SYNTHETIC FORM FOR A BOARD CERTIFIED TRAINING UNIT

UNIT NAME: University Rehabilitation Institute, Republic of Slovenia
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MAIN CLINICAL ACTIVITIES OF THE UNIT:
(state the main areas of care depending on clinical workload and interests)

At six inpatient departments, Centre for vocational rehabilitation, Rehabilitation engineering department, Centre for prosthetics and orthotics and numerous outpatient clinics and laboratories of the University Rehabilitation Institute we provide comprehensive inpatient and outpatient rehabilitation of adults and children with central and peripheral nervous system impairments, with movement-related impairments of body functions and body structures and activity and participation restrictions, and of patients with muscular and neuromuscular diseases, chronic pain and cancer.

We perform specialist medical examinations, assessment and diagnostics of movement (kinesiological diagnostics and measurements of gait, posture and balance, isokinetic dynamometry, plantar pressure measurements), neurophysiological (EMG, EEG, SEP, MEP) and cardiovascular functional diagnostics (of peripheral vascular disease or venous insufficiency, exercise testing, ergospirometry and respiratory function testing, sacral function diagnostics), testing and prescription of technical rehabilitation aids, diagnostics and treatment of spasticity and pain (sensorimetry), ultrasound diagnostics, vehicle driving testing and psychological assessment. We are able to recognise development of secondary impairments (contractures, pressure ulcers, scoliosis, insufficient respiration etc.) and take appropriate countermeasures.

We apply complex methods from the fields of rehabilitation medicine, physical therapy, rehabilitation nursing, occupational therapy, psychological treatment, speech therapy and social work, including counselling for adaptations of living environment, vehicle adaptations and return to work when appropriate. Patients with muscular and neuromuscular diseases and their family members are provided with guidance through the course of the disease. We follow the development of the disease and advise the patients and their relatives on solving problems in different disease phases.

We also perform teaching duties for the students within regular education in the field of physical and rehabilitation medicine, specialist and post-graduate teaching and residence of health care professionals and other professionals in the field of rehabilitation. We are also active in research in all those fields.

The other departments of our Institute provide technical support for our clinical and research work.
SPECIFIC RESEARCH INTERESTS OF THE UNIT:
(give the key words for each theme)

- Development of robots for rehabilitation (assessment and therapy)
- Clinical:
  * Outcome measurement
  * Implementation of ICF
  * Movement analysis
  * Balance
  * Upper limb function
  * Cardiorespiratory function
  * Telerehabilitation and virtual reality (VR)
  * Driving abilities
  * Return to work
- Psychosocial research

LIST FIVE PUBLICATIONS FROM THE LAST FIVE YEARS WHICH MOST REPRESENT THE UNIT'S RESEARCH PROGRAMME:


PLEASE IDENTIFY IF NECESSARY, THE CONDITIONS AND MEANS OF EXCHANGE FOR TRAINEE SPECIALIST (THE NUMBER PERMISSIBLE, THE PERSON TO CONTACT, ETC.):

- max. 2, speaking English language

Authorisation to publish over Internet    YES ☒    Signature: [Signature]

Prof Helena Burger, MD, PhD

NO ☐