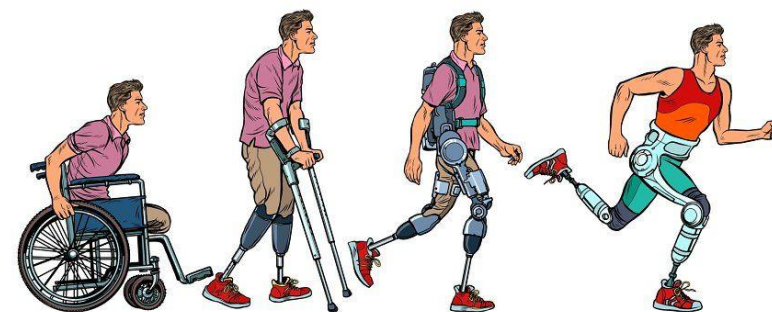


Rehabilitation Excellence in Ukraine

**Evolution of Rehabilitation Care
during Wartime in Kyiv City
Clinical Hospital No.18**



REHABILITATION REFORM

Law of Ukraine 2020

Strategic shift towards modern rehabilitation system based on WHO Rehabilitation 2030 principles and ICF (International Classification of Functioning) framework.

Global Standards

Integration of evidence-based practice and multidisciplinary models across all levels of healthcare to meet the growing needs of civilians and veterans.

Globally, 1 in 3 people may benefit from rehabilitation

NATIONAL REACH

Ukraine has rapidly expanded its network of rehabilitation providers. Today, over 574 institutions provide inpatient services under specialized state medical packages.



Kyiv City Clinical Hospital No.18 stands as a clinical leader in the capital, serving as a hub for both acute and intensive recovery paths.



**КНП «КИЇВСЬКА
МІСЬКА КЛІНІЧНА
ЛІКАРНЯ № 18»**

ЗАСНОВАНА 1885

Rehabilitation Department

The Rehabilitation Department first opened in 2002.

Today, it provides **60 inpatient beds** for patients receiving rehabilitation care.

The department is equipped with modern facilities for comprehensive rehabilitation, including physical therapy, occupational therapy, speech and language therapy, psychotherapy, therapeutic massage, instrumental treatment, and balneotherapy.

Assistive and adaptive devices are selected in the Assistive Technology Room.

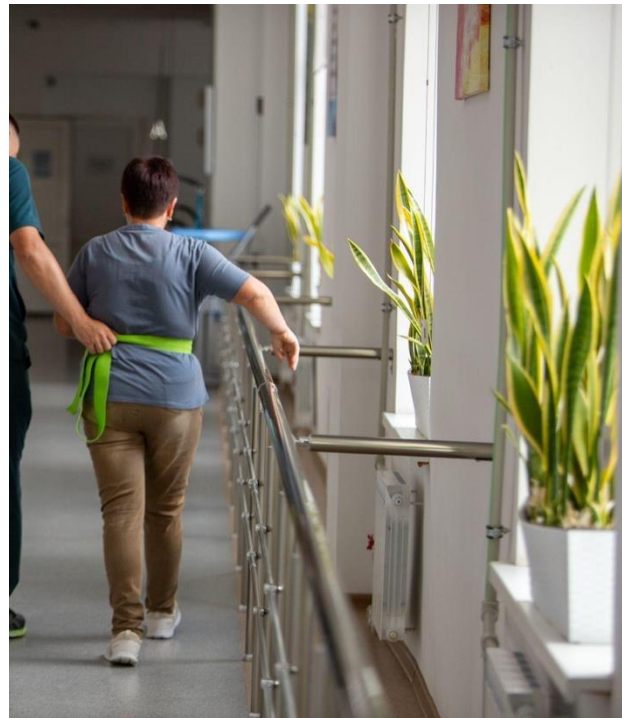




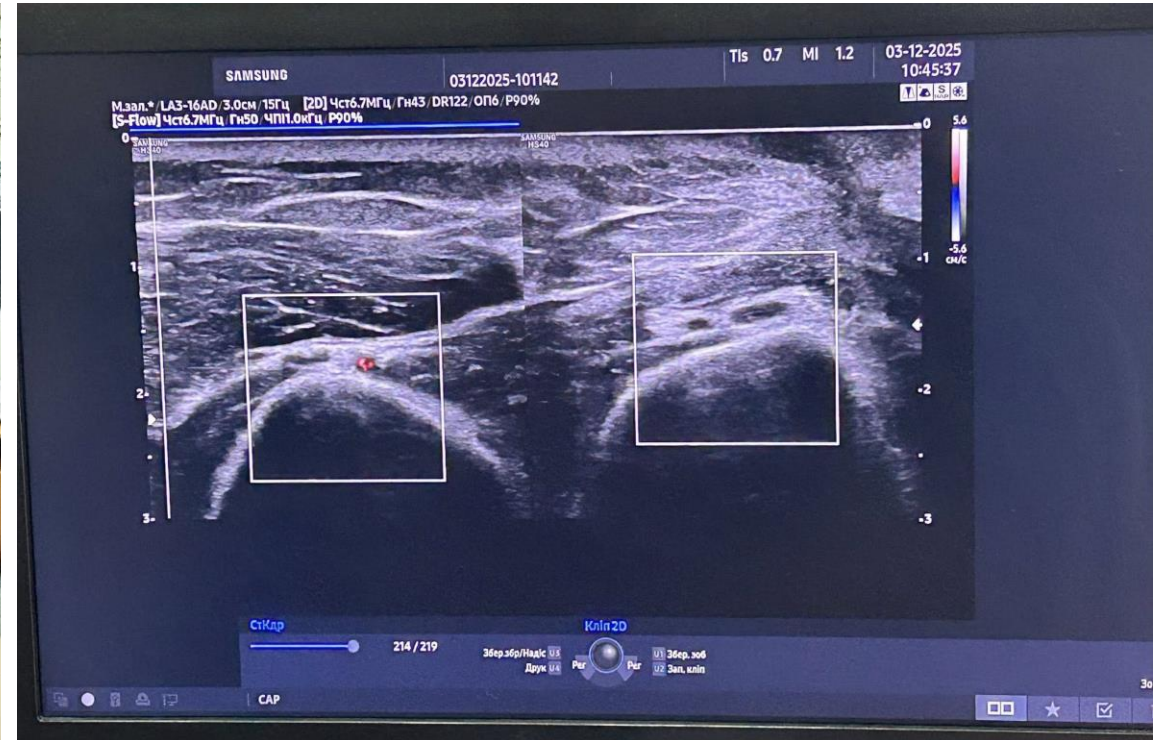
Multidisciplinary team

Rehabilitation care is delivered by a multidisciplinary team working together to ensure comprehensive patient recovery.

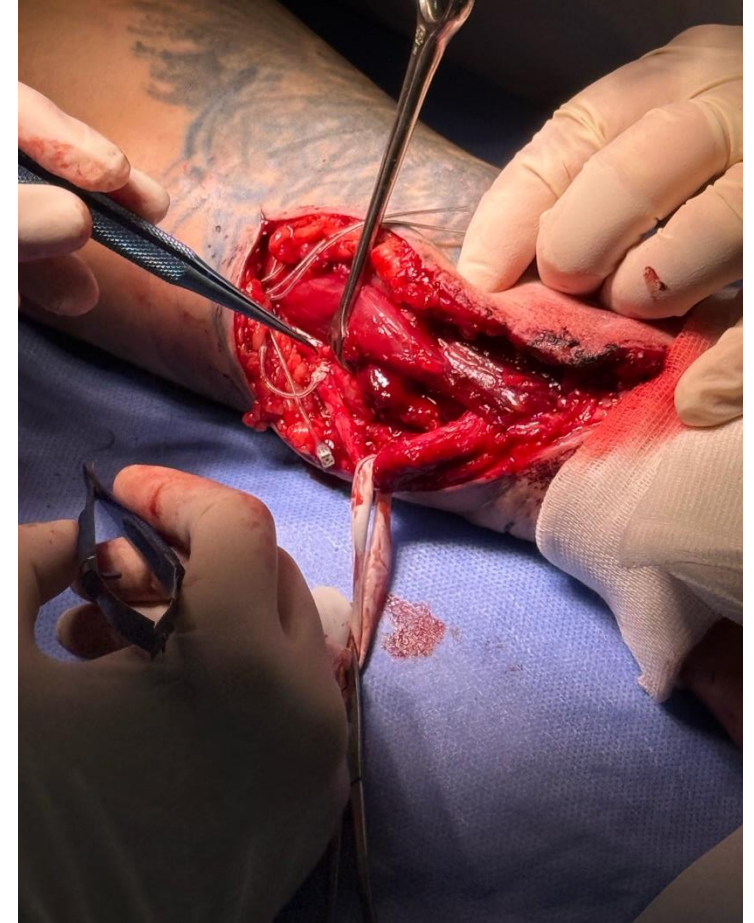
The team includes: physicians, physical therapists, occupational therapists, speech and language therapists, psychologists, and rehabilitation nurses.



Advanced Diagnostic Capabilities: Ultrasound in PRM



Future Innovation: Peripheral Nerve Neuromodulation





International Conference on Rehabilitation Medicine: European Experience and Innovations in IVS Therapy

From February 24 to 26, 2026, a major event for healthcare professionals took place in Kyiv — the International Scientific and Practical Conference “*Modern Physical and Rehabilitation Medicine: Multidisciplinary Approach, Technologies, and Clinical Experience.*”



Day 1: Scientific Panel and Innovative Approaches



@|Dessintey



в тому, щоб поділитися



Days 2 and 3: Clinical Supervision Sessions in Kyiv Hospitals



School: Intensive Visual Stimulation (IVS) in Rehabilitation Medicine: From Theory to Practice



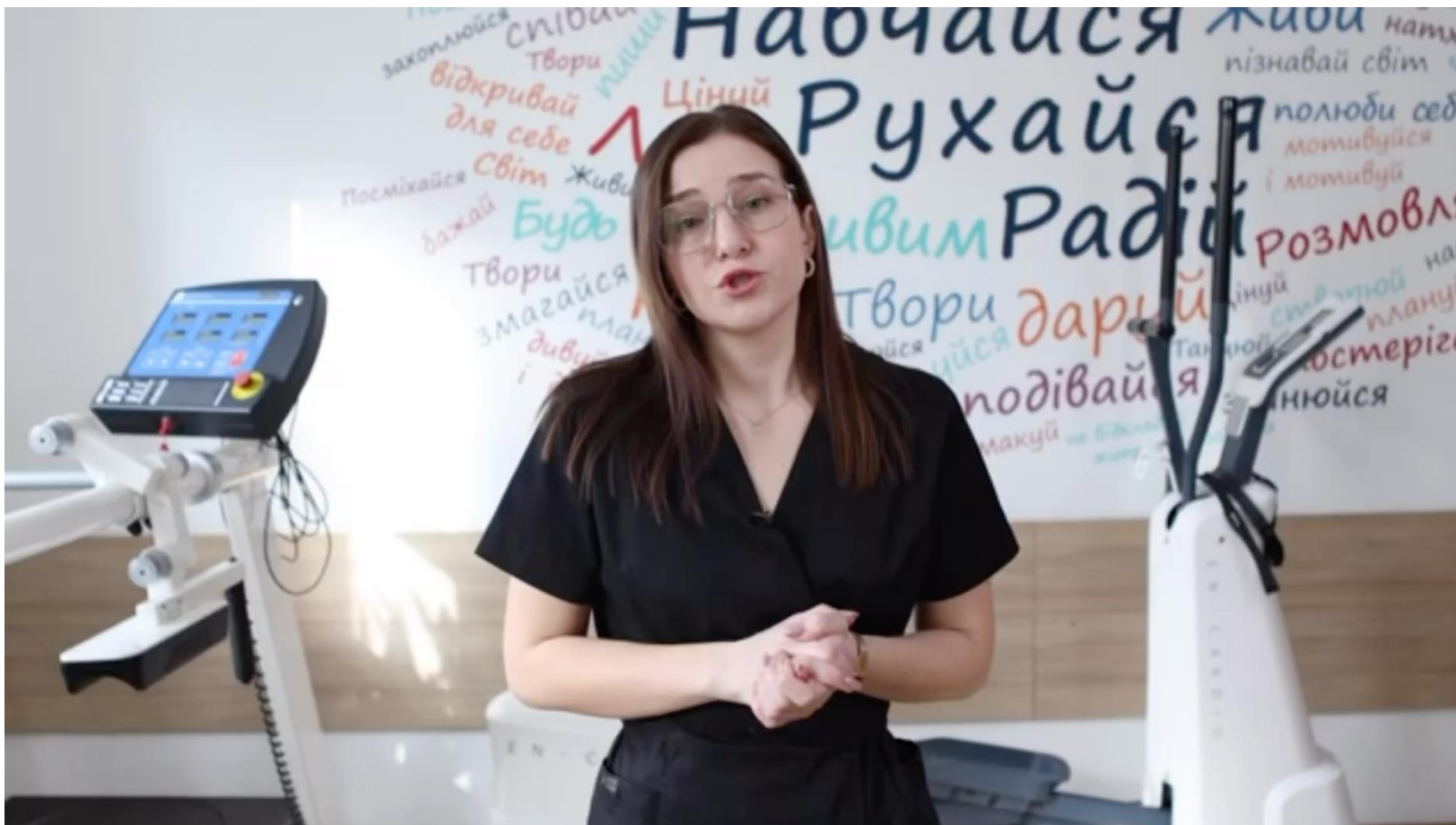
Training Team

The training process was led by certified trainers and international experts:

- **Davy Luneau** (International Expert, Dessintey Representative)
- **Marianna Brovchenko** (Curriculum Co-author, Neurorehabilitation Expert)
- **Yuliia Nevmyvana, Nazar Peresunko, Maksym Komosa, Serhii Viter, Vladyslav Hunko** (Course Trainers, Physical and Rehabilitation Medicine Specialists)



Practical Insights: Patient Case Studies



Key Outcomes & Participant Statistics

The training engaged a comprehensive multidisciplinary rehabilitation team, which is essential for implementing advanced clinical protocols.

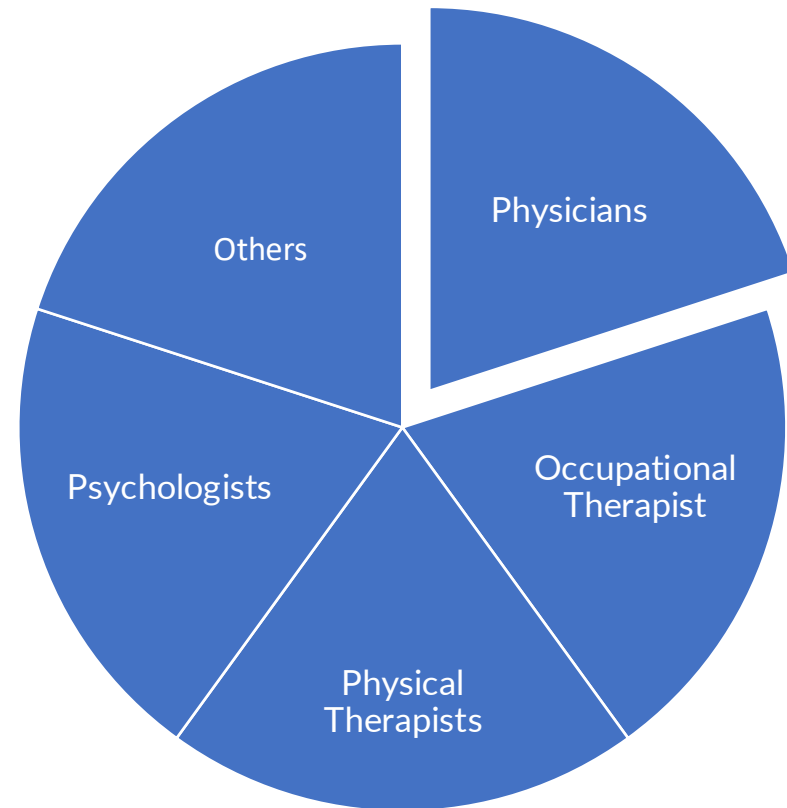
Total Number of Participants: 87

Physicians (Neurologists, PRM Doctors): 14

Physical Therapists: 39

Occupational Therapists: 33

Psychologists: 1

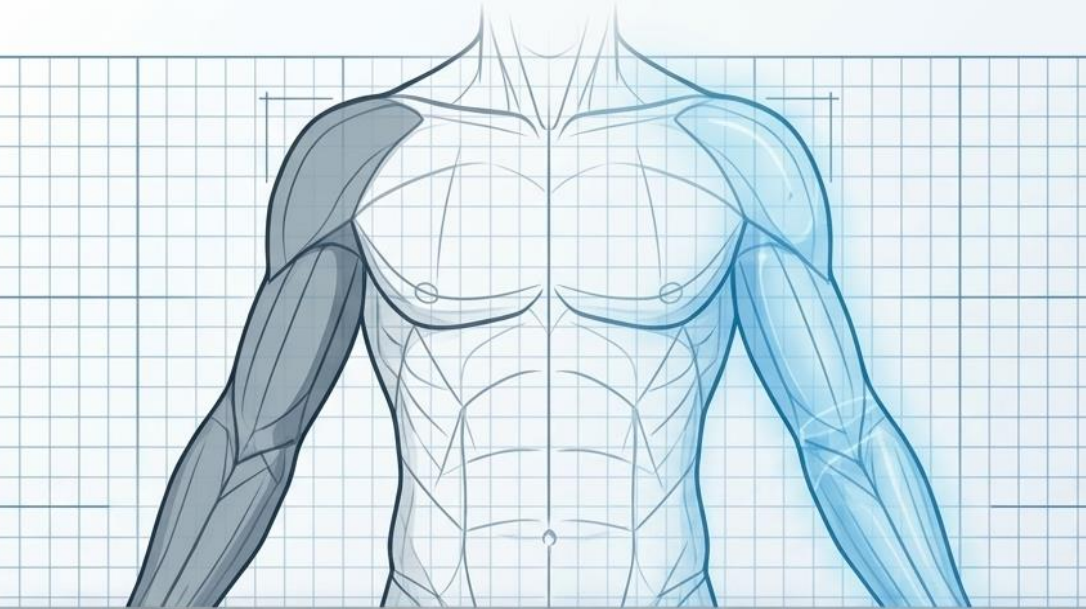


Case Studies & Results

- **Diagnosis:** Sequelae of left-hemisphere hemorrhagic stroke (18.02.26). Right-sided spastic hemiparesis (Arm: profound; Leg: moderate).
- **Intervention:** 6-week intensive neurorehabilitation program combined with IVS (Intravenous Systemic) metabolic and neurotrophic therapy.
- **Focus:** Reducing muscle tone (spasticity) and restoring voluntary motor control through PNF/Bobath techniques.



Safety protocol



Mirror Therapy and IVS: Safety Protocols

Clinical guidelines on dosage, monitoring,
and management of adverse reactions.

For multidisciplinary rehabilitation teams.

Technical Setup: Minimizing Sensory Conflict



Critical step for IVS (video mirror):
Control correctness of substitution/mirroring
Incorrect setup provokes immediate
autonomic and neurological reactions.

1. Recording	2. Transformation	3. Projection
Capturing movement of healthy limb.	Hardware reversing the image on screen.	Complete visual correspondence to affected or amputated side of the patient.

Fairorgh Fairaily Profile Safety with Active Neurosensory Influence



The method is safe for the majority of
patients if applied correctly. However,
since this is an intervention with active
neurosensory influence, the prevention
of side effects is a mandatory and
integral component of the technique.



Increased Attention Zone: Factory Risks

The risk of undesirable reactions is significantly
higher in patients with the following conditions:

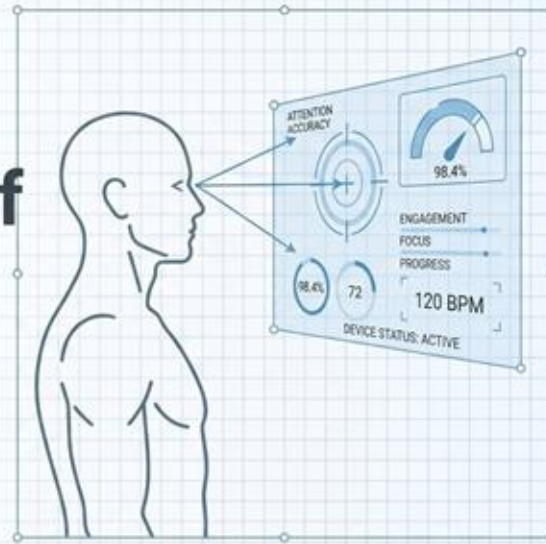
- Chronic Pain Syndrome
- Amputations
- PTSD and Marked Anxiety
- Cognitive Impairments

Clinical Guide

PRACTICAL GUIDELINES FOR PHYSICAL THERAPISTS

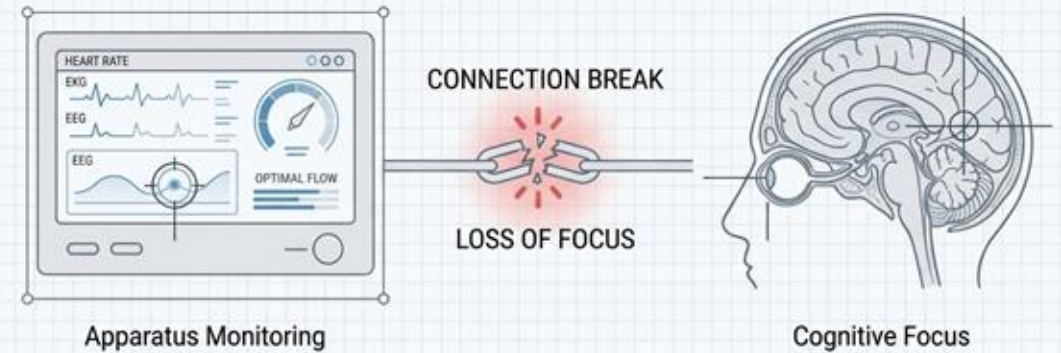
Effectiveness of IVS-Therapy

Clinical Guide: Avoiding Common Mistakes and Maximizing Patient Engagement



© Notebook

Why does IVS therapy lose its effectiveness?



Even the most advanced apparatus becomes useless if the patient loses focus, does not understand the tasks, or uses compensatory movements.

Success depends not on the apparatus, but on how the therapist sets up the environment and controls the process.

© Notebook

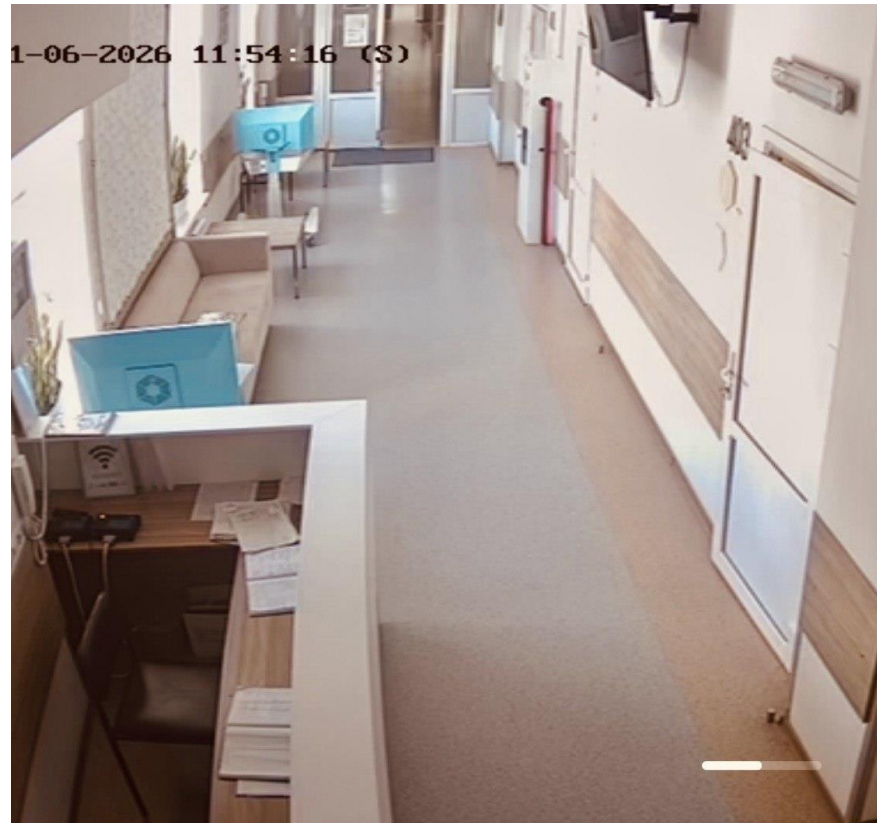
Addressing Inactivity with SRT

Research by Baret highlights a critical gap in rehabilitation continuity: patient inactivity can reach up to **6.8 hours on weekends**. Bridging this gap is essential for sustaining therapeutic gains.



Compact Design: The ergonomic and compact hardware ensures easy placement within our department, maximizing available space.

Continuous Oversight: Integrated video monitoring allows our team to observe patient practice during free time and weekends, ensuring safety and compliance.



Key takeaway

Wartime Realities: Chronic stress, air raids, and psychological trauma shape unique rehabilitation needs in Ukrainian patients.

Clinical Impact: Stress-induced hypervigilance and anxiety alter nervous system functioning, impacting motor learning, engagement, and pain perception.

Our Approach: Rehabilitation must be individualized and trauma-informed to match patients' neuropsychological states.

Research Opportunity: A valuable area for joint clinical research with international partners on using IVS therapy during wartime conditions.



Thank you!

Kyiv City Clinical Hospital №18

www.knpkml18.com.ua

<https://anr.com.ua/>

