IRTOMIT is a monothematic INSERM unit created in 2012 in the University of Poitiers. The laboratory is located in the university hospital and its main interest remains transplantation study.

Major issue in transplantation

The increased use of transplantation as a therapy is limited by the organ shortage. It promotes a modification of patient demography toward an extension of criteria for donor acceptance and the consideration of new donor sources. Despite an undeniable short term success from these donors, due mainly to major advances in surgery, medicine and research, transplant patients still face the risk of chronic graft dysfunctions and loss. The research projects are based on the previous team work (INSERM U927) and are articulated around five points:

- Improvement of graft preservation conditions
- Study of the mechanisms of ischemia reperfusion injuries on the graft
- Analysis of the innate immune response
- Experimental and clinical evaluation of new technologies to preserve organs
- Study of biomarkers and genetic factors of early and late graft dysfunction

Other highlights

FHU SUPORT

IRTOMIT is part of a FHU SUPORT (SUrival oPtimization in Organ Transplantation). The goal of the SUPORT project is to combine the excellence in healthcare, research and teaching from three centers (Tours, Limoges and Poitiers) to structure the care and optimization of graft and recipient survival. (http://www.fhu-suport.com/fr/accueil/).

MOPICT

IBISA is a technological platforms network involving national research institutes and centers focusing on bio health and agronomy, supported by the Ministry of Higher Education and Research. IRTOMIT takes part in the IBISA initiative in the INRA platform of experimental surgery (MOPICT) located in near-by Surgères.

Congrès IMIRT

Since 2013, the team has been organizing the IMIRT conferences in Poitiers (International Meeting On Ischemia Reperfusion Injuries in Transplantation)

KEYWORDS

GRAFT, ISCHEMIA REPERFUSION, ORGAN PRESERVATION, PRECLINICAL SURGICAL MODEL, BIOMARKERS, GRAFT DYSFUNCTION, INNATE IMMUNITY, DONORS

1 - vascular surgery (MOPICT) / 2 - Preclinical model and clinical evaluation for transplantation / 3 - Imaging : renal microvascularization
