

Biography

Ljubica M. Konstantinovic

Professor Ljubica M. Konstantinovic graduated Medical School in 1983 in Belgrade (Serbia). The master degree she defended in 1990 on Faculty of Medicine University of Belgrade under the title: Laser photo-biostimulation of acupuncture points for neck pain. The doctoral dissertation, she defended in 1997, under the title: The mechanism of effects of low-power laser of various wavelengths at indirect neurotrauma. The specialization in physical medicine and rehabilitation she completed and awarded in 1990. Subspecialty in Geriatrics she completed in 2011. She is employed at the Clinic for Rehabilitation "Dr Miroslav Zotovic", Faculty of Medicinel University of Belgrade as professor for scientific field of physical medicine and rehabilitation on position of Chief of postgraduate school of PMR, member of Scientific board of Medical Faculty University of Belgrade and Director for investigation and education at Clinic for rehabilitation. She has lectured on basic studies and several postgraduate courses on Medical, Dentistry and School of Electro Engineering. She has graduated more than 10 post-graduate students in fields of low level laser therapy. She is the organizer of the Acupuncture School and School of low-level laser and rehabilitation techniques in physical medicine and rehabilitation of The Center for continuous education of Medical Faculty in Belgrade. She was a president of the Serbian Acupuncture Association from 1996 to 2004 and now she is a president of expert alternative medicine board of Serbian Ministry of Health. She is a member of many professional associations. She published 160 publications on topics, which include basic researches of low-level laser applications, and laser acupuncture and clinical researches in musculoskeletal and neurological syndromes, especially in painful conditions.

Selected papers:

1. Cutovic M, Konstantinovic L, Stankovic Z, Vesovic-Potic V: Structured Exercise Program Improves Functional Capacity and Delays Relapse in Euthyroid Patients with Graves' Disease. *Disabil Rehabil* 2012, posted online mart 7 DOI: 10.3109/09638288.2012.660599.
2. Brdareski Z, Djurović A, Šušnjar S, Životić-Vanović M, Ristić A, Konstantinović Lj, Vučković Dekić Lj, Tankosić M. Effects of a short-term differently dosed aerobic exercise on maximum aerobic capacity in breast cancer survivors: A pilot study. *Vojnosanit Pregl* 2012, 69: 237-242.
3. Nikolic D, Petronic I, Cvjeticanin S, Brdar R, Cirovic D, Mizic M, Konstantinovic L, Matanovic D. Gender and morphogenetic variability of patients with spina bifida occulta and spina bifida aperta: prospective population-genetic study. *Hippokratia* 2011, 16, 1: 35-39.
4. Konstantinovic, L Cutovic M, Milovanovic A, Jovic S, Dragnin A, Letic M, Miler V. Low-Level Laser Therapy for Acute Neck Pain with Radiculopathy: A Double-Blind Placebo-Controlled Randomized Study. *Pain Med* 2010; 11:1169-78.

5. Konstantinovic LM, Kanjuh ZM, Milovanovic AN, Cutovic MR, Djurovic AG, Savic VG, Dragin AS, Milovanovic ND. Acute low back pain with radiculopathy: a double-blind, randomized, placebo-controlled study. Photomed Laser Surg 2010; 28:553-60.
6. Djurovic A, Maric D, Brdareski Z, Konstantinovic Lj, Rafajlovski S, Obradovic S, Ilic R, Mijailovic Z. Sexual rehabilitation after myocardial infarction and coronary by-pass surgery: why we are not performing our job? Vojnosanit Pregl 2010; 67: 579–587.
7. Milovanovic J, Milovanovic A, Djuricic B, Konstantinovic Lj, Djordjevic V, Stankovic P, Babic B, Djukic V. Changes in enzymes activity superoxid dismutase, glutathione reductase, reduced glutathione and quantity of malonil dialdehyde after acute aluminium poisoning. Acta vet 2007; 57: 59-68.
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9. Konstantinovic Lj, Deveterski G, Petronic I, Jovic S, Cutovic M, Cirovic D. Quality of life in patients with subacute low back pain treated with physiotherapy rehabilitation. Med pregl 2006; 59 (Suppl 1): 35-39.
10. Pavicevic-Stojanovic M, Ilic B, Vesovic-Potic V. Manojlovic-Opacic M, Konstantinovic Lj. Prognostic value of classical electrodiagnosis in patients with peripheral facial nerve paralysis. Med pregl 2006; 59 (Suppl 1): 51-54.
11. Jovic S, Cutovic M, Konstantinovic Lj, Lazovic M, Jovic M. Rehabilitation of children with apallic syndrome of traumatic or ischemic etiology. Med pregl 2006; 59 (Suppl 1): 59-61.
12. Konstantinovic Lj. Antonic M. Fundamentals of biologic effects of low power lasers , Vojnosanitet Pregl 1998; 55: 61-67.
13. Konstantinovic Lj. Antonic M. Brdareski Z. Konstantinovic, L., Antonic, M., Brdareski, Z. The combination of low power laser therapy and local corticosteroid infiltration in the treatment of radiohumeral epicondylitis. Vojnosanitet Pregl 1997; 54: 459-463.
14. Konstantinovic Lj. Cernak I. Prokic V. Influence of low level laser irradiation on biochemical processes in brainstem and cortex of intact rabbits. Vojnosanitet Pregl 1997; 54:533-540.
15. Konstantinovic Lj, Antonic M, Vucetic M, Mihajlovic M. Use of low dose lasers in physiatry. Vojnosanitet Pregl 1989; 46: 441-448.
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18. Plavsic A, Foti C, Bella GD, Brdareski Z, Nikcevic Lj, Konstantinovic Lj. Evaluation of long term effects of acupuncture and therapeutic exercises on frozen shoulder in stroke patients. Acta fisiatr 2009; 16:121-125.
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 27. Jovic S, Kanjuh Z, Konstantinovic Lj, Dragin A, Perisic D. Diagnostic, therapy and rehabilitation of patients with the diseases of lymph circulation, Proceedings of 4th ISPO Central and eastern European Conference and 5th Congress of Serbia and Montenegro Physiatrists. Belgrade, 2005: 28-30.
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Books:

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2. Srećković M, Osmokrovic P, Konstantinovic L, Arsoski V. Chosen Laser Implementations in Medicine (in Serbian). Ed.Institute for physics Faculty of Ingeineering Belgrade; 2011
3. Vesovic V, Konstantinovic L. Textbook of Physical medicine and rehabililtation Ed.Faculty of Medicine University of Belgrade (in Serbian); 2009

Projects:

1. Joint European Project 2006. Palliative and Pain Medicine Project: JEP_41171_2006
2. International study 2009-2011: Acupuncture in low back pain
3. Grant of Ministry of science of Serbia 175012, 2011-2014: Non-invasive modulation of cortical excitability