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# CERTIFICATE № 107

The undersigned acknowledges that

**Viktoriiia Melnychuk**

has successfully met all requirements of the

**“BASIC PHYSICAL THERAPY IN NEUROLOGY”**

conducted by Momentum Wheels for Humanity within the framework of  
Strengthening Rehabilitation Services in Health Systems (SRSHS)

75 online hours

03 April—19 May 2023

Mykola Romanyshyn  
Momentum Wheels for Humanity  
Clinical Education Coordinator Lead

Partnerships **PLUS**



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## COURSE CONTENT

The theory of motor control: the concept of motor control, selective voluntary motor control, synergy.  
International classification of functioning, limitations of vitality and health (ICF).  
Lesions of the upper and lower motor neuron.  
Code of ethics and professional behavior of a physical therapist in Ukraine.  
Spinal cord injury: assessment.  
Spinal cord injury: intervention.  
Traumatic brain injury.  
Cerebral palsy.  
Motor skills training.  
Principles of motor learning. Stages of motor learning. Feedback.  
Motor learning strategies.

Strength and cardiorespiratory training.  
Essentials of evidence-based practice in physical therapy. Hierarchy of evidence.  
Filtered and unfiltered information in physical therapy.  
A critical appraisal of a randomized trial in physical therapy. Assessment of internal and external validity of research in physical therapy.  
Physical therapy clinical research databases and working with them. Clinical question and practical work in finding evidence in physical therapy research databases.  
Statistical significance and clinical significance. Data sifting (data fitting, p-hacking).

The clinical guideline for providing assistance to patients with stroke in the acute period by a physical therapist.  
Normal gait.  
Upright motor control test.  
Assessing the patient to determine an intervention strategy to restore independent walking  
Analysis of pathological gait. A problem-oriented approach to the observational analysis of gait.  
Clinical assessment tools.  
Organization of provision of rehabilitation assistance in the field of health care:  
legislative framework.  
Homework program. Setting goals.

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