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| **1st Open Call – Healthcare** |
| **Project code & acronym** | ROHU00337 - ROHUNOVATION 2 |
| **Project title** | ROHUNOVATION 2: Shaping the future of surgical care |
| **Priority** | P2 - Cooperation for a more social and cohesive PA between Romania and HungarySpecific objective |
| **Specific Objective** | RS04.5 - Ensuring equal access to health care and fostering resilience of health systems, including primary care, and promoting the transition from institutional to family and community based care |
| **Implementation period** | 30 months (10 June 2025 – 9 December 2027) |
| **Objective** | The project’s objective is to ensure equitable healthcare access and enhance the resilience of healthcare systems in the ROHU border region by investing in state-of-the-art medical equipment and innovative IT solutions for surgical diseases, benefiting at least 5500 patients, and facilitating joint capacity building and exchange of valuable experience among 160 healthcare providers who will actively participate in training programs focusing on minimally invasive procedures and the surgical management of colorectal cancer. |
| **Partnership** | **Lead Partner:** Universitatea de Medicină și Farmacie ”Victor Babeș” din Timișoara (RO) |
| **Project Partner:** PP2 Szegedi Tudományegyetem (HU) PP3 Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara (RO) |
| **Total budget** | EUR 2.447.009,97 out of which ERDF EUR 1.957.607,97  |
| **Summary** | The project establishes the cross-border collaboration between "Victor Babes" University of Medicine and Pharmacy Timisoara (UMFVBT) as Lead Partner, University of Szeged (SZTE) as Project Partner 1 and The Emergency County Hospital “Pius Brinzeu” of Timisoara (SCJUPB) as Project Partner 2. ROHUNOVATION 2 aims to ensure equitable healthcare access and strengthen the resilience of healthcare systems, with a specific emphasis on the management of surgical diseases and the promotion of minimally invasive care, while supporting the shift from institutional care to family and community-centered healthcare by introducing eHealth tools. Three common chalanges with reference to situations in which partners fail to meet patients’ expectations at present are addressed by the project as follows:1. Limited access to eHealth tools: 2 Joint applications for remote patient monitoring, consultations and healthcare accessibility (ROHU MedLink and IBD QoL) will be developed as tools for modernized healthcare. 2. Health inequalities: the investments in Surgical equipment and instruments will lead to improved quality of the medical act and of the surgical results, by increasing the patient's safety, quality of postoperative life, lower costs of use per patient, lower energy consumption, eventually leading to unloading current pressure on public units’ services.3. Lack of practical experience, adaptability and resilience of medical personnel: the project seeks to facilitate the exchange of knowledge, specifically by sharing the Romanian partner's proficiency in robotic surgery. Simultaneously, within the Romanian context, the collaboration aims to enhance the surgical management of rectal tumors. |
| **Main results** | By implementing this project, the expected change to the current situation refer to:1. Enhanced Surgical Capacity: The project aims to increase the capacity for minimally invasive surgical procedures in the eligible area. This includes at least 5.500 patients benefiting annually of the state-of-the-art medical equipment and innovative IT solutions facilitated via ROHUNOVATION 2.2. Cross-Border Knowledge Exchange: The project will organize at least 10 joint hands-on trainings gathering 160 medical professionals, enabling them to benefit from shared knowledge. It will provide training and education on minimally invasive surgical techniques through 2 curriculum programs designed for robotic interventions and laparoscopic treatment of colorectal tumors and IBD.3. Digitalization of Surgical Care: The project seeks to modernize the clinics by introducing digital solutions. This includes developing 2 applications, ROHU MedLink and IBD QoL, which will serve as tools for modernized healthcare. The target is to gather 1,000 registered participants on the mobile app, and 60 participants on the online app, representing a substantial shift toward digital healthcare solutions.4. Enhanced Collaborative Healthcare: ROHUNOVATION 2 builds upon the successful partnership between institutions in Romania and Hungary seeking to foster even stronger cross-border collaboration by establishing OncoTeam and ROHU Medical Expert Teams for preoperative and postoperative online case discussions, surgery mediation, and real-time engagement during surgical procedures. 5. Three organisations cooperating across borders in achieving common goals, such as improving healthcare services, advancing medical expertise, and enhancing patient care, within the eligible region.6. Five Jointly developed solutions: the development of (1) ROHU MedLink and (2) IBD QoL applications, (3) enhanced OncoTeam system, and the modernization of healthcare facilities, specifically (4) Surgery Clinic II at the Lead Partner and the (5) Surgery Clinic at the University of Szeged.7. One action plan jointly developed that pertains to enhancing the pre-existing Patient Management System from the prior ROHU400 project. Within ROHUNOVATION 2, this involves implementing a dynamic approach to case discussions that spans from preparations before surgery to active engagement during surgical procedures through the utilization of an OR live transmission system enabling real-time ROHU surgical discussions and the sharing of medical knowledge. |

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