

CURRICULUM VITAE

Dobrivoje S. Stokic, M.D., D.Sc.

PERSONAL DATA

- Date of Birth: September 21, 1961
- Place of Birth: Slavonski Brod, Croatia
- Country of Citizenship: Serbia
- Marital Status: Married, 2 children (both US citizens)
- Address: Home - 334 Indian Gate Circle
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- Visa status: US permanent resident (2001)

CURRENT APPOINTMENTS:

- Senior Scientist, Center for Neuroscience and Neurological Recovery, MRC
- Administrative Director for Research, MRC
- Chair, Research Council, MRC

PREVIOUS APPOINTMENTS (FROM MOST RECENT)

- 07/98-10/06: Director, Center for Neuroscience and Neurological Recovery, Methodist Rehabilitation Center
- 07/00-07/02: *Clinical Instructor*, Department of Neurology, University of Mississippi Medical Center, Jackson, MS
- 07/99-09/99: *Adjunct Assistant Professor*, Physical Therapy Department, Samuel Merritt College, Oakland, CA
- 02/97-07/98: *Research Associate*, MRC, Jackson, MS
- 3/95- 2/97: *Research Associate*, Division of Restorative Neurology, Baylor College of Medicine, Houston, TX
- 03/94-03/95: *Chief Postdoctoral Fellow*, Division of Restorative Neurology, Baylor College of Medicine, Houston, TX
- 08/92-03/94: *Postdoctoral Fellow*, Division of Restorative Neurology, Baylor College of Medicine, Houston, TX
- 08/91-08/92: *Visiting Scientist*, Division of Restorative Neurology, Baylor College of Medicine, Houston, TX
- 11/88-08/92: *Attending Physician*, Institute for Rehabilitation "Dr. M. Zotovic", Belgrade, Yugoslavia
- 09/87- 08/88: *Intern*, School of Medicine Teaching Hospital Program, University of Belgrade, Belgrade, Yugoslavia

EDUCATION

- 11/88-11/91: University of Belgrade School of Medicine, Belgrade, Serbia (Yugoslavia); Residency in Physical Medicine and Rehabilitation. Board Certified.
- 10/81-03/87: University of Belgrade School of Medicine, Belgrade, Serbia (Yugoslavia), M.D. degree

POSTGRADUATE EDUCATION

- 06/06: *Doctor of Sciences*, University of Belgrade School of Medicine, Belgrade, Serbia

- 05/03: *Master of Sciences*, University of Belgrade School of Medicine, Belgrade, Serbia
- 08/92-02/95: *Postdoctoral Research Fellow*, Division of Restorative Neurology and Human Neurobiology, Baylor College of Medicine, Houston, TX
- 10/88-06/90: *Masters Program in Physical Medicine and Rehabilitation*, Postgraduate Medical School, University of Belgrade, Belgrade, Yugoslavia

CERTIFICATION AND LICENSURE

- 05/03: PMR Boards, University of Belgrade School of Medicine, Belgrade, Serbia
- 03/94: US Medical Licensure Examination (USMLE) Step 2- Clinical Sciences
- 09/94: US Medical Licensure Examination (USMLE) Step 1- Basic Sciences

PROFESSIONAL AFFILIATIONS

- SFN- Society for Neuroscience (Regular Member since 1995)
- AANEM (formerly AAEM)- American Academy of Neuromuscular and Electrodiagnostic Medicine (Associate Member since 1995)
- ACNS- American Clinical Neurophysiology Society (Regular Member since 1995)
- ASNR- American Society for Neurorehabilitation (Regular Member since 1998)
- IFCN- International Federation of Clinical Neurophysiology (Member since 2002)
- ACRM- American Congress of Rehabilitation Medicine (Active Member since 2004)
- WFNR- World Federation of Neurological Rehabilitation (Regular Member since 2005)
- ISCoS- International Spinal Cord Society (Full Member since 2006)

AD-HOC JOURNAL REVIEWER

- Muscle & Nerve (1998, 2001, 2003, 2004, 2005, 2007)
- Clinical Neurophysiology (1998, 2005)

- Journal of Physiology (2002)
- IEEE Transactions on Neural Systems & Rehabilitation Engineering (2003)
- Archives of Physical Medicine and Rehabilitation (2004)

AD-HOC GRANT REVIEWER

- 2007, 2006 The Netherlands Organization for Health Research and Development
- 2006, National Institute for Disability and Rehabilitation Research, US Department of Education (two rounds of competition)

INVITED PRESENTATIONS (FROM MOST RECENT)

9. 09/06: "Consideration for translating emerging treatments of acute and chronic spinal cord injury into clinical settings. International symposium of spinal cord motor control: *"From denervated muscles to neurocontrol of locomotion"* Ljubljana, Slovenia.
8. 05/03: "Neurophysiological monitoring for intrathecal baclofen pump management and troubleshooting". Keynote lecture at the 2nd World Congress of Physical Medicine and Rehabilitation, Prague, Czeck Republic
7. 10/02: "Neurophysiological basis for recovery of motor function after central nervous system injury or disease". Keynote lecture at the 50th anniversary of Rehabilitation Clinic "Dr. Zotovic" Belgrade, Serbia
6. 9/02: "Muscle tone and spasticity". School of Health Related Professions (PT Program), Jackson, MS
5. 03/02: "Clinical and laboratory findings after body weight-supported ambulatory training in spinal cord and brain injury". Regional Rehabilitation Center Foligno, Perugia, Italy
4. 01/02: "Body weight-supported ambulatory training: a novel approach for restoration of gait after SCI". Dptm. of Neurosurgery, University of Mississippi Medical Center, Jackson, MS
3. 10/01: "Body weight-supported ambulatory training after SCI: clinical and laboratory findings". Rehabilitation Clinic "Dr. Zotovic" Belgrade, Serbia
2. 3/06: "Spinal motoneuron excitability following acute spinal cord injury in man". Baylor College of Medicine, Department of PM&R, Research Education and Development Seminar. Houston, TX

1. 12/04: “Characteristics of neuromuscular fatigue in upper motor neuron dysfunction”. Baylor College of Medicine, Dept of PM&R, Research Education and Development Seminar. Houston, TX

TEACHING/MENTORING

8. PhD Advisory Committee member (12/06-): Amy Sullivan, PhD Candidate (School of Graduate Studies in the Health Sciences, Un. Of Mississippi Medical Center); Project Title: “Oral health in people with chronic spinal cord injury.”
7. Research Advisor (10/06-): Huda Ali, Psychology Major (Millsaps College, Jackson, MS); Project Title: “Development of internet-based self-care education program.”
6. Research Advisor (10/04-): Wardah Ali, Psychology Major (Millsaps College, Jackson, MS); Project Title: “Two-Point Table Tapping Task: Development, Feasibility, and Psychometric Properties.”
5. Co-Mentor for MS Project/Thesis (1/00- 12/04): Patricia Oyarce, PT, MS Program in Physical Therapy, Samuel Merritt College, Oakland, CA
4. Research Paper Advisor (3/00): Landry Barnes, 3rd year Physical Therapy Assistant Program, Hinds Community College, Jackson, MS
3. Mentor for summer lab class PT 416 (6/99-8/99): Patricia Oyarce, PT, MS Program in Physical Therapy, Samuel Merritt College, Oakland, CA
2. Project Advisor for ABE 4812 Principles of Engineering Design (9/98-5/99): John D. Belknap & Dana L. Kozain, Mississippi State Univ., Starkville, MS: Project Title: “Suspension and monitoring system for treadmill gait trainer” (voted best project in the class)
1. Mentor, High school science fair project (12/98-3/99): Shana Jagwani (St. Andrews High School, Jackson, MS)- Project Title: “The effect of standing on spinal cord excitability in people with spinal cord injury” (3rd place on regional, 4th place on state science fair)

AREAS OF RESEARCH INTEREST

- Neurophysiological markers of motor function after CNS injury or disease
- Motor control, human motor cortex and spinal reflex physiology
- Natural course and recovery of motor functions after CNS injury or disease

FUNDING

Active

3. Role: **Project Principal Investigator- 20% effort**
Project Title: *"Utility of transcranial magnetic stimulation for prediction, characterization, and design of rehabilitation intervention for motor dysfunction after traumatic brain injury"*
Project Directors: M Sherer, Ph.D. and SA Yablon, M.D.
Title: Traumatic Brain Injury Model System of Mississippi
(Program Project)
Sponsor: National Institute for Disability and Rehabilitation Research
(NIDRR)
Period: 10/02-9/07

2. Role: **Co-Principal Investigator- 10% effort**
Title: *"Clinical and Electrophysiological Evaluation of the Adjustable Parameters of the Synchromed® Intrathecal Baclofen Pump for Control of Spasticity due to Acquired Brain or Spinal Cord Injury"*
Sponsor: Medtronic Inc, Minneapolis, MN
Period: 12/06-4/08

1. Role: **Co-Investigator- 5% effort**
Project Title: *"Utility of an intrathecal baclofen bolus injection screening protocol in the prediction of functional ambulation outcome among patients with dysfunctional spasticity due to acquired brain injury"*
Principal Investigator: SA Yablon
Sponsor: Medtronic Inc, Minneapolis, MN.
Period: 2003-2007

Pending

Previous:

8. Role: **Principal Investigator**
Project Title: *"THANKS MISSISSIPPI (Transitioning Home and Acquiring Necessary Knowledge about Self-care in Mississippi)"*
Sponsor: Mississippi Department of Rehabilitation Services, Jackson, MS
Period: 7/05-7/06

7. Role: **Principal Investigator**
Project Title: *"Innovative Rehabilitation Services for Mississippians with Spinal Cord Injury"*
Sponsor: The Craig H. Neilsen Foundation, Valley Village, CA
Period: 12/04-12/05

6. Role: **Co-Principal Investigator**
Project Title: *"Prospective follow-up after West Nile virus infection: The impact of muscle weakness"*
Sponsor: Mississippi Department of Health, Jackson, MS
Period: 7/03-7/04

5. Role: **Principal Investigator**
Project Title: *"THANKS MISSISSIPPI (Transitioning Home and Acquiring Necessary Knowledge about Self-care in Mississippi)"*
Sponsor: Mississippi Department of Rehabilitation Services, Jackson, MS
Period: 7/03-7/04

4. Role: **Principal Investigator**
Project Title: *"Resource and Information Center for Independence in Mississippi"*
Sponsor: Mississippi Paralysis Association, Jackson, MS
Period: 7/03-7/04

3. Role: **Principal Investigator**
Title: *"Rehabilitation research and education against disability in Mississippi"*
Sponsor: Lucky Day Foundation, Jackson, MS
Period: 1/2003-1/2004

2. Role: **Project Principal Investigator**
Project Title: *"Evaluation of neurophysiological measures of cognitive functions after traumatic brain injury for the prediction of rehabilitation outcomes"*
Project Directors: M. Sherer, PhD and S.A. Yablon, M.D.
Title: Traumatic Brain Injury Model System of Mississippi
(Program Project)
Sponsor: National Institute for Disability and Rehabilitation Research (NIDRR)
Period: 1998-2002

1. Role: **Principal Investigator**
Project Title: *"RehabNet: communication and information network for extending continuum of care after brain and spinal cord injury: an exploratory study"*
Sponsor: Mississippi Paralysis Association, Jackson, MS
Period: 10/2001-10/2002

BIBLIOGRAPHY (FROM MOST RECENT)

I.A Articles

42. **Stokic DS**, Yablon SA, Hayes A, Vesovic-Potic V, Olivier J. Dose-response relationship between the H-reflex and continuous intrathecal baclofen administration for management of spasticity. **Clinical Neurophysiology** 117(6):1283-9, 2006.
41. **Stokic DS**, Yablon SA, Hayes A. Comparison of clinical and neurophysiological responses to intrathecal baclofen bolus administration in moderate-to-severe spasticity after acquired brain injury. **Archives of Physical Medicine and Rehabilitation**. 86(9): 1801-1806, 2005
40. Leis AA, **Stokic DS**, Olivier J. Statins and polyneuropathy: Setting the record straight. **Muscle & Nerve (Editorial)**. 32:428-430, 2005
39. Horn TS, Yablon SA, **Stokic DS**. Effect of intrathecal baclofen bolus injection on temporo-spatial gait characteristics in patients with acquired brain injury. **Archives of Physical Medicine and Rehabilitation**. 86(6):1127-1133, 2005.
38. Leis AA, **Stokic DS**: Neuromuscular manifestations of human West Nile virus infection. **Current Treatment Options in Neurology**. 7(1):15-22, 2005
37. Yablon SA, **Stokic DS**: Neurophysiological evaluation of spastic hypertonia: Implications for management of the patient with the intrathecal baclofen pump. **American Journal of Physical Medicine and Rehabilitation** 83 (Supl. 10):S8-10, 2004.
36. McKay WB, Lim HK, Priebe MM, **Stokic DS**, Sherwood AM: Clinical neurophysiological assessment of residual motor control in post-spinal cord injury paralysis. **Neurorehabilitation and Neural Repair**. 18(3):144-153, 2004
35. Fratkin J, Leis AA, **Stokic DS**, Webb RM, Slavinski AS: The spinal cord pathology in West Nile virus infection. **Archives of Pathology & Laboratory Medicine** 128:533-537, 2004.
34. Leis AA, **Stokic DS**, Webb RM, Slavinski AS, Fratkin J: Clinical spectrum of muscle weakness in human West Nile virus infection. **Muscle & Nerve** 28(3):302-308, 2003.
33. Sejvar J, Haddad MB, Tierney BC, Campbell GL, Marfin AA, Van Gerpen JA, Fleischauer A, Haddad MB, Tierney BC, Leis AA, **Stokic DS**, Petersen LR: Neurologic manifestations and outcome of West Nile virus infection. **JAMA** 290(4):511-515, 2003.
32. Sejvar J, Leis AA, **Stokic DS**, Van Gerpen JA, Marfin AA, Webb RM, Haddad MB, Tierney BC, Slavinski SA, Polk JL, Dostrow V, Winkelmann M, Petersen LR: Acute flaccid paralysis associated with West Nile virus infection. **Emerging Infectious Diseases** 9(7): 788-793, 2003

31. Leis AA, **Stokic DS**, Fratkin J: A poliomyelitis-like syndrome from West Nile virus infection (reply). **New England Journal of Medicine**, 348:565-566, 2003.
30. Leis AA, Lancon JA, **Stokic DS**: Retrograde regeneration following neurotmesis of the ulnar nerve. **Muscle & Nerve** 28(4):512-54, 2003.
29. Leis AA, **Stokic DS**, Shepherd JM: Depression of spinal motoneurons may underlie weakness associated with severe anemia. **Muscle & Nerve** 27:108-112, 2003
28. Leis AA, Fratkin J, **Stokic DS**, Harrington T, Web RM, Slavinski AS: West Nile poliomyelitis. **Lancet Infectious Diseases** 3 (1): 9-10, 2003.
27. Leis AA, **Stokic DS**, Polk JL, Dostrow V, Winkelmann M: A poliomyelitis-like syndrome from West Nile virus infection. **New England Journal of Medicine** 347(16):1279-1280, 2002.
26. Leis AA, **Stokic DS**, Polk J, Dostrow V, Winkelman M, Webb R, Slavinski S, Currier M, Van Gerpen J, Brewer E, Ratard R, Sejvar J, Petersen L, Marfin A, Campbell G, Tierney B, Haddad M, Montgomery S, Vicari A. Acute flaccid paralysis syndrome associated with West Nile virus infection- Mississippi and Louisiana, July-August 2002. **Morbidity and Mortality Weekly Report** 51:825-828, 2002 (reprint in **JAMA** 255(18):1839-1840, 2002)
25. Hayes AV, Leis AA, **Stokic DS**: Importance of montage variation for the assessment of the cervical spinal cord. **American Journal of Electroneurodiagnostic Technology** 42:34-42, 2002.
24. Hardy SGP, Spalding TB, Liu H, Nick TG, Pearson RH, Hayes AV, **Stokic DS**: The effect of transcutaneous electrical stimulation on spinal motor neuron excitability in people without known neuromuscular diseases: The roles of stimulus intensity and location. **Physical Therapy** 82(4): 354-363, 2002.
23. Leis AA, **Stokic DS**, Furh P, Kofler M, Kronenberg MF, Wiessel J, Glocker, FX, Seifert C, Stetkarova I: Nociceptive fingertip stimulation inhibits synergistic motoneuron pools in the human upper limb. **Neurology** 55 (9):1305-1309, 2000.
22. Pantoja JG, Andrade FH, **Stokic DS**, Frost AE, Eschenbacher WE, Reid MB: Respiratory and limb muscle function in lung allograft recipients: Respiratory and limb muscle function in lung allograft recipients. **American Review of Respiratory and Critical Care Medicine** 160(4):1205-1116, 1999.
21. Milliken GW, **Stokic DS**, Tarkka IM: Noninvasive source analysis of the human movement related cortical potentials related to foot, finger and mouth movements. **Journal of Clinical Neurophysiology**, 16(4): 361-372, 1999.

20. Leis AA, Kofler M, **Stokic DS**: Transcranial magnetic stimulation (TMS) induces inhibition at a cortical level [letter; comment]. **Muscle & Nerve**, 21(4): 551, 1998.
19. Tarkka IM, **Stokic DS**: Source localization of P300 from oddball, single stimulus, and omitted-stimulus paradigms. **Brain Topography**, 11(2): 141-151, 1998.
18. Zupan B, **Stokic DS**, Bohanec M, Priebe MM, Sherwood AM: Relating clinical and neurophysiological assessment of spasticity by machine learning. **International Journal of Medical Informatics**, 49(2): 243-252, 1998.
17. **Stokic DS**, McKay WB, Scott L, Sherwood AM, Dimitrijevic MR: Intracortical inhibition of lower limb motor evoked potentials after paired transcranial magnetic stimulation. **Experimental Brain Research** 117(3): 437-443, 1997.
16. McKay WB, **Stokic DS**, Dimitrijevic MR: Assessment of corticospinal function after SCI using transcranial motor cortex stimulation. **Journal of Neurotrauma** 14(8), 539-548, 1997.
15. Tarkka IM, Micheloyannis S, **Stokic DS**: Generators of the human P300 elicited by somatosensory stimuli using multiple dipole source analysis. **Neuroscience** 75(1): 275-287, 1996.
14. Leis AA, Stetkarova I, Beric A, **Stokic DS**: The relative sensitivity of F wave and H-reflex to changes in motoneuronal excitability. **Muscle & Nerve** 19(10): 1342-1344, 1996.
13. McKay WB, **Stokic DS**, Sherwood AM, Vrbova G, Dimitrijevic MR: Effect of fatiguing maximal voluntary contraction on excitatory and inhibitory responses elicited by transcranial magnetic motor cortex stimulation. **Muscle & Nerve** 19(8): 1017-1024, 1996.
12. Leis AA, Kronenberg MF, Stetkarova I, Paske WC, **Stokic DS**: Spinal motoneuron excitability after acute spinal cord injury in humans. **Neurology** 47: 231-237, 1996.
11. Lewko JP, **Stokic DS**, Tarkka IM: Dissociation of cortical areas responsible for evoking excitatory and inhibitory responses in the small hand muscles. **Brain Topography** 8(4): 397- 405, 1996.
10. Dimitrijevic MM, **Stokic DS**, Wawro A, Wun CC: Modification of motor control of wrist extension movement by "Mesh-glove" electrical afferent stimulation in stroke patients. **Archives of Physical Medicine and Rehabilitation** 77(3): 252-258, 1996.
9. Leis AA, Stetkarova I, Beric A, **Stokic DS**: Spinal motor neuron excitability during cutaneous silent period. **Muscle & Nerve** 18(12): 1464-1470, 1995.
8. Tarkka IM, **Stokic DS**, Basile LFH, Papanicolaou AC: Electrical source

localization of auditory P300 agrees with magnetic source localization.
Electroencephalography and Clinical Neurophysiology 96: 538-545, 1995.

7. McKay WB, Tuel SM, Sherwood AM, **Stokic DS**, Dimitrijevic MR: Focal depression of cortical excitability induced by fatiguing muscle contraction: A transcranial magnetic stimulation study. **Experimental Brain Research** 105: 276-282, 1995.
6. Leis AA, Grubwieser GJ, Schild JH, West S, **Stokic DS**: Control of Ia afferent input to triceps surae (soleus) locomotor nucleus precedes agonist muscle activation during gait. **Journal of EMG and Kinesiology** 5(2): 95-100, 1995.
5. Reid MB, **Stokic DS**, Koch SM, Khwali F, Leis AA: N-acetylcystein inhibits human muscle fatigue. **Journal of Clinical Investigation** 94(12): 2468-2474, 1994.
4. Stetkarova I, Leis AA, **Stokic DS**, Delapasse JS, Tarkka IM: Characteristics of the silent period following transcranial magnetic stimulation. **American Journal of Physical Medicine and Rehabilitation** 73(2): 98-102, 1994.
3. Leis AA, Schild JH, **Stokic DS**: Modulation of the tibialis anterior and triceps surae (soleus) H-reflexes during gait. (Letter) **Muscle & Nerve** 17(1): 119-120, 1994.
2. Leis AA, Kofler M, **Stokic DS**, Grubwieser GJ, Delapasse JS: Effect of the inhibitory phenomenon following magnetic stimulation of the cortex on brainstem motor neuron excitability and on the cortical control of brainstem reflexes. **Muscle & Nerve** 16(12): 1351-1358, 1993.
1. Reid MB, Grubwieser GJ, **Stokic DS**, Koch SM, Leis AA: Development and reversal of fatigue in human tibialis anterior. **Muscle & Nerve** 16(11): 1239-1245, 1993.

I.B Articles in Press

1. Gontkovsky ST, Russum P, **Stokic, DS**. Information Needs of Community-Dwelling Persons with Chronic Spinal Cord Injury in Mississippi: Results of a Health Survey. **Disability & Rehabilitation**, 2006

I.C Articles Submitted

- 1.

I.D Books/Chapters:

3. **Stokic DS**, Yablon SA: Neurophysiological basis and clinical applications of the H-reflex as an adjunct for evaluating response to intrathecal baclofen for spasticity. In: Sakas, DE, Simpson, BA. (eds.) *Operative neuromodulation volume 1: Functional neuroprosthetic surgery*. Acta Neurochirurgica Supplement 97, Springer-Verlag, Wien, 2007.
2. **Stokic DS**, Leis AA: Blink reflex. In. Fay Chiou (ed). **EMG Secrets**. Hanley & Belfus, Inc. Philadelphia, 2003 pp. 91-100.
1. **Stokic DS**, Yablon SA: Neurophysiological evaluation for intrathecal baclofen pump management and troubleshooting. In Soroker N and Ring H (Eds). **Advances in Physical and Rehabilitation Medicine**. Monduzzi Editore 2003. pp. 147-153.

I.E Abstracts Published

72. Lee DC, McKay WB, **Stokic DS**, Lee JE, Lim HK, Sherwood AM: Extraction of distinctive components of motor control from surface EMG in healthy and spinal cord-injured patients. ISEK Conference, Turin, Italy, June 2006.
71. **Stokic DS**, Grissom SP: Consideration for translating emerging treatments of acute and chronic spinal cord injury into clinical settings. International symposium of spinal cord motor control “*From denervated muscles to neurocontrol of locomotion*” Proceedings pgs. 79-81, Ljubljana, Slovenia, September 7-9, 2006.
70. Lee DC, Horn TS, Ramshur J, **Stokic DS**: Toward an objective interpretation of surface EMG patterns during human gait. *2005 Abstract Viewer #864.11. Society for Neuroscience Abstracts*, 2005.
69. Leis AA, **Stokic DS**: Long-term Assessment of Motor Function After Severe West Nile Virus Infection. **Neurology 2005**.
68. Russum P, **Stokic DS**. Development of a teleconference program for spinal cord injury education after discharge. **SCI Nursing**, 21(4):243, 2004.
67. Horn TS, Yablon SA, de Mola LL, **Stokic DS**. Effect of intrathecal baclofen bolus injection on gait kinematics in patients with dysfunctional spasticity due to acquired brain injury. **Gait & Posture**, 20 (Supplement 1): S9, 2004.
66. Gontkovsky ST, Russum P, Lee E, Stokic DS. Community reintegration following spinal cord injury: Normative data and association with demographics. **SCI Psychosocial Process**, 16(4): 286-287, 2003
65. Oyarce P, Yablon SA, **Stokic DS**: The relationship between walking-FIM scores and measures of walking performance during recovery from acquired brain injury. **Journal of Neurological Physical Therapy** 27 (4):168, 2003.

64. Leis AA, **Stokic DS**: Clinical and electrodiagnostic features of weakness in West Nile virus infection. **Muscle & Nerve** 28: S47, 2003.
63. **Stokic DS**, Hayes A, Leis AA: Effect of frequency and response size on H-reflex depression in spasticity. **Muscle & Nerve** 28: S127, 2003.
62. Stevanovic S, Stefanovic A, **Stokic DS**: Whole-hand afferent stimulation alters spinal excitability in chronic stroke. **Muscle & Nerve** 28: S155, 2003.
61. Stevanovic S, **Stokic DS**: Paraspinal and limb muscle EMG in relation to recurrence of radicular symptoms. **Muscle & Nerve** 28: S154, 2003.
60. **Stokic DS**, Hayes A, Gontkovsky ST, Nakase-Thompson R, Yablon SA, Sherer M: Relationship Between P300 and Neuropsychological Test Performance During Early Recovery from Traumatic Brain Injury. **Archives Physical Medicine and Rehabilitation** 2003; 84: P30.
59. **Stokic DS**, Hayes A, Yablon SA. Sensitivity of H-reflex in detecting response to complex-continuous mode of intrathecal baclofen delivery. **Archives Physical Medicine and Rehabilitation** 2003; 84: A2.
58. Yablon SA, Horn TS, de Mola LL, **Stokic DS**: Computerized motion analysis of ambulation during intrathecal baclofen bolus trial and comparison with continuous infusion after ITB pump implantation among patients with dynamic hypertonia due to acquired brain injury. **Neurology** 2003;80 (Suppl 1):A9.
57. Fratkin J, Harrington T, Leis AA, **Stokic DS**, Webb RM, Slavinski SA: West Nile Virus: III. Spinal cord neuropathology and muscle weakness. **Neurology** 2003;80 (Suppl 1):A97.
56. Slavinski SA, Webb RM, Leis AA, **Stokic DS**, Harrington, T, Fratkin J: West Nile Virus: II. Neuropathology in vertebrates: **Neurology** 2003;80 (Suppl 1):A108.
55. Leis AA, **Stokic DS**, Harrington T, Webb RM, Slavinski SA, Fratkin J,: West Nile Virus: I. Spectrum of muscle weakness in human infection. **Neurology** 2003;80 (Suppl 1):A107.
54. Russum PR, Lee EC, **Stokic DS**: Community integration one year after spinal cord injury. **SCI Nursing** 19: 235, 2002.
53. **Stokic DS**, Yablon SA, Hayes A: Evaluation of spinal motor neuron excitability during intrathecal baclofen (ITB) bolus trial in acquired brain injury: H-reflex and F wave responses. **American Journal of Physical Medicine and Rehabilitation** 81(7):542, 2002.
52. Peyton KS, Bowden MG, **Stokic DS**: Effect of wheelchair footrest height on static sitting pressures. **Neurology Report** Vol 25(4) pg. 146, 2002.

51. Yablon SA, Hayes A, **Stokic DS**: The utility of the H-reflex for monitoring the delivery of continuous intrathecal baclofen (CITB) in patients with dysfunctional spasticity: 2. Dose adjustment and troubleshooting. **Neurorehabilitation and Neural Repair** 15(4):328, 2001.
50. **Stokic DS**, Hayes A, Yablon SA: The utility of H-reflex for monitoring the delivery of continuous intrathecal baclofen (ITB) in patients with dysfunctional spasticity: 1. Repeatability and dose-response relationship. **Neurorehabilitation and Neural Repair** 15(4):327, 2001.
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48. Bowden MG, Huff AC, **Stokic DS**: Clinical evaluation of strength and spasticity during intrathecal and oral baclofen titration in incomplete SCI. **Neurology Report** Vol 24(5) pg. 195, 2001.
47. **Stokic DS**, Oyarce P, Hayes A, Yablon SA: Neurophysiological and clinical evaluation of intrathecal baclofen bolus trial in acquired brain injury. **Neurorehabilitation and Neural Repair** Vol 14 (1)pg. 77, 2000
46. **Stokic DS**, Bowden MG, Horn TS, Winkelmann M, Mueller S, Wernig A: Partial Weight Supported Treadmill Training Six Months After Incomplete Spinal Cord Injury (SCI): A Single Subject Design. **American Journal of Physical Medicine and Rehabilitation** Vol. 79(2) pg. 214, 2000.
45. Bowden MG, Ware TH, Winkelmann M, Muller S, Wernig A, **Stokic DS**: Long-term clinical outcome of body weight supported treadmill training in chronic SCI. **Neurology Report** Vol 23, 2000.
44. **Stokic DS**, Bowden MG, Horn, TS, Winkelmann M, Wernig A: Walking performance of two spinal cord injured patients after 6 weeks of body-weight supported ambulatory training on treadmill. **Archives of Physical Medicine and Rehabilitation**, Vol 80, pg. 1196, 1999.
43. Horn, TH, Yablon SA, **Stokic DS**: Comparison between overground walking and body-weight supported treadmill ambulation: Kinematic and EMG analysis in a healthy subject. **Neurorehabilitation and Neural Repair**, Vol. 13(1), pg. 40, 1999.
42. Horn TS, Bowden MG, Winkelmann M, Wernig A, **Stokic DS**: Effect of body weight supported treadmill training upon lower extremity joint kinematics and EMG patterns in chronic SCI patients. **Society for Neuroscience Abstracts**, Vol. 25, pg. 1153, 1999.
41. **Stokic DS**, Bowden MG, Winkelmann M, Muller S, Wernig A: Clinical outcome of body-weight supported treadmill training on outpatient basis in chronic SCI patients. **Society for Neuroscience Abstracts**, Vol. 25, pg. 1153, 1999.

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I.F Abstracts submitted/presented/accepted

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PLATFORM/COURSE PRESENTATIONS

13. Consideration for translating emerging treatments of acute and chronic spinal cord injury into clinical settings. Platform Presentation , International symposium of spinal cord motor control "*From denervated muscles to neurocontrol of locomotion*", Ljubljana, Slovenia, September 7-9, 2006.
12. Sensitivity of H-reflex in detecting response to complex-continuous mode of intrathecal baclofen delivery. Platform presentation, joint annual meeting of *American Society for Neurorehabilitation and American Congress of Physical Medicine and Rehabilitation* Tucson, AZ, October, 2003.
11. Clinical & electrophysiological evaluation of response to continuous intrathecal baclofen administration. Workshop Presentation, *2nd World Congress of Physical Medicine and Rehabilitation*, Prague, Czeck Republic, May 2003.
10. Prediction of gait recovery after stroke: where it starts, where it ends? Course title: "*Advances in Rehabilitation of Neurological and Amputee Gait*". Jackson, MS March, 2003
9. Contemporary approach to spinal cord injury: from spinal shock to partial-weight supported gait training. Course title: "*Trauma in the New Millennium*". Jackson, MS, May 2000.
8. Effect of digital nerve stimulation on single fiber F response. Platform presentation, *American Academy of Electrodiagnostic Medicine annual meeting*, Minneapolis, MN October, 1996.
7. Spinal motoneuron excitability following acute spinal cord injury in man. Baylor College of Medicine, Department of PM&R, *Research Education and Development Seminar*. Houston, TX, March, 1996

6. Characteristics of neuromuscular fatigue in upper motor neuron dysfunction. Baylor College of Medicine, Dept of PM&R, *Research Education and Development Seminar*. Houston, TX, December, 1994.
5. Isokinetic dynamometry and pendulum test for the assessment of spasticity. Course presentation at “*Assessment and Control of Spasticity in Upper Motor Neuron Disorders*”. Baylor College of Medicine. Houston, TX, October 22-26, 1994
4. Plasticity of somatosensory cortex: evidence and perspectives. *Restorative Neurology Seminar*, Baylor College of Medicine. Houston, TX, August 23, 1993
3. Assessment of the upper limb functions after stroke. *Restorative Neurology Seminar*, Baylor College of Medicine. Houston, TX, March 26, 1993
2. Neurostimulation methods for correcting functional imbalances. *Restorative Neurology Seminar*, Baylor College of Medicine. Houston, TX, February 1, 1993
1. Motor control of the hand after stroke and its modification by a selective sensory input. *Restorative Neurology Seminar*, Baylor College of Medicine. Houston, TX, June 29, 1992

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