S.-based health care system UPMC.

In June 2017, the Ri.MED Foundation established by the Presidency of the Italian Council of Ministers entered ISMETT's governance.

ISMETT is a center of excellence in the field of organ transplants, cardiothoracic surgery, abdominal surgery, and high specialty therapies.



ISMETT's solid organ transplant programs outcomes are in line with the most prestigious international centers (as documented by official data of the Italian National Transplant Center [CNR]).

ISMETT was the first hospital in Southern Italy to receive accreditation from Joint Commission International (JCI), one of the most advanced accreditation systems to assess the quality and safety of hospital facilities.

JCI accreditation confirms ISMETT's standards of excellence in patient care and safety, and its commitment to continuous improvement of clinical outcomes, management, reception, and its training programs that every year involve hundreds of nurses, physicians, technicians, and administrative staff.



# EXCELLENCE IN HEALTH CARE



Doctors and clinicians come from different parts of the world and work in close contact with UPMC in Pittsburgh, bringing to Palermo their experience and know-how accomplished at UPMC's university and international hospitals.

All ISMETT activities are characterized by a multidisciplinary approach to offer patients cutting-edge therapies using advanced technology services.

ISMETT attracts many patients from the area of the Mediterranean arriving to Sicily to receive qualified care in a facility owned by the Sicilian Region, created based on an U.S. model and partnership.

## FACT SHEET



TOTAL BEDS

**114**

● **20** INTENSIVE CARE UNIT

● **10** PEDIATRICS

● **7** DAY HOSPITAL

ISMETT has 4 operating rooms, a pediatric abdominal unit, clinical, microbiology, and pathology laboratories, a radiology department, a pharmacy, and multi-specialty outpatient clinics.

ISMETT does not have an emergency room. A first visit is booked to access the clinical services.

According to recent data on pediatric transplants, one out of four patients arrives at ISMETT from abroad.

*The collaboration with UPMC brought to Palermo the expertise and professionalism of its worldwide-renowned hospitals, research centers, and universities.*

## ISMETT DATA



**4** OPERATING ROOMS



**1** HYBRID OR

Multifunctional operating room equipped for state-of-the-art cardiovascular interventions



**1** SIMULATION CENTER

A simulation center dedicated to training medical and clinical staff using mannequin robots



**1** GMP FACILITY

# CLINICAL SERVICES

At ISMETT all solid organ transplant programs are performed on adult and (for liver, kidney, and lung transplants) pediatric patients.

ISMETT's services are also made available to patients who do not require a transplant but who suffer from severe diseases that can lead to end-stage organ failure.

ISMETT clinical services include:

## **Department of Anesthesia and Intensive Care**

- Anesthesia and Critical Care

## **Department for the Treatment and Study of Abdominal Diseases and Abdominal Transplants**

- Surgery and Abdominal Transplants
- Hepatology and Gastroenterology
- Nephrology
- Diabetology
- Infectious Diseases
- Medical Oncology
- Clinical Psychology
- Neurology

## **Department for the Treatment and Study of Pediatric Abdominal Diseases and Abdominal Transplants**

- Pediatrics
- Pediatric Abdominal Surgery
- Pediatric Transplants
- Pediatric Hepatology
- Treatment of Rare Diseases
- Biliary Tract Atresia
- Liver Transplant for Biliary Tract Atresia
- Interventional Radiology
- Endoscopy
- Pediatric OPC



### **Department for the Treatment and Study of Cardiothoracic Diseases and Cardiothoracic Transplants**

- Cardiac Surgery and Heart Transplantation
- Cardiology and Cardiac Cath Lab
- Pneumology
- Thoracic Surgery and Lung Transplantation

### **Department of Diagnostic and Therapeutic Services**

- Radiology and Nuclear Medicine
- Digestive Endoscopy
- Pathology

### **Department of Laboratory Medicine and Advanced Biotechnologies**

- Laboratory
- Research Laboratory

### **Day Hospital OPC and Clinical Services**

- Social Workers
- Nutrition Therapy
- Pharmacy



# ISMETT AND SCIENTIFIC RESEARCH

The Institute located in Palermo has 4 research lines. In particular, the Institute invests in advanced therapies as an alternative to transplantation, perfecting surgical techniques aimed at repairing the patient's organ, which could be partially or totally compromised, reserving the complete organ replacement for extreme cases only.

Over the course of ISMETT's activity, it has become ever more evident that organ transplants cannot be the only therapeutic response to vital organ end-stage failure. Although transplants provide excellent clinical results, the lack of balance between organ availability and necessity is such as to identify other therapeutic strategies.

Over the years, ISMETT has intensified its efforts in clinical and basic biomedical research and in developing of new technologies to identify solutions, protocols, and strategies capable of preventing or delaying the end-stage disease of vital organs.





**For further information:**

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