

## Romania - Hungary

**Project financed by the Interreg. VI-A Romania-Hungary Programme 2021–2027, co-financed by the European Union through the European Regional Development Fund.**

**„ROHUNOVATION 2: Shaping the future of surgical care”,**

**acronym „ROHUNOVATION 2”,**

## Project Identification

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- **Project ID:** ROHU00337
- **Project Title:** ROHUNOVATION 2: Shaping the future of surgical care
- **Lead Partner:**
  - “Victor Babeș” University of Medicine and Pharmacy from Timișoara (UMFVBT), Romania
- **Partners:**
  - University of Szeged (SZTE), Hungary
  - The Emergency County Hospital “Pius Brinzeu” of Timisoara (SCJUPBT), Romania
- **Programme Priority 2 (ISO2):** P2 – Cooperation for a more social and cohesive partnership between Romania and Hungary
- **Specific Objective (RSO4.5.):** “Ensuring equal access to healthcare and fostering the resilience of health systems, including primary care, while promoting the transition from institutional to community-based care”
- **Duration:** 10.06.2025 – 09.12.2027
- **Total Budget:** **€ 2.447.009,97**, from which:
  - “Victor Babeș” University of Medicine and Pharmacy from Timișoara (UMFVBT), Romania – **399.999,99 €**
  - University of Szeged (SZTE), Hungary – **1.247.010,00 €**
  - The Emergency County Hospital “Pius Brinzeu” of Timisoara (SCJUPBT), Romania – **799.999,99 €**

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The project establishes **a robust 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.

**Building on the achievements of the previous ROHU400 project**, ROHUNOVATION 2 will further 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.

## Motivation

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The Emergency County Hospital "Pius Brinzeu" of Timisoara has participated before as Lead Beneficiary in the project Romania – Serbia joint initiative against cancer in cross-border region, namely "**Improved diagnosis and treatment of malignant tumors**", eMS project code: 193, financed under the Interreg – IPA CBC Romania – Serbia Programme.

Other similar projects in terms of the important contribution in the field of minimally invasive procedures, with international financing from the European Union, are PRONCO, namely a project financed under POCU 4.8 aiming at "**Improving the competence level of professionals in the medical system in minimally invasive abdominal surgery in the field of oncology**", with a targeted group of 1,000 medical professionals and project ID: ROHU-400 – **ROHUNOVATION ("Improving health-care services through innovative RO-HU surgical ideas"** Project period: 01/01/2020- 30/06/2023), which was implemented in collaboration with the current project partner, University of Szeged.

## The overall objective of the project

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To ensure equitable healthcare access and enhance resilience of the 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 5.500 patients annually**, and facilitating joint capacity building and the 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.

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### Project Impact

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**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.

**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.

### Role and contribution

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The Emergency County Hospital "Pius Brinzeu" of Timisoara **plays an instrumental role** in the ROHUNOVATION 2 project. Serving as an **essential partner**, the hospital bridges the gap between innovative research and real-world healthcare delivery, ensuring that advancements in surgical care seamlessly transition into tangible patient benefits. With its rich history and relentless drive towards progress, the hospital is positioned as a nexus of medical excellence, crucial for the effective implementation of the project's objectives.

Infrastructure and resources: **the hospital provides vital healthcare infrastructure, advanced medical equipment and clinical resources.** This foundational support is essential for the actualization of state-of-the-art patient care and surgical procedures envisioned by the project.

### Main Activities:

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**1. Patient management system enhancement:** the hospital actively partakes in refining the upgraded patient management system, leveraging its vast clinical experience to optimize healthcare delivery processes.

**2. Joint mobile application development:** collaborating with the Lead Applicant and Project partner 1, the hospital is deeply involved in the conception and development of a mobile application designed for facilitating better access to verified medical information and, for remote patient consultations and monitoring. This digital foray is a testament to

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the hospital's forward-thinking approach, ensuring that even distant patients can access top-tier medical expertise.

**3. Delivery of healthcare services:** as the project's primary healthcare delivery arm, the hospital will be at the forefront of implementing surgical interventions, patient consultations and other medical services. With its established reputation and clinical excellence, the hospital ensures that all medical endeavors under the project banner uphold the highest standards of care.

In conclusion, The Emergency County Hospital "Pius Brinzeu" of Timisoara not only enriches the ROHUNOVENTION 2 project with its extensive medical expertise but also brings to the table an unyielding commitment to community service. By intertwining research prowess with clinical excellence, the hospital ensures that the project's vision of reshaping the future of surgical care is realized in its most impactful form.

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## Innovative solutions - What is new / original about the project

**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.

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## For information regarding the implementation of the project:

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