

## **Pius Brnzeu Center for Laparoscopic Surgery and Microsurgery**

The microsurgical activity of our center is focused on both research and teaching.

The research activity is represented by topics involving microsurgical models of organ transplantation, flap preconditioning/ischemia-reperfusion injury, induction of neoangiogenesis and chronic neuropathic pain. Our center performs a wide range of organ transplantation models in rats (heart, kidney, spleen, pancreas, genital organs, hind limb) and is using modern technical infrastructure such as a Laser-Doppler device, microdialysis pumps or the plantar test platform. The development of microsurgical models of organ transplantation is closely related to the research being undertaken in the center's laboratory for transplantation immunology, where the main focus is, the in-vitro development of tolerogenic dendritic cells for induction of immune tolerance.

The microsurgical teaching program of the Pius Brnzeu Center started in 1998 and its complex curriculum has attracted until now more than 600 surgeons from around the world. These courses have been accredited by European Board of Plastic, Reconstructive and Aesthetic Surgery (EBOPRAS) and endorsed by European Microsurgical Research Association (EMRA). The training program includes intensive courses on basic microsurgical techniques and flap harvesting in living tissue (pigs) as well as private seminars in which, participants have the opportunity to master different exercises according to their demands.

For more informations, please visit [www.umft.ro/pius\\_branzeu\\_center](http://www.umft.ro/pius_branzeu_center) or contact:

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