

Professor Olga Nowotny Czupryna

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The scientific fields of interests are:

PHYSIOTHERAPY:

postural disturbances - prophylaxis and treatment,

health related quality of life

civilization diseases prevention

ERGONOMICS:

Ergonomic aspects of work in medical profession

Ergonomics for children, seniors and disabled people

The research project contribution:

"Spatial body arrangement in various types of posture - proper and improper" (2005-2006)

"Body posture of people with back pain" (2009)

"Body posture of people working in sitting position" (2010)

"Ergonomic aspects of work in some medical professions - conditions and consequences" (2011)

"Civilization related conditions of health and diseases" (2013-2014)

"Quality of life determined by ergonomics" (2017-2018)

"Nurses and medical rescue as public officers in the context of aggression acts (violence) against them" (2019 till now)

"Spine and shoulder pain syndromes as health consequences of work occurring in nurses and physiotherapists" (2019 till now)

"Quality of life and burnout syndrome of nurses and physiotherapists - causes and differentiation depending on the type of work" (2019 till now)

"Various aspects of team work and safety in medical professions" (2019 till now)

"Civilization determinants of human health" (2019 till now)

"Interdisciplinary approach to the study of quality of life of people with disabilities" (2019 till now)

Publications:

Scientific articles published after obtaining PhD degree:

Nowotny-Czupryna O, Rudzińska A, Czupryna K, Lambeck J. Possibilities of applying therapy in water in patients with some musculoskeletal disorders. Polish Physiotherapy., 2001; Vol.1 No.1, s.67-73.

Rudzińska A, Nowotny-Czupryna O, Knapik H. Assessment of the method of performing selected daily activities in the light of primary prevention of lower back pain. Polish Physiotherap, 2001; Vol.1 No.4, s.381-384.

Rudzińska A, Nowotny-Czupryna O, Knapik H. Assessment of knowledge and application of the principles of prevention of cervical spine pain syndromes in everyday life of women. Polish Physiotherapy.2002; Vol.2 No.1, s.6-10.

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Brzęk A, Nowotny-Czupryna O. The effect of warm-up on the result of exercise testing of patients after myocardial infarction. Physiotherapy 2004; T.12 nr 2, s.5-12.

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Domagalska M, Nowotny J, Szopa A, Czupryna K, Nowotny-Czupryna O. Compensatory dislocations of individual body segments in the sagittal plane in children with cerebral palsy. Physiotherapy 2006; T.14, nr 4, s.19-28

Nowotny-Czupryna O, Nowotny J, Brzęk A, Kowalczyk A. Body posture and strength of the torso postural muscles in children and adolescents with lateral curvature of the spine. Physiotherapy2006; T.14 nr 1, s.15-23.

Nowotny-Czupryna O, Nowotny J, Brzęk A, Czupryna K. A Functional asymmetry of gait in children and adolescents with low-grade scoliosis. Ortop.Traumat.Rehab.2006; Vol.8 nr 2, s.187-194.

Czupryna K, Nowotny J, Nowotny-Czupryna O, Domagalska M. Assessment of gait in children with cerebral palsy as the basis for programming rehabilitation and controlling its results. Rehab.Med.2006; T.10 Nr 1, s.29-40.

Rudzińska A, Nowotny-Czupryna O. Assessment of working positions of primary school students. Ann.Acad.Med.Siles.2007; Vol.61 No.6, s.455-461.

Kowalczyk A, Brzęk A, Nowotny-Czupryna O, Gęgotek I. Some distant effects of scoliosis diagnosed at school age. *Physiotherapy*. 2008; 8, 4, 418-424;

Brzęk A, Nowotny-Czupryna O., Famuła A., Kowalczyk A. Perception of the vertical and horizontal course in children with incorrect body posture. *Polish Physiotherapy*. 2008; Vol.8, No.4, s.445-453. Pkt. MNiSW: 6.000

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Famuła A, Nowotny-Czupryna O, Brzęk A, Nowotny J, Kita B. Telereceptive and proprioceptive efficiency of balance regulation and body stability in the elderly. *Ortop.Traumat.Rehab*.2008; Vol.10, nr 4, s.384-395;

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Gotlib J., D. Białoszewski, A. Cabak, K. Barczyk, A. Bauer, J. Grzegorzczak, W. Kułak, P. Majcher, O. Nowotny-Czupryna, M. Płaszewski, K. Prokopowicz, J. Sierdziński, A. Wall. Analysis of changes in the attitudes of physiotherapy students during first degree studies at universities with different

levels of education towards taking up employment in a selected profession. Polish Physiotherapy, 2010, 10, 1: s. 25-36;

30. Białoszewski D., J. Gotlib, A. Cabak, K. Barczyk, A. Bugajski, J. Grzegorzczak, W. Kułak, P. Majcher, O. Nowotny-Czupryna, M. Płaszewski, K. Prokopowicz, J. Analysis of the opinions of physiotherapy students about study programs offered at universities with different educational profiles. Polish Physiotherapy, 2010; 10 (2): s. 136-148.

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Czupryna K, Nowotny-Czupryna O, Nowotny J: Theoretical view on neuropathological aspects of conservative treatment of scoliosis. Orthopedics, traumatology, rehabilitation, 2012, 2(6), Vol. 14, s.103-113

Nowotny-Czupryna O, Naworska B, Brzęk A, Nowotny J, Famuła A, Kmita B, Bąk K. Professional experience and ergonomic aspects of midwives' work. *International Journal Of Occupational Medicine And Environmental Health*. 2012; 25(3): 265-274.

Nowotny-Czupryna O, Kowalczyk A, Czupryna K, Nowotny J. The condition of adults treated at school age for scoliosis I. *Orthopedics, traumatology, rehabilitation*, 2012, 3 (6), 14: 229-238.

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Nowotny J, Nowotny-Czupryna O, Czupryna K, Rottermund J: Physiological and physiopathological basics of scoliosis therapy. *Medical Review of the University of Rzeszów and the National Medicines Institute in Warsaw*. 2012, X, 3/10 (3): 341-350.

Nowotny-Czupryna O, Czupryna K, Nowotny J, Brzęk A: Some possibilities of correction and compensation in the regulation of body posture in children and adolescents with low-grade scoliosis. *Orthopedics Traumatology Rehabilitation* 2012; 6(6); Vol. 14, 525-535.

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Czupryna K, Nowotny-Czupryna O, Nowotny J. Pain in the spine in mothers of children with cerebral palsy. *Orthopedics Traumatology Rehabilitation* 2014, 5(6); 16: 497-505.

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Articles sent to editor office of the scientific journal

Czupryna K, Nowotny-Czupryna O: The occurrence of pain and the change of daily life activity in people over the age of 30, continuing practicing judo.

Nowotny-Czupryna O, Czupryna K: Is the body height and weight disparity the reason for pain in physiotherapists?

Co-author of books for students and physiotherapists

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Sent to Editors

Nowotny-Czupryna O, Czupryna K. Postural disorders typical of the elderly and ways to correct them] w: Selected aspects of old age (red. J. Rottermund, A. Knapik, A. Brzęk). Wyd. SUM 2020.