

Doc. Dr. Dagmar Pavlů, CSc.



Assoc. Prof. Dagmar Pavlů, CSc.

Dr. Dagmar Pavlů is a Associate Professor on Charles University (Prague, Czech Republic) and is a guarantor of Study program in Physiotherapy. She earned master's degree in physiotherapy and later doctor's degree in pedagogy, in 1995 she received her PhD (CSc.). In 2005 she earned the degree of an associate professor in exercise physiology. Dr. Pavlů was president of the professional organisation of Physiotherapists of the Czech Republic (till 2014), she is a Member of Executive Board of Association of Rehabilitation and Physical Medicine in Czech Republic. Inbetween 2004 – 2008 she was a vice chairman of ER WCPT (European Region of World Confederation for Physical Therapy).

She is very active in research, where she focuses mainly on evaluating the effect of physiotherapy methods on the widest spectrum of the population. For the given topic, she uses, among other things, rich experience from long-term practice at the Rehabilitation clinic at the University hospital in Prague (Czech Republic) as well as practice at the neurological department of the Central Military Hospital in Prague (Czech Republic). In connection with research and clinical experience, she published a number of articles on the given topic, as well as presented this topic at many foreign congresses and symposia.

Dagmar Pavlů - CV

PERSONAL DATA

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+420 603 472 049

Date of birth: 10.10. 1961 in Počátky

Nationality: Czech

Education

[2005]: Habilitation at Charles University, Kinanthropology (doc. title)

[1988]: State rigorous examination at Charles University, pedagogy (PaedDr.)

[1995]: Candidate of Sciences, at Charles University, Faculty of Physical Education and Sport, in the field of Theory of Physical Exercises - Anthropomotorics (CSc.)

[1982-1986]: Master's degree - TV-sport, rehabilitation (Mgr.), acquired through studies Professional qualification in physiotherapy

[1980-1982]: studies at SZŠ in Brno, rehabilitation worker, completed with a professional school-leaving examination (May 1982),

[1976-1980]: studies at the gymnasium in Telč, completed with a school-leaving examination (June 1980)

[1968-1976]: elementary school in Telč

Relevant experience / employment history

[2024- present]: Consultant - Sanctband Global Academy

[2010 - 2014 and 2018 - 2022]- Vice-Dean for External and International Relations, Charles University FTVS

[2010 - present] - guarantor of study programs at Charles University (bachelor's degree in physiotherapy, follow-up master's degree in Applied Physiotherapy - in Czech and English)

[2004 - present]: associate professor - Department of Physiotherapy, Charles University-FTVS, teaching and research activities in the fields of physiotherapy, kinesiology and kinanthropology

[2005 - 2022]: haed of outpatient clinic representative, Charles University FTVS (for the field of physiotherapy)

[2004 - 2018]: head of the Department of Physiotherapy, Charles University FTVS

[1992 - 2004]: assistant professor, Department of Physiotherapy, Charles University FTVS

[1991-1992]: study stay in the specialization Occupational Medicine BIGA Switzerland

[1987-1990]: Work - study stay Clinic of Rehabilitation Hospital KV Prague

Additional information on employment - membership in the UK FTVS committees, positions

Member of the Scientific Council of the UK FTVS (2010 – 2014, 2014 – present)

Member of the PDS subject council in the field of Kinanthropology (2010 – 2014, 2014 – present)

Member of the Academic Senate of the UK FTVS and Vice-Chair (2007-2010)

Chair of the UK FTVS editorial committee (2018 – 2022)

Member of the UNIFY Czech Republic Expert Council (2017 – present)

List of the most important projects

[1] Cooperatio “Sport Sciences Biomedical Rehabilitation Medicine” – at the UK FTVS, member of the council since 2022, when the project was launched

[2] TA 04010683 (2014-2017) - co-investigator

[3] Biological aspects of human movement research (Program for the development of scientific areas at Charles University, PRVOUK - P38 2012 - 2016 - team leader

[4] Biological aspects of human movement research (Programme for the development of scientific areas at Charles University, PROGRES - Q41) 2017 - 2021 - team leader

[5] Ministry of Education, Youth and Sports - MSM 0021620864, co-investigator

Membership and positions in professional organizations

Union of Physiotherapists of the Czech Republic (professional organization) – member since 1992

Union of Physiotherapists of the Czech Republic (professional organization) – president of the organization 2002 -2014

ER WCPT (World Organization of Physiotherapists – European Region) – vice president 2002 - 2006

Professional Society of Rehabilitation and Physical Medicine of the Czech Medical Society J. E. Purkyně, member since 1995, member of the society committee 2005 – 2020

Specialized committee of the Scientific Council of the IGA of the Ministry of Health of the Czech Republic (Nursing, health systems and informatics) – member 2002 - 2009

Czech Ergonomic Society - member of the extended executive committee 2017 – 2020, now member

Member of the EQF (European Qualification Framework) working group at ENPHE (2009-2012)

Member of the Research working group at ENPHE (2013 – present)

Member of the Accreditation Commission of the Ministry of Health of the Czech Republic (2006-2014), external assessor of the AK of the Ministry of Health of the Czech Republic (2014-present)

Membership in the editorial boards of professional journals

[1996-present]: Secretary of the editorial board of the journal Rehabilitation and Physical Medicine (published by the Czech Society of Physical Medicine and Rehabilitation, from 2024 member of Editorial board – ISSN 1211-2658 (Print), ISSN 1805-4552 (Online))

[2018-present]: Member of the executive board of the journal Acta Universitatis Carolinae Kinanthropologica, ISSN 1212-1428 (Print), ISSN 2336-6052 (Online)

[2008-2014]: Member of the editorial board of the journal Sestra (2008-2014)

[2004-2009]: Member of the editorial board of the journal Funktionskrankheiten des Bewegungsapparates (published by Fischer Verlag – Germany, publication ended in 2009)

List of the most important results – publication and research activities

Publication activities are directed towards the topic of non-medical healthcare professions, mainly in the area of special physiotherapeutic concepts and methods; a fundamental monograph on the subject was published for the first time in 2003, which is a unique publication in the Czech Republic. Publication outputs are directed to periodicals on the topics of rehabilitation and physical medicine, health sciences, indexed mostly in the Scopus and WOS database.

Scopus Author ID: 12788642400 - Researcher ID: K-2679-2017 - Orcid ID: 0000-0001-8327-3052

List of the most important publications

PAVLU, D. Speciální fyzioterapeutické koncepty a metody I - Koncepty a metody spočívající převážně na neurofyziologické bázi. Akademické nakladatelství CERM, Brno 2003, 2010. ISBN 8072043129

PAVLU, D. Übungen mit dem Sanctband. Stuttgart: Thieme, 2016

PAVLU, D. Cvičení se Sanctbandem. Olomouc: Poznání, 2014.

PAVLU, D. Sanctband : la li dai zhi zu li xun lian. Xinbei, 2016.

PANEK, D., KOVÁŘOVÁ, L., PAVLU, D. Elektroencefalografické koreláty výkonností motivace a únavy. Rehabilitace a fyzikální lékařství, 2014, 21 (2), 87-92

PAVLU D. Brügger concept. In ŘASOVÁ K., Neurorehabilitation of people with impaired mobility - therapeutic intervention. Prague: 3rd Medical Faculty, Charles University, 2017: 194-201.

HOLUBÁŘOVÁ, J., PAVLU, D. Proprioceptivní neuromuskulární facilitace. 3.vyd Praha: Karolinum, 2017

PAVLU, D. et al. Effect of Blood Circulation in the Upper Limb after Flossing Strategy. Applied Sciences. 2021-02-11. DOI: 10.3390/app11041634

PAVLU, D. et al. The Effects of Elastic Band Exercises with PNF on Shooting Speed and Accuracy in Ball Hockey Players during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health 2021-10-29 . DOI: 10.3390/ijerph182111391

Overview of publication activity over the last 5 years (author, co-author or corresponding author)

Quality of life and quality of education among physiotherapy students in Europe (Frontiers in Medicine, (2024), 11, (1344028), 10.3389/fmed.2024.1344028) Frontiers in Medicine, Volume 11, 2024, Article number 1408214

Influence of Walking, Manual Techniques, and Elastic Resistance Exercise on Shoulder Posture in Healthy Elderly Individuals" Geriatrics 9, no. 5: 128., 2024, <https://doi.org/10.3390/geriatrics9050128>

Analysis of Intracerebral Activity during Reflex Locomotion Stimulation According to Vojta's Principle. Appl. Sci. 2022, 12(4), 2225; DOI: 10.3390/app12042225

The Effects of Elastic Band Exercises with PNF on Shooting Speed and Accuracy in Ball Hockey Players during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health 2021-10-29 . DOI: 10.3390/ijerph18211391

The effect of a repeated intensive programme in patients with mid-stage Huntington's disease. AUC KINANTHROPOLOGICA. 2021-06-16. DOI: 10.14712/23366052.2021.8

Effect of Blood Circulation in the Upper Limb after Flossing Strategy. Applied Sciences. 2021-02-11. DOI: 10.3390/app11041634

Can regular walking in seniors improve their overall postural stability? Může pravidelná chůze u seniorů vést ke zlepšení jejich celkové posturální stability? Rehabilitace a Fyzikalni Lekarstvi, 2021 DOI: 10.48095/ccrhfl20214EID: 2-s2.0-85108564480Je součástí ISSN: 18054552 12112658

Effectiveness of therapeutic interventions in the treatment of pain associated with trigger points, Efektivita terapeutických intervencí v otázce léčby bolesti spojené se spoušťovými body. Rehabilitace a Fyzikalni Lekarstvi, 2021. DOI: 10.48095/CCRHFL202179EID: 2-s2.0-85114788934Je součástí ISSN: 18054552 12112658

Possibilities of using distance therapy and telerehabilitation in occupational therapy in patients after acquired brain injury – pilot study. Možnosti využití distanční terapie a telerehabilitace v ergoterapii u pacientů po získaném poškození mozku – pilotní studie. Rehabilitace a Fyzikalni Lekarstvi 2021. DOI: 10.48095/ccrhfl202125EID: 2-s2.0-85108447349Je součástí ISSN: 18054552 12112658

Evaluating the effect of 5-week intervention using a visual biofeedback in patient with unilateral transfemoral amputation of lower extremity – Case study. Hodnocení efektu 5týdenní intervence s využitím vizuálního biofeedbacku u pacienta s unilaterální transfemorální amputací dolní končetiny – Případová studie Rehabilitace a Fyzikalni Lekarstvi 2020. EID: 2-s2.0-85092760306Je součástí ISSN: 18054552 12112658

Evaluation dynamic postural stability – creation of reference values for a common young population in the Czech Republic. Hodnocení dynamické posturální stability – tvorba referenčních hodnot pro běžnou, mladou populaci v Rehabilitace a Fyzikalni Lekarstvi 2020. EID: 2-s2.0-85095616097Je součástí ISSN: 18054552 12112658

Injury – examples of exercise suitable for prevention of lca. Poranění lca – příklady cvičení, vhodné k prevenci poranění lca. Rehabilitace a Fyzikalni Lekarstvi. 2020. EID: 2-s2.0-85092781694Je součástí ISSN: 18054552 12112658

Muscle Hypertrophy and Architectural Changes in Response to Eight-Week Neuromuscular Electrical Stimulation Training in Healthy Older People. *Life* 2020, DOI: 10.3390/LIFE10090184WOSUID: WOS:000580108200001

The effect of short-term strength intervention on muscle activity of shoulder girdle during simulated crawl in elite swimmers. *Acta Gymnica* 2020. DOI: 10.5507/AG.2020.012

Upper extremity injuries among golf players. Zranění horních končetin u hráčů golfu. *Rehabilitace a Fyzikalni Lekarstvi* 2020. EID: 2-s2.0-85101825551Je součástí ISSN: 18054552 12112658

Most frequent injuries in female handball players. *AUC KINANTHROPOLOGICA* 2019-11-21. DOI: 10.14712/23366052.2019.9

Options for studying human motion: neurophysiological program sLORETA. *AUC KINANTHROPOLOGICA* 2019-11-21. DOI: 10.14712/23366052.2019.7

Brain activity changes during walking affected by cueing in Parkinson's disease patients viewed by s loreta imaging. *Rehabilitacia* 2019. EID: 2-s2.0-85078325359Je součástí ISSN: 03750922

Comparison of time requirements, financial accessibility and reliability of tests of fine motoric for patients after vascular cerebral stroke from the ergotherapy standpoint basis. Porovnání časové náročnosti, cenové dostupnosti a reliability testů jemné motoriky pro pacienty po cévní mozkové příhodě z pohledu ergoterapie. *Rehabilitace a Fyzikalni Lekarstvi* 2019. EID: 2-s2.0-85084434672Je součástí ISSN: 18054552 12112658

Interconnection of physiotherapy and psychology in sport. Spojitost fyzioterapie a psychologie ve sportu. *Rehabilitace a Fyzikalni Lekarstvi* 2019. EID: 2-s2.0-85084442079Je součástí ISSN: 18054552 12112658

Swallowing malfunction in patients with Huntington's disease - Possibilities of therapeutic rehabilitation intervention. Poruchy polykaní u pacientů s diagnózou huntingtonovy nemoci - Možnosti léčebné rehabilitační intervence. *Rehabilitacia* 2019. EID: 2-s2.0-85065301830Je součástí ISSN: 03750922

Changes of electrical brain activity during the stimulation of thoracic trigger zone by Vojta's principle concept. Změny elektrické mozkové aktivity v průběhu stimulace hrudní spoušťové zóny dle konceptu Vojtova principu. *Rehabilitacia* 2018. EID: 2-s2.0-85055138240Je součástí ISSN: 03750922

Deficiencies in physiotherapeutic care in context of the children's musculoskeletal system injury of girls who engage an elite level in gymnastic sports (Aerobics, artistic or rhythmic gymnastics). Nedostatky ve fyzioterapeutické péči v souvislosti se zraněními pohybového aparátu u dětí školního věku, které se věnují vrcholově gymnastickým sportům (Gymnastickému aerobiku, sportovní nebo moderní gymnastice). *Rehabilitace a Fyzikalni Lekarstvi* 2018. EID: 2-s2.0-85061645411Je součástí ISSN: 18054552 12112658

The effect of active movement and passive monitoring of the same movement on electric brain aktivity. Vliv aktivního pohybu a pasivního sledování stejného pohybu na elektrickou mozkovou aktivitu. *Rehabilitace a Fyzikalni Lekarstvi* 2018. EID: 2-s2.0-85061648068Je součástí ISSN: 18054552 12112658

Evaluation of postural stability in aqua-belles. Hodnocení posturální stability u akvabel. *Rehabilitace a Fyzikalni Lekarstvi* 2017. EID: 2-s2.0-85024092392Je součástí ISSN: 12112658

First experience with virtual reality in the therapy of spinal cord lesions, První zkušenosti s virtuální realitou v terapii míšních lézí. Rehabilitace a Fyzikalni Lekarstvi 2017. EID: 2-s2.0-85024122808Je součástí ISSN: 12112658

Influence of slow, repetitive movements on the occurrence of cerebral alpha activity. Vliv pomalých, repetitivních pohybů na výskyt mozkové alfa aktivity. Rehabilitace a Fyzikalni Lekarstvi 2017. EID: 2-s2.0-85039417939Je součástí ISSN: 12112658

Posturalni stabilita neslyšících dospělých osob. Rehabilitacia 2017. EID: 2-s2.0-85020917061Je součástí ISSN: 03750922

Shoulder protraction and its objectification. Protrakce ramenních kloubu a její objektivizace Rehabilitacia 2017. EID: 2-s2.0-85032924931Je součástí ISSN: 03750922

The screening of musculoskeletal system of school age children (7 and 12 years) in Prague. Screening pohybového systému školních dětí (7 až 12 let) v Praze. Rehabilitace a Fyzikalni Lekarstvi 2017. EID: 2-s2.0-85039412682Je součástí ISSN: 12112658

A contribution of acupressure in the therapy of patients suffering from primary dysmenorrhea - A contribution from practice, Přínos akupresury v léčbě pacientek trpících primární dysmenoreou Rehabilitace a Fyzikalni Lekarstvi 2016

Dagmar Pavlů (16.01. 2025)