**HUF 650 MILLION WAS SPENT ON REPAIRING THE QUALITY OF LIFE OF PEOPLE UNDERGOING NEUROREHABILITATION**

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The project "Establishment of a research center for neurorehabilitation and human-machine interaction at the University of Pécs" was implemented with 650 million HUF of non-reimbursable EU funding provided in the framework of the Széchenyi 2020 Economic Development and Innovation Operational Program. Working in partnership with the University of Debrecen and the National Institute of Medical Rehabilitation, and coordinated by the UP, the project has created internationally renowned health research and service center in the field of rehabilitation, including neurorehabilitation.

The objective of the project was to provide a multi-organizational and multi-disciplinary research platform for the research-development-innovation (RDI) triad for rehabilitation clinical work, with long-term benefits for patient care and graduate education.

At the University of Pécs, the grant will help to set up a Biomechanics Laboratory, which will use a sophisticated motion analysis system to accurately monitor research results and increase the precision of the patient examination. The robotic devices in the laboratory, which will be funded by the grant, will enable the rehabilitation and movement of people paralyzed by a stroke, which is considered a globally outstanding technology and research area.

The project has led to the creation of the Materials Technology Research Group, which has been involved in a number of interdisciplinary RDI projects. One of the main research areas of the group is the investigation of mechanical and structural properties of polymers and metals for 3D printing, the results of which are directly used in medical technology developments.

Also funded by the grant, a 256-channel EEG device was purchased, which is essential for a new technology to treat epilepsy patients who cannot be relieved from seizures by drugs.

The grant also helped to install a magnetic stimulation system navigated by imaging, which is unique in Hungary.

In cooperation with the UP, the National Institute of Musculoskeletal Research is a partner in the project, where the grant has helped to further develop the REHAROB project's own physiotherapy robot for stroke patients.

The University of Debrecen participated in the project as a consortium partner, where the funding helped to expand the existing rehabilitation equipment with a gait testing and muscle strength measuring system, a 3D printer, and a full body scanner, thus significantly expanding the previous rehabilitation assessment possibilities.

Overall, the equipment purchased under the project provides an opportunity to improve the quality of life and rehabilitation of people undergoing neurorehabilitation and to provide them with high-quality care.