

## List of Scientific Publications (4.6.15):

### B1. Original Articles:

#### B1.1. Published Articles:

1. Barak Y, Karov Y, Levin S, Soroker N, Barach A, Lancet M, Nir E.  
Granulocyte-macrophage colonies in cultures of human fetal liver cells: morphologic and ultrastructural analysis of proliferation and differentiation.  
Experimental Hematology, 1980; 8:837-844.
2. Groswasser Z, Reider I, Soroker N, Machtey Y.  
Magnetic resonance imaging in head injured patients with normal late computed tomography scans.  
Surgical Neurology, 1987; 27:331-337.
3. Soroker N, Groswasser Z, Costeff H.  
Practice of prophylactic anticonvulsant treatment in head injury.  
Brain Injury, 1989; 3:137-140.
4. Costeff H, Groswasser Z, Soroker N, Van Belle G.  
Covariance analysis of laboratory variance in steady-state serum phenytoin concentrations.  
Clinical Pharmacokinetics, 1991; 20:331-335.
5. Oksenberg A, Soroker N, Solzi P, Reider-Groswasser I.  
Polysomnography in locked-in syndrome.  
Journal of Electroencephalography and Clinical Neurophysiology, 1991; 78:314-317.
6. Vakil E, Galek S, Soroker N, Ring H, Gross Y.  
Differential effect of right and left hemispheric damage on two memory tasks: free recall and frequency judgment.  
Neuropsychologia, 1991; 29:981-992.
7. Gonen J, Ring H, Stern M, Soroker N.  
Art therapy with stroke patients - a pilot study.  
NeuroRehabilitation, 1992; 2:36-44.
8. Vakil E, Soroker N, Biran N.  
Differential effect of right and left hemispheric lesions on two memory tasks: free recall of items and recall of spatial location.  
Neuropsychologia, 1992; 30:1041-1051.
9. Dimitrijevic MM, Soroker N.  
Modulation of residual upper limb motor control after stroke with whole-hand electric stimulation.  
Scandinavian Journal of Rehabilitation Medicine, 1994; 26:187-190.
10. Soroker N, Cohen T, Baratz C, Glicksohn J, Myslobodsky MS.  
Is there a place for ipsilesional eye patching in neglect rehabilitation?  
Behavioural Neurology, 1994; 7:159-164.
11. Weisz J, Soroker N, Oksenberg A, Myslobodsky MS.  
Effects of hemi-thalamic damage on k-complexes evoked by monoaural stimuli during midafternoon sleep.  
Journal of Electroencephalography and Clinical Neurophysiology, 1995; 94:148-150.

12. Soroker N, Calamaro N, Myslobodsky MS.  
Ventriloquist effect reinstates responsiveness to auditory stimuli in the "ignored" space in patients with hemispatial neglect.  
Journal of Clinical and Experimental Neuropsychology, 1995;17:243-255.
13. Calamaro N, Soroker N, Myslobodsky MS.  
False recovery from auditory hemineglect produced by source misattribution of auditory stimuli (the ventriloquist effect).  
Restorative Neurology and Neuroscience, 1995;7:151-156.
14. Soroker N, Calamaro N, Myslobodsky MS.  
"McGurk illusion" to bilateral administration of sensory stimuli in patients with hemispatial neglect.  
Neuropsychologia, 1995; 33:461-470.
15. Serfaty C, Soroker N, Gliksohn J, Sepkuti J, Myslobodsky MS.  
Does monocular viewing improve target detection in hemispatial neglect?  
Restorative Neurology and Neuroscience, 1995; 9:77-83.
16. Dimitrijevic MM, Soroker N, Pollo FE.  
Mesh-Glove Electrical Stimulation.  
Science and Medicine, 1996; 3:54-63.
17. Ben-Arzi A, Gliksohn J, Soroker N, Margalit M, Myslobodsky MS.  
An assessment of hemineglect in children with attention deficit hyperactivity disorder.  
Developmental Neuropsychology, 1996; 12:271-281.
18. Cohen A, Wasserman A, Soroker N.  
Learning spatial sequences in unilateral neglect.  
Psychological Research, 1997; 60:42-52.
19. Pavlovskaya M, Sagi D, Soroker N, Ring H.  
Visual extinction and cortical connectivity in human vision.  
Cognitive Brain Research, 1997; 6:159-162.
20. Pavlovskaya M, Glass I, Soroker N, Blum B, Groswasser Z.  
Coordinate frame for pattern recognition in unilateral spatial neglect.  
Journal of Cognitive Neuroscience, 1997; 9:824-834.
21. Soroker N, Calamaro N, Glicksohn J, Myslobodsky MS.  
Auditory inattention in right-hemisphere damaged patients with and without visual neglect.  
Neuropsychologia, 1997; 35:249-256.
22. Vakil E, Soroker N, Bornstein E.  
The effect of right and left hemispheric lesions on effortful and automatic memory tasks.  
Laterality, 1998; 3:143-159.
23. Hadar U, Burstein A, Krauss R, Soroker N.  
Ideational gestures and speech in brain damaged subjects.  
Language and Cognitive Processes, 1998; 13:59-76.
24. Hadar U, Wenkert D, Krauss R, Soroker N.  
Gesture and the processing of speech: Neuropsychological Evidence.  
Brain and Language, 1998; 62:107-126.

25. Katz N, Hartman-Maeir A, Ring H, Soroker N.  
Functional disability and rehabilitation outcome in right hemisphere damaged patients with and without unilateral spatial neglect.  
Archives of Physical Medicine and Rehabilitation, 1999; 80:379-384.
26. Bentin S, Deouell L, Soroker N.  
Selective streaming of visual information in face recognition: evidence from developmental prosopagnosia.  
NeuroReport, 1999; 10:823-827.
27. Kasher A, Batori G, Soroker N, Graves D, Zaidel E.  
Effects of right- and left-hemisphere damage on understanding conversational implicatures.  
Brain and Language, 1999; 68:566-590.
28. Katz N, Hartman-Maeir A, Ring H, Soroker N.  
Relationships of cognitive performance and daily function of clients following right hemisphere stroke: Predictive and ecological validity of the LOTCA battery.  
The Occupational Therapy Journal of Research, 1999; 19:241-255.
29. Giora R, Zaidel E, Soroker N, Batori G, Kasher A.  
Differential effect of right- and left hemispheric damage on understanding sarcasm and metaphor.  
Metaphor and Symbol, 1999; 15:63-83.
30. Sapir A, Soroker N, Berger A, Henik A.  
Inhibition of return in spatial attention: direct evidence for collicular generation.  
Nature Neuroscience, 1999 (December); 2:1053-1054.
31. Gonen J, Soroker N.  
Art therapy in stroke rehabilitation: a model of short-term group treatment.  
The Arts in Psychotherapy, 2000; 27:41-50.
32. Deouell LY, Bentin S, Soroker N.  
Electrophysiological evidence for early (pre-attentive) information processing deficit in patients with right hemisphere damage and unilateral neglect.  
Brain, 2000; 123:353-365.
33. Zaidel E, Kasher A, Soroker N, Batori G, Giora R, Graves D.  
Hemispheric contributions to pragmatics.  
Brain and Cognition, 2000; 43:438-443.
34. Deouell LY, Soroker N.  
What is extinguished in auditory extinction?  
NeuroReport, 2000; 11:3059-62.
35. Pavlovskaya M, Sagi D, Soroker N.  
Contrast dependence of perceptual grouping in brain-damaged patients with visual extinction.  
Spatial Vision, 2000; 13:403-414.
36. Zaidel E, Kasher A, Soroker N, Batori G.  
Effects of right and left hemisphere damage on performance of the "right-hemisphere communication battery".  
Brain and Language, 2002; 80:510-535.
37. Hartman-Maeir A, Soroker N, Katz N.  
Anosognosia for hemiplegia in stroke rehabilitation.  
Neurorehabilitation and Neural Repair, 2001, 15:213-222.

38. Hartman-Maeir A, Soroker N, Ring H, Katz N.  
Awareness of deficits in stroke rehabilitation.  
Journal of Rehabilitation Medicine, 2002, 34:158-164.
39. Hartman-Maeir A, Soroker N, Oman SD, Katz N.  
Awareness of disabilities in stroke rehabilitation – a clinical trial.  
Disability and Rehabilitation, 2003, 25:35-44.
40. Sacher Y, Soroker N, Motin M, Ring H, Sela BA.  
Blood homocystein levels in stroke patients undergoing rehabilitation.  
Medical Science Monitor, 2003, 9:201-207.
41. Vakil E, Blachstein H, Soroker N.  
Differential effect of right and left basal ganglionic infarctions on procedural learning.  
Cognitive and Behavioral Neurology, 2004, 17:62-73.
42. Bonneh YS, Pvalovskaya M, Ring H, Soroker N.  
Abnormal binocular rivalry in unilateral neglect: evidence for a non-spatial mechanism of extinction.  
NeuroReport, 2004, 15:473-477.
43. Sacher Y, Serfaty C, Deouell L, Sapir A, Henik A, Soroker N.  
Role of disengagement failure and attentional gradient in unilateral spatial neglect – a longitudinal study.  
Disability and Rehabilitation, 2004, 26:746-755.
44. Soroker N, Ring H.  
Retrospective analysis of trends in current P&RM research as reflected in the 2<sup>nd</sup> world congress of the ISPRM (Prague, 2003).  
Disability and Rehabilitation, 2004, 26:687-693.
45. Soroker N, Kasher A, Giora R, Batori G, Corn C, Gil M, Zaidel E.  
Processing of basic speech acts following localized brain damage: a new light on the neuroanatomy of language.  
Brain and Cognition, 2005, 57 (2):214-217.
46. Zamir S, Henik A, Balas M, Soroker N.  
Differential implicit processing of word and color in unilateral spatial neglect.  
Cognitive Brain Research, 2005, 23 (2-3):259-269.
47. Deouell L, Sacher Y, Soroker N.  
A novel method for dynamic assessment of spatial attention after brain damage.  
J Int Neuropsychol Soc, 2005, 11:697-707.
48. Yehene E, Meiran N, Soroker N.  
Task alternation cost without task alternation: measuring intentionality.  
Neuropsychologia, 2005, 43:1858-1869.
49. Hartman-Maeir A, Soroker N, Ring H, Avni N, Katz N.  
Activities, participation and satisfaction one-year post stroke.  
Disability and Rehabilitation, 2007, 29:559-566.
50. Aviezer H, Landau AN, Robertson LC, Peterson MA, Soroker N, Sacher Y, Bonneh Y, Bentin S. Implicit integration in a case of integrative visual agnosia.  
Neuropsychologia, 2007, 45:2066-2077.

51. Pavlovskaya M, Soroker N, Bonneh Y.  
Extinction is not a natural consequence of unilateral spatial neglect: evidence from contrast detection experiments.  
Neuroscience Letters, 2007, 420:240-244.
52. Leibowitz N, Levy N, Weingarten S, Karniel A, Sacher Y, Serfaty C, Soroker N.  
Automated measurement of proprioception following stroke.  
Disability and Rehabilitation, 2008, 30 (24):1829-1836.
53. Yehene E, Meiran N, Soroker N.  
Basal ganglia play a unique role in task switching within the frontal-subcortical circuits: evidence from patients with focal lesions.  
J Cog Neuroscience, 2008, 20 (6):1079-1093.
54. Haramati S, Soroker N, Dudai Y, Levy DA.  
The posterior parietal cortex in recognition memory: a neuropsychological study.  
Neuropsychologia, 2008, 46:1756-1766.
55. Deouell LY, Deutsch D, Scabini D, Soroker N, Knight RT.  
No disillusion in auditory extinction: perceiving a melody comprised of unperceived notes.  
Frontiers in Human Neuroscience, 2008, 1:15.
56. Bonneh YS, Sagi D, Gorea A, Soroker N, Treger J, Pavlovskaya M.  
When they see, they see it almost right: Normal subjective experience of detected stimuli in spatial neglect.  
Neuroscience Letters, 2008, 446:51-55.
57. Bar-Haim A, Katz N, Ring H, Soroker N.  
Assessment of spatial neglect using computerized feature and conjunction visual search tasks.  
Neuropsychological Rehabilitation, 2009, 19 (5):677-695.
58. Kaufman A, Serfaty C, Deouell L, Rupin E, Soroker N.  
Multi perturbation analysis of distributed neural networks: the case of spatial neglect.  
Human Brain Mapping, 2009, 30: 3687-3695.
59. Sela L, Sacher Y, Serfaty C, Soroker N, Sobel N.  
Spared and impaired olfactory abilities following thalamic lesions.  
J Neuroscience, 2009, 29 (39):12059-12069.
60. Plotkin A, Sela L, Weisbrod A, Kahana R, Yeshurun Y, Soroker N, Sobel N.  
Nasal sniffing enables communication and environmental control for the severely disabled.  
Proceedings of the National Academy of Sciences (USA) - PNAS, 2010, 107 (32):14413-14418.
61. Ratmansky M, Defrin R, Soroker N.  
A randomized controlled study of segmental neuromyotherapy for post-stroke hemiplegic shoulder pain.  
J Rehabilitation Medicine, 2012, 44: 830-836.
62. Frenkel-Toledo S, Bentin S, Liebermann DG, Soroker N.  
Dynamics of the EEG power in the frequency and spatial domains during observation and execution of manual movements.  
Brain Research, 2013, 1509:43-57.

63. Oren N, Soroker N, Deouell LY.  
Immediate effects of exposure to positive and negative emotional stimuli on visual search characteristics in patients with unilateral neglect .  
Neuropsychologia, 2013, 51(13):2729-39.
64. Frenkel-Toledo S, Bentin S, Perry A, Liebermann DG, Soroker N.  
Mirror neuron system recruitment by action observation: Effects of focal brain damage on mu suppression.  
NeuroImage, 2013, 87:127-137.
65. Moreh E, Seidel-Malkinson T, Zohary E, Soroker N.  
Visual memory in unilateral spatial neglect: Immediate recall vs. delayed recognition.  
Journal of Cognitive Neuroscience, 2014, 26:2155-2170.
66. Pavlovskaya M, Soroker N, Bonneh Y, Hochstein S.  
Computing an average when part of the population is not perceived.  
Journal of Cognitive Neuroscience, 2015, 27:7, 1397-1411.
67. Bartur G, Pratt H, Dikstein R , Frenkel-Toledo S, Soroker N.  
Electrophysiological manifestations of mirror visual feedback during manual movement.  
Brain Research, 2015, 1606:113-124.
68. Ben-Zvi S, Soroker N, Levy DA.  
Parietal lesion effects on cued recall following pair associate learning.  
Neuropsychologia, 2015, 73:176-194.
69. Hochstein S, Pavlovskaya M, Soroker N.  
Global statistics are not neglected.  
Journal of Vision, 2015, Accepted Feb 3.

#### Original Articles Under Review:

1. Frenkel-Toledo S, Liebermann DG, Bentin S, Soroker N.  
Dysfunction in the human mirror neuron system in parietal apraxia: evidence from mu suppression. (submitted to Journal of Cognitive Neuroscience, 2015)

#### B2. Published Case Reports:

1. Soroker N, Groswasser Z, Korn C.  
Improved phonation during fever in brainstem dysarthrophonia.  
Journal of Neurology Neurosurgery and Psychiatry, 1987; 50:1239-1940.
2. Soroker N, Bar-Israel Y, Schechter I, Solzi P.  
Stuttering as a manifestation of right hemispheric subcortical stroke.  
European Neurology, 1990; 30:268-270.
3. Oksenberg A, Arons E, Snir D, Radwan H, Soroker N.  
Cheyne-Stokes respiration during sleep: a possible effect of body position.  
Medical Science Monitor, 2002; 8:61-65.

#### B3. Review Articles:

1. Soroker N.  
Book Review on: R. Greenwood, MP Barnes, TM McMillan and CD Ward (eds.).  
Neurological Rehabilitation. Hove: Psychology Press, 1997.  
Disability and Rehabilitation, 2000; 22:298.

2. Soroker N.  
Unilateral spatial neglect: theory driven strategies to enhance conscious perception in the neglected side.  
Rehabilitation, 2012; 11 (suppl 1):74-83.

#### B4. Chapters in Books:

1. Soroker N.  
Diagnosis and Evaluation of Cognitive Impairments Following Brain Damage. in: H. Ring, J. Ribak, S. Melamed and A. Borovsky (Eds.): *Assessment of Disability, Functional Capacity and Work Ability*. Diunon, Tel-Aviv University, 2001.
2. Soroker N.  
Neurological Rehabilitation. In: E. Isakov, H. Ring (Eds.): *Milestones in the History of Rehabilitation Medicine*. Publication of the Israeli Society of Rehabilitation Medicine, 2002.
3. Soroker N.  
Theory-Driven Cognitive Rehabilitation: The Case of Spatial Neglect. In: N. Soroker, H. Ring (Eds.): *Advances in Physical and Rehabilitation Medicine*. Monduzzi, Bologna Italy, 2003.
4. Soroker N.  
Physical And Rehabilitation Medicine 2003. In: N. Soroker, H. Ring (Eds.): *Advances in Physical and Rehabilitation Medicine*. Monduzzi, Bologna Italy, 2003.
5. Goldberg G. and Soroker N.  
Neurophysiology and Cognitive Neuroscience. In B.J. O'Young, M.A. Young, S.A. Stiens (Eds.): *Physical Medicine and Rehabilitation Secrets*, 3<sup>rd</sup> Ed., Elsevier-Mosby, Philadelphia, 2007.
6. Soroker N.  
Principles of Stroke Rehabilitation. In A. Ohry (Ed.): *Principles of Rehabilitation Medicine* (Hbr.). Diunon, Tel Aviv, 2011.

#### D2. Papers Presented at Scientific Meetings:

1. Soroker N, Costeff H, Groswasser Z.  
Use of diphenylhydantoin for prevention of seizures after craniocerebral injury. 13<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1985.
2. Reider-Groswasser I, Groswasser Z, Machtey Y, Soroker N, Frishman E.  
MRI in the follow-up of craniocerebral injured patients. 4<sup>th</sup> Annual Meeting of the Society of Magnetic Resonance in Medicine. London, England, 1985.
3. Soroker N, Solzi P, Schechter I, Abarbanel M, Reider-Groswasser I.  
Subcortical infarctions: clinical manifestations, rehabilitational course and outcome. Israel Medical Association, 5<sup>th</sup> Medical Week. Jerusalem, Israel, 1986.
4. Soroker N, Schechter I, Solzi P.  
Acquired stuttering as a manifestation of right hemisphere subcortical stroke. Israel Medical Association, 5<sup>th</sup> Medical Week. Jerusalem, Israel, 1986.
5. Groswasser Z, Reider I, Soroker N, Machtey Y.  
MRI in head injured patients with normal late CT. 5<sup>th</sup> World Congress of the International Rehabilitation Medical Association. Manila, Philippines, 1986.

6. Soroker N, Costeff H, Groswasser Z.  
Anticonvulsant prophylaxis in craniocerebral injury. 5<sup>th</sup> World Congress of the International Rehabilitation Medical Association. Manila, Philippines, 1986.
7. Costeff H, Soroker N, Groswasser Z.  
Clinical monitoring of phenytoin bioavailability. 17<sup>th</sup> International Conference of the International League Against Epilepsy. Jerusalem, Israel, 1987.
8. Groswasser Z, Soroker N, Reider-Groswasser I, Stern JM, Stern B.  
Neurobehavioral profiles, CT, MRI, and vocational outcome in cranio-cerebral injured patients. International Conference on the Rehabilitation of the Brain Injured Person – A Neuropsychological Perspective. Tel-Aviv, Israel, 1987.
9. Soroker N, Solzi P, Reider-Groswasser I, Modan M.  
Classification of brain damaged patients based on functional parameters and on the location and extent of structural damage revealed by CT. 10<sup>th</sup> Congress of the international Federation of Physical Medicine and Rehabilitation. Toronto, Canada, 1988.
10. Soroker N, Modan M, Reider-Groswasser I, Solzi P.  
Computer assisted database organization in rehabilitation of brain damaged patients. 14<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1988.
11. Soroker N, Reider-Groswasser I, Solzi P, Modan M.  
Rehabilitation oriented analysis of brain CT-scan data. 14<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1988.
12. Gvion A, Soroker N, Abarbanel M, Schechter I, Modan M, Reider I, Solzi P.  
Computerized storage and analysis of linguistic variables derived from a formal aphasia test battery. 14<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1988.
13. Soroker N, Elazar B, Berghaus N, Solzi P.  
Rehabilitation in locked-in syndrome. Israel Medical Association, 7<sup>th</sup> Medical Week. Jerusalem, Israel, 1989.
14. Sepkuti Y, Soroker N, Solzi P.  
Modulation of the unilateral neglect syndrome through monocular vision. 14<sup>th</sup> International Rehabilitation Medicine Association Congress. Madrid, Spain, 1990.
15. Oksenberg A, Soroker N, Solzi P.  
Sleep in locked-in syndrome. 12<sup>th</sup> International Congress of Electroencephalography and Clinical Neurophysiology. Rio de Janeiro, Brazil, 1990.
16. Vakil E, Galek S, Soroker N, Ring H, Gross Y.  
The effect of right versus left cerebral damage on automatic memory processes: the case of frequency judgement. 19<sup>th</sup> Annual Meeting of the International Neuropsychological Society. San Antonio, USA, 1991.
17. Vakil E, Biran N, Soroker N.  
The effect of right versus left cerebral damage on automatic memory processes: the case of spatial location. 19<sup>th</sup> annual meeting of the International Neuropsychological Society. San Antonio, USA, 1991.
18. Soroker N.  
Ipsilateral inattention shown by the disconnected cerebral hemispheres. 15<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1991.



19. Levy C, Soroker N, Gliksohn J, and Solzi P.  
Hemispatial neglect without sensory-motor loss: recovery patterns of left vs. right hand performance. 15<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1991.
20. Soroker N, Sepkuti Y, Cohen T, Baratz C, Gliksohn J, Solzi P, Myslobodsky MS. The place for ipsilesional eye patching in remedial programs for patients with hemispatial neglect. 15<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel, 1991.
21. Soroker N.  
Brain imaging in stroke patients.  
International Symposium on the Rehabilitation of the Patient with Brain Damage, the Young and the Old. Ma'ale Hahamisha, Israel, 1992 (**invited speaker**).
22. Soroker N, Calamaro N, Myslobodsky M.  
Loss of hearing by the eyes. The Institute for Advanced Studies International Workshop on "Modularity and the Brain". Jerusalem, Israel, 1993 (**invited speaker**).
23. Pavlovskaya M, Soroker N, Vol I, Glass I, Blum B, Groswasser Z.  
Spatial-attentional deficit (neglect): operation in an object-centered space. The 2<sup>nd</sup> Annual Meeting of the Israel Society for Neuroscience. Eilat, Israel, 1993.
24. Pavlovskaya M, Soroker N, Vol I, Glass I, Blum B, Groswasser Z.  
Pattern recognition in patients with spatial-attentional deficits (neglect): The effect of allocating attention to different loci in an object-centred space. The 16<sup>th</sup> European Conference on Visual Perception. Edinburgh, Scotland, 1993.
25. Oksenberg A, Arons E, Snir D, Soroker N, Radwan H.  
The effect of body position on Cheyne-Stokes respiration during sleep. World Congress on Sleep Apnea. San Francisco, USA, 1994.
26. Deouell L, Soroker N, Shapira R.  
Computerised model for the analysis of brain neuroimaging data in patients with neuropsychological disturbances: the case of hemispatial neglect. The 3<sup>rd</sup> Scientific Conference of the Israel Society of Cognitive Psychology. Beer-Sheba, Israel, 1995.
27. Pavlovskaya M, Sagi D, Soroker N.  
Perceptual grouping can recover extinguished stimuli but not neglected ones. The 4<sup>th</sup> Annual Meeting of the Israel Society for Neurosciences. Eilat, Israel, 1995.
28. Dimitrijevic MM, Soroker N, Landa J, Serfaty C, Solzi P.  
Sub-sensory threshold electrical stimulation of the whole hand via a wired mesh glove in chronic stroke patients. 5<sup>th</sup> European Congress on Research in Rehabilitation. Helsinki, Finland, 1995.
29. Dimitrijevic MM, Pollo F, Soroker N, Stokic DS, Dimitrijevic MR.  
Electrophysiological characteristics of the effective stimulus for the modification of muscle tone and volitional activity in humans with spastic hand after stroke. 25<sup>th</sup> Annual Meeting of the Society for Neuroscience. San Diego, California, 1995.
30. Vakil E, Soroker N, Borenstein E.  
Differential effect of right and left hemispheric lesions on two memory tasks: free recall and temporal order judgement. 24<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Chicago, USA, 1996.

31. Vakil E, Soroker N, Borenstein E.  
Differential effect of right and left hemispheric lesions on two memory tasks: free recall and temporal order judgement. 3<sup>rd</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA, 1996.
32. Katz N, Elazar B, Itzkovich M, Ring H, Soroker N.  
Relationships of cognitive performance and daily function in right CVA patients with and without neglect. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
33. Dimitrijevic MM, Soroker N, Landa J, Serfaty C, Solzi P.  
Modulation of residual upper-limb motor control in chronic stroke patients with mesh glove electrical afferent stimulation. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
34. Deouell L, Soroker N, Serfaty C, Shapira R.  
Application of the lesion-effect paradigm in group studies using normalized brain images: The case of hemispatial neglect. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
35. Menda Y, Soroker N, Serfaty C, Glicksohn J, Myslobodsky M.  
Lip-reading and auditory comprehension of language following unilateral (left or right) hemispheric damage. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
36. Soroker N, Pavlovskaya M, Glass I, Blum B, Groswasser Z.  
Coordinate frame for pattern recognition in visual hemineglect. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
37. Serfaty C, Soroker N, Deouell L, Lipschutz B.  
Midpoint estimation in the visual, auditory and proprioceptive sensory modalities in unilateral neglect: A case for modality-based modularity in space representation. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
38. Pavlovskaya M, Sagi D, Soroker N.  
Psychophysical study of mechanisms underlying the extinction phenomenon in unilateral spatial neglect. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
39. Soroker N, Calamaro N, Glicksohn J, Myslobodsky M.  
Auditory inattention in unilateral visual neglect. 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Herzliya, Israel, 1996.
40. Pavlovskaya M, Sagi D, Soroker N.  
Visual extinction and cortical connectivity in human vision. European Congress of Visual Perception. Strasbourg, France, 1996.
41. Landa J, Dimitrijevic M, Soroker N.  
Effect of 'Mesh Glove' electrical stimulation below the sensory threshold on impaired functions of the contralateral cerebral hemisphere following stroke. Annual Meeting of the Israeli Society of Physical Medicine and Rehabilitation Raanana, Israel, 1997.
42. Sacher Y, Serfaty C, Soroker N.  
Line bisection in hemispatial neglect: a new look at a well known clinical test. Annual Meeting of the Israeli Society of Physical Medicine and Rehabilitation Raanana, Israel, 1997.
43. Gvion A, Deouell L, Grodzinsky Y, Soroker N.

Application of the lesion effect paradigm using normalized brain images: the structural basis of linguistic impairment in aphasia revisited. 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Valencia, Spain, 1998.

44. Nechmad E, Gil M, Soroker N.  
Acquired stuttering - lesion location effects on clinical expression and linguistic comorbidity. 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Valencia, Spain, 1998.
45. Soroker N, Landa J, Dimitrijevic M.M.  
"Mesh Glove" electrical stimulation below the sensory threshold: effects on perceptual and cognitive functions of the damaged contralateral hemisphere. 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Valencia, Spain, 1998.
46. Menda Y, Soroker N, Oksenberg A.  
Rehabilitation of "Locked In" Patients Following Ventral Pontine Infarctions. 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Valencia, Spain, 1998.
47. Katz N, Hartman A, Ring H, Soroker N.  
Functional disability and rehabilitation outcome in right hemisphere-damaged patients with and without unilateral spatial neglect. 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation. Valencia, Spain, 1998.
48. Vakil E, Soroker N, Blachstein H.  
The effect of basal ganglionic lesions on declarative and procedural learning tasks. 21<sup>st</sup> Annual Meeting of the International Neuropsychological Society. Budapest, Hungary, 1998.
49. Bentin S, Deouell LY, Soroker N. On the role of structural encoding in congenital prosopagnosia. Proceedings of the Psychonomic Society 40<sup>th</sup> Annual Meeting. Dallas, USA, 1998.
50. Pavlovskaya M, Sagi D, Soroker N.  
Preserved perceptual grouping in brain damaged patients with visual extinction. 5<sup>th</sup> International Brain Research Organization World Congress of Neuroscience. Jerusalem, Israel, 1999.
51. Deouell LY, Bentin S, Soroker N,  
Electrophysiological evidence for an early (pre-attentive) information processing deficit in patients with right hemisphere damage and unilateral neglect. 7<sup>th</sup> International Conference on Cognitive Neuroscience. Budapest, Hungary, 1999.
52. Sapir A, Soroker N, Berger A, Henik A.  
Direct evidence for collicular generation of Inhibition of Return. 6<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. Washington, USA, 1999.
53. Zamir S, Henik A, Soroker N.  
Dissociation between word and color processing in patients with unilateral neglect. 6<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. Washington, USA, 1999.
54. Soroker N.  
Unilateral spatial neglect – a major challenge in stroke rehabilitation. Symposium on "Hemiplegia and its Rehabilitation". Ankara, Turkey, 1999. (**invited speaker**).

55. Zaidel E, Kasher A, Batori G, Soroker N, Graves D, Giora R.  
Hemispheric contributions to verbal communication. 10<sup>th</sup> Annual Meeting of Theoretical and Experimental Neuropsychology (TENNET). Montreal, Canada, 1999.
56. Oksenberg A, Arons E, Snir D, Soroker N, Radwan H.  
Body position during sleep: implications for recovery. 1<sup>st</sup> International Conference in Israel on Respiratory Rehabilitation. Safad, Israel, 2000.
57. Soroker N.  
Clinical and theoretical implications of contextual effects in unilateral spatial neglect. 2<sup>nd</sup> Scientific Conference of the Israeli Neuropsychological Society. Ramat-Gan, Israel, 2000 (**invited speaker**).
58. Deouell LY, Sacher Y, Ben Moshe S, Soroker N.  
2D dynamic mapping of attention to visual space following stroke. 7<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. San Francisco, USA, 2000.
59. Bentin S, Ben Moshe S, Sacher Y, Soroker N.  
Directionality preference in reading and shifting attention in unilateral neglect. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
60. Deouell LY, Bentin S, Soroker N.  
Electrophysiological evidence for an early (pre-attentive) information processing deficit in patients with right hemisphere damage and unilateral neglect. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
61. Elimelech R, Bentin S, Soroker N.  
Attentional bias and cognitive style in human face perception: data from patients with unilateral neglect and healthy subjects. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
62. Henik A, Zamir S, Soroker N, Balas M.  
Differential implicit processing of word and color in unilateral spatial neglect. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
63. Deouell LY, Sacher Y, Soroker N.  
Two-dimensional gradients of attention to visual space in right hemisphere damaged patients: results from a new dynamic test. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
64. Soroker N, Landa J, Dimitrijevic M.  
Improvement of unilateral neglect with electrical stimulation of the contralesional hand below the threshold for sensory perception. EuroConference on Cognitive and Neural Bases of Spatial Neglect. Como, Italy, 2000.
65. Serfaty C, Sacher Y, Menda Y, Soroker N.  
Longitudinal aspects of line-bisection performance in stroke patients recovering from neglect. Annual Meeting of the Israeli Society of Physical Medicine and Rehabilitation. Raanana, Israel, 2001.
66. Rahmani L, Benbunan B, Ortiz T, Soroker N.  
Probabilistic Thinking Following Basal Ganglionic Infarctions. Annual Meeting of the Israeli Society of Physical Medicine and Rehabilitation. Raanana, Israel, 2001.

67. Menda Y, Serfaty C, Oksenberg A, Soroker N.  
"Locked-in Syndrome" - a rehabilitation perspective. Annual Meeting of the Israeli Society of Physical Medicine and Rehabilitation. Raanana, Israel, 2001.
68. Soroker N.  
Improvement of unilateral neglect with electrical stimulation of the contralesional hand below the threshold for sensory perception. TAU, Sackler Faculty of Medicine Research Fair. Tel Aviv, Israel, 2001.
69. Deouell LY, Soroker N.  
What is extinguished in auditory extinction. 8<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. New York, USA, 2001.
70. Bentin S, Elimelech R, Soroker N.  
Attentional bias and cognitive style in human face perception: data from patients with unilateral neglect and healthy subjects. 8<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. New York, USA, 2001.
71. Bentin S, Ben Moshe S, Sacher Y, Soroker N.  
Directionality preference in reading and shifting attention in unilateral neglect. 8<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. New York, USA, 2001.
72. Deouell LY, Bentin S, Soroker N.  
Prerequisites of awareness to extra-personal events: electrophysiological investigation of unilateral neglect patients. 5<sup>th</sup> Meeting of the Association for the Scientific Study of Consciousness. Durham, NC, USA, 2001.
73. Soroker N.  
Cognitive Rehabilitation. 18<sup>th</sup> Turkish National Congress of Physical Medicine and Rehabilitation. Kemer, Turkey, 2001 (**invited speaker**).
74. Soroker N.  
Computer-aided management of activity in a rehabilitation department. 5<sup>th</sup> Annual Quality Meeting, Clalit Health Services. Jerusalem, Israel, 2001.
75. Soroker N, Zaidel E, Kasher A, Gil M, Korn C, Batori G, Giora R.  
Lesion effects on language use in context: implications for aphasia rehabilitation. Israel Medical Association 14th Israel Medical Week. Tel Aviv, Israel, 2001.
76. Sacher Y, Deouell LY, Soroker N.  
Recovery of post-stroke deficits in spatial attention. Israel Medical Association 14<sup>th</sup> Israel Medical Week. Tel Aviv, Israel, 2001.
77. Elimelech R, Bentin S, Soroker N.  
Lateral bias and cognitive style in unilateral spatial neglect: face processing as a model. 3<sup>rd</sup> Scientific Conference of the Israeli Neuropsychological Society. Beer-Sheba, Israel, 2001.
78. Pavlovskaya M, Bonneh Y, Soroker N., Sagi D, Ring H, Yakovlev V.  
Perceptual switching in patients with attention deficit. 31<sup>st</sup> Annual Meeting of the Society for Neuroscience. San Diego, USA, 2001.
79. Dvorkin A, Flash T, Bentin S, Soroker N., Behrmann M.  
Reference frames in reaching to visual targets. 10<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience. Eilat, Israel, 2001.

80. Soroker N.  
Theory-driven rehabilitation treatment in patients with impaired spatial cognition. 3<sup>rd</sup> Research Fair, The Sackler Faculty of Medicine, TAU. Tel-Aviv, Israel, 2002.
81. Sacher Y, Serfaty C, Deouell L, Elimelech R, Bentin S, Soroker N.  
Recovery processes in USN: Neuroanatomical and cognitive considerations. 3<sup>rd</sup> Research Fair, The Sackler Faculty of Medicine, TAU. Tel-Aviv, Israel, 2002.
82. Bonne Y, Pavlovskaya M, Soroker N.  
Slow binocular rivalry in hemispatial neglect. 2<sup>nd</sup> Annual Meeting of the Vision Science Society. Sarasota, Florida, USA, 2002.
83. Dvorkin AY, Flash T, Behrmann M, Soroker N, Bentin S.  
Visuo-motor impairments in unilateral neglect. 11<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience. Eilat, Israel, 2002.
84. Soroker N.  
Unilateral spatial neglect and rehabilitation outcome following stroke. 4<sup>th</sup> Bessie and Louis Stein Geriatrics Conference on Advances in Rehabilitation of the Elderly. Tel Aviv, Israel, 2003 (**invited speaker**)
85. Sacher Y, Serfaty C, Deouell L, Henik A, Soroker N.  
Recovery of post-stroke deficits in spatial attention: from theory to treatment. 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic, 2003
86. Pavlovskaya M, Bonne Y, Ring H, Soroker N.  
Slow binocular rivalry – a novel marker of impaired temporal organization of attention in spatial neglect. 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic, 2003
87. Soroker N.  
Theory driven cognitive rehabilitation: the case of spatial neglect. 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic, 2003 (**invited keynote lecturer**)
88. Hartman-Maeir A, Soroker N, Ring H, Katz N.  
Unawareness of deficits and disabilities in stroke rehabilitation. 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic, 2003
89. Yekutieli M, Soroker N.  
Sensation and hand function following stroke. 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic, 2003
90. Soroker N.  
Stroke Rehabilitation. The 12<sup>th</sup> Israeli Congress of General Practice – Family Medicine. Tel-Aviv, Israel, 2003 (**invited speaker**).
91. Bar-Haim A, Katz N, Soroker N, Averbuch S, Hepner D.  
Treatment effect, recovery patterns and functional outcome of stroke patients with unilateral neglect. 84<sup>th</sup> Annual Conference of the American Occupational Therapy Association. Washington, USA, 2003.
92. Maeir A, Soroker N, Ring H, Katz N.  
The impact of unawareness of deficits and disabilities on stroke rehabilitation. 84<sup>th</sup> Annual Conference of the American Occupational Therapy Association. Washington, USA, 2003.
93. Kahana K, Sacher Y, Serfaty C, Hepner D, Averbuch S, Yarus T, Soroker N.  
Effectiveness of eye patching combined with dynamic visual stimulation as a treatment for unilateral spatial neglect. Conference on “Advanced Technologies in Rehabilitation”. Shfayim, Israel, 2003.

94. Sacher Y, Serfaty C, Deouell L, Henik A, Soroker N.  
Computerized assessment of restorative mechanisms in cognitive rehabilitation: the case of spatial neglect. Conference on "Advanced Technologies in Rehabilitation". Shfayim, Israel, 2003.
95. Ophir S, Danziger S, Sacher Y, Shenhav R, Ben-Moshe S, Soroker N.  
Novel methods for the assessment of recovery in unilateral spatial neglect. Conference on "Advanced Technologies in Rehabilitation". Shfayim, Israel, 2003.
96. Bar-Haim Erez A, Soroker N., Katz N, Averbuch S, Hepner D, Sacher Y.  
Therapeutic effects of phasic alerting in unilateral spatial neglect. Conference on "Advanced Technologies in Rehabilitation". Shfayim, Israel, 2003.
97. Soroker N., Bonne Y, Pavlovskaya M, Sacher Y, Ophir S, Deouel L, Danziger S.  
Temporal aspects of inattention in spatial neglect. Conference on "Advanced Technologies in Rehabilitation". Shfayim, Israel, 2003.
98. Soroker N.  
Applied cognitive neuroscience: the case of spatial neglect. Italian-Israeli Workshop on Cognitive Neuroscience. Beer-Sheva, Israel, 2003 (**invited speaker**).
99. Soroker N.  
Neural organization of motor control. 40<sup>th</sup> Annual Meeting of the Israeli Association of Speech Pathologists. Ashkelon, Israel, 2004 (**invited speaker**).
100. Vakil E, Busharia I, Soroker N.  
Context effect in patients with right and left hemispheric lesions. 32<sup>nd</sup> Annual Meeting of the International Neuropsychological Society. Baltimore, Maryland, USA, 2004.
101. Soroker N.  
Novel Methods of assessment and treatment in spatial neglect. 15<sup>th</sup> Israel Medical Week. Tel Aviv, Israel, 2004 (**invited speaker**).
102. Bentin S, Arnon Y, Soroker N.  
Disentangling face processing from awareness in unilateral neglect. 11<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society. San Francisco, USA, 2004.
103. Soroker N., Kasher A, Giora R, Batori G, Corn C, Gil M, Zaidel E.  
Processing of basic speech acts following localized brain damage: a new light on the neuroanatomy of language. 15<sup>th</sup> Annual Meeting of Theoretical and Experimental Neuropsychology (TENNET). Montreal, Canada, 2004.
104. Soroker N., Kasher A, Giora R, Batori G, Corn C, Gil M, Zaidel E.  
Stroke effects on language use in context: implications for rehabilitation. 5<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine. Antalya, Turkey, 2004 (**invited speaker**).
105. Serfaty C, Sacher Y, Soroker N.  
Selective activation of the damaged hemisphere in neglect rehabilitation: Opposing effects depending on time after onset. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
106. Sacher Y, Aviezer H, Agmail W, Hepner D, Rahmani L, Bonne Y, Bentin S, Soroker N.  
Functional outcome and treatment considerations in a case of integrative visual agnosia. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
107. Hadar Zalstein A, Bentin S, Soroker N.

- Novel methods for the evaluation of impaired space representation in the tactile and visual modalities. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
108. Elimelech R, Soroker N, Bentin S.  
Restorative and compensatory mechanisms underlying recovery after stroke: The case of face processing in spatial neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  109. Bar-Haim Erez A, Soroker N, Aberbuch S, Hepner D, Sacher Y, Katz N.  
Cortical re-organization of function following stroke: Functional MRI study of spatial attention in patients with neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  110. Bar-Haim Erez A, Soroker N, Aberbuch S, Hepner D, Sacher Y, Katz N.  
Visual search combined with phasic alerting in the treatment of unilateral neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  111. Dvorkin AY, Flash T, Bentin S, Behrmann M, Soroker N.  
Visuo-motor impairments in unilateral spatial neglect: Evidence for directional motor extinction. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  112. Pavlovskaya M, Bonneh Y, Barnea A, Soroker N.  
Are neglect and extinction of a common physiological mechanism? Evidence from contrast detection experiments. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  113. Niv D, Sacher Y, Soroker N.  
Prism adaptation in physical therapy of stroke patients with contraversive pushing syndrome. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  114. Schnarch Woda M, Vakil E, Sacher Y, Soroker N.  
Prism adaptation effect on space representation in unilateral spatial neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  115. Hartman-Maeir A, Soroker N, Ring H, Katz N.  
Awareness of deficits and disabilities in stroke rehabilitation. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
  116. Hartman-Maeir A, Avni N, Soroker N, Ring H, Katz N.  
Participation one-year after stroke: relationship with functional status, affective state and life satisfaction. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.



117. Aviezer H, Bentin S, Landau A, Bonne Y, Sacher Y, Soroker N.  
Snail or wagon? Neuropsychological investigations of a patient with integrative visual agnosia. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
118. Vander T, Bonne Y, Sacher Y, Serfaty C, Soroker N.  
Retrieval of extinguished information in neglect patients using partial report. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
119. Keren N, Sacher Y, Serfaty C, Soroker N.  
The effect of ipsi- and contra-lesional eye patching on spatial attention following unilateral cerebral damage: Implications for the treatment of spatial neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
120. Kaufman A, Serfaty C, Soroker N, Rupin E.  
Structure-function relationships in unilateral spatial neglect. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
121. Busharia I, Vakil E, Soroker N.  
Examination of hemispheric differences in 'target' and 'context' memory, and in context effect on recall of target information, in a verbal recognition task. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
122. Barkan U, Sacher Y, Hepner D, Segal N, Serfaty C, Soroker N.  
Assessment of B-ADL functioning using the FIM – problems and solutions. Annual Meeting of the Israeli Society of P&RM with International Participation. Conference topic: Novel Aspects in Multidisciplinary Medical Rehabilitation. Tel-Aviv, Israel, 2004.
123. Pavlovskaya M, Soroker N, Barnea A, Bonne Y.  
Is visual extinction a natural consequence of spatial neglect? Evidence from contrast detection experiments. 13<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience. Eilat, Israel, 2004.
124. Soroker N, Vander T, Sacher Y, Serfaty C, Bonne Y.  
Retrieval of extinguished information from iconic memory in unilateral spatial neglect. Annual Meeting of the Israeli Society of Neuropsychology, Beer Sheba, Israel, 2005.
125. Elimelech R, Soroker N, Bentin S.  
Restorative and compensatory mechanisms underlying recovery after stroke: The case of face processing in spatial neglect. Annual Meeting of the Israeli Society of Neuropsychology, Beer Sheba, Israel, 2005.
126. Pavlovskaya M, Soroker N, Bonne Y.  
Additional extinction-specific deficit in unilateral neglect syndrome: evidence from contrast detection experiments. 15<sup>th</sup> Annual Conference of the Rotman Research Institute, dedicated to "Attention: Theoretical Advances and Implications for Rehabilitation", Toronto, Canada, 2005.
127. Soroker N.  
Novel approaches to assessment and rehabilitation treatment of language disorders following left hemisphere damage. 3<sup>rd</sup> ISPRM World Congress, Sao Paulo, Brazil, 2005 (**invited keynote lecturer**).

128. Soroker N.  
Novel approaches to assessment and rehabilitation treatment of spatial attention disorders following right hemisphere damage. 3<sup>rd</sup> ISPRM World Congress, Sao Paulo, Brazil, 2005 (**invited keynote lecturer**).
129. Soroker N.  
Unilateral neglect and related disorders of spatial cognition – a practical guide to diagnosis, longitudinal evaluation and rehabilitation treatment. 3<sup>rd</sup> ISPRM World Congress, Sao Paulo, Brazil, 2005 (**invited workshop moderator**).
130. Pavlovskaya M, Sagi D, Gorea A, Soroker N, Bonneh Y.  
When they see they see it right: normal perceived contrast in unilateral spatial neglect. 35<sup>th</sup> Annual Meeting of the Society for Neuroscience (SFN), Washington, USA, 2005.
131. Soroker N, Sacher Y, Aberbuch S, Reuven R, Katz N, Bar-Haim Erez A, Shahar M.  
Methods for diagnosis and rehabilitation treatment of spatial neglect. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005 (**workshop moderator**).
132. Atias A, Bentin S, Sacher Y, Soroker N.  
Prism adaptation effect on the mobilization of attention in space in patients with unilateral spatial neglect. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
133. Keren N, Sacher Y, Vishne T, Serfaty C, Soroekr N.  
The effect of ipsi- and contra-lesional eye patching on spatial attention following right and left cerebral damage: implications for the treatment of spatial neglect. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
134. Kahana K, Sacher Y, Serfaty C, Hepner D, Aberbuch S, Yarus T, Soroker N.  
Eye patching combined with dynamic visual stimulation as a treatment for spatial neglect. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
135. Bar-Haim Erez Asnat, Soroker N, Sacher Y, Aberbuch S, Hepner D, Katz N.  
Phasic alerting in the context of visual search – a proposed treatment for stroke patients with unilateral spatial neglect. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
136. Levy N, Leibowitz N, Grinberg Y, Karniel A, Serfaty C, Sacher Y, Soroker N.  
Automated digital method for measuring and monitoring proprioceptive deficits in stroke patients. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
137. Lev S, Sacher Y, Liebermann D, Soroker N.  
Neck-muscle vibration effects on contraversive pushing. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
138. Niv D, Sacher Y, Liebermann D, Soroker N.  
Prism adaptation effects on contraversive pushing. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
139. Soroker N, Vander T, Sacher Y, Serfaty C, Stronguin F, Bonneh Y.  
Retrieval of contralesional extinguished information from iconic memory using Sperling's method of partial report. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005 (**keynote lecturer**).

140. Yehene E, Meiran N, Soroker N.  
The role of the basal ganglia in goal setting during task switching. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
141. Vander T, Sacher Y, Serfaty C, Soroker N.  
Cerebral venous sinus thrombosis in neurological rehabilitation. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
142. Soroker N.  
Methods to improve rehabilitation knowledge: outline of the activity of the education committee of the national rehabilitation council. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2005.
143. Landau AN, Aviezer H, Robertson LC, Peterson MA, Soroker N, Sacher Y, Bonne Y & Bentin S. Implicit object recognition in visual integrative agnosia: Patient SE. Vision Sciences Society Meeting, Sarasota, Florida, 2005.
144. Soroker N.  
Selection cues provided within the time interval of data maintenance in iconic memory ameliorate spatial neglect. Annual Meeting of the Israel Neuropsychological Society, Jerusalem, Israel, 2006.
145. Soroker N.  
Impaired attentional processing – a major challenge in stroke rehabilitation. International Congress *Stroke Rehab.* Goteborg, Sweden, 2006 (**invited speaker**).
146. Soroker N.  
Models of stroke rehabilitation. Semi Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Bat Yam, Israel, 2006.
147. Pavlovskaya MB, Soroker N, Treger I, Bonne Y.  
Low-level visual processing in unilateral neglect: contrast detection and contrast matching study. 5<sup>th</sup> Forum of European Neuroscience, Vienna, Austria, 2006.
148. Soroker N.  
Novel methods to increase contralesional awareness in stroke patients suffering from spatial neglect. 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal, 2006 (**keynote lecturer**).
149. Barnea A, Sacher Y, Kropotove J, Zaidel E, Soroker N.  
EEG biofeedback can establish functional recovery in neglect patients. 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal, 2006.
150. Soroker N.  
Towards a harmonized development of rehabilitation services in the Mediterranean countries: report from Israel. 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal, 2006.
151. Soroker N, Ratmansky M, Levy-Drory S, Sacher Y, Zangen A.  
Deep rTMS using H-coil in Alzheimer's disease: first report. 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal, 2006.
152. Soroker N.  
Cognitive rehabilitation for brain-damaged patients. 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal, 2006 (**invited workshop**).

153. Suzin G, Soroker N, Schweiger A.  
Drawing assignment: finding graphical characteristics predicting severity of constructional assignment. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
154. Barnea A, Sacher Y, Kropotove J, Zaidel E, Soroker N.  
EEG biofeedback (neurofeedback) in the treatment of unilateral spatial neglect: online effects on the distribution of spatial attention. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
155. Haramati S, Soroker N, Dudai Y, Levy D.  
The posterior parietal cortex and recognition memory. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
156. Shani L, Sacher Y, Liebermann D, Soroker N.  
Neck muscle vibration in brain damaged patients with contraversive pushing syndrome. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
157. Niv D, Sacher Y, Liebermann D, Soroker N.  
Compensatory postural changes induced by prism adaptation in brain damaged patients showing contraversive pushing. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
158. Ophir S, Sacher Y, Soroker N.  
Measures of long-term recovery in spatial neglect: target cancellation and line bisection vs. computerized reaction time tests of visual search. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
159. Pavlovskaya M, Soroker N, Treger I, Bonne Y.  
On the relationship between extinction and neglect: lessons from contrast detection experiments. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
160. Soroker N, Ratmansky M, Levy-Drory S, Sacher Y, Zangen A.  
Selective stimulation of affected cortical and subcortical structures in AD by deep rTMS: first report. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
161. Hapner D, Aberbuch S, Abdel Kader W, Soroker N, Bar-Haim A, Katz N.  
The effectiveness of a combined cognitive treatment for USN patients – preliminary results. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
162. Soroker N.  
Criteria for patients' referral for rehabilitation. 57<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2006.
163. Soroker N.  
Theory driven rehabilitation treatment of unilateral neglect and related disorders of spatial cognition following stroke. 4<sup>th</sup> ISPRM World Congress, Seoul, Korea, 2007 (**invited speaker**).
164. Soroker N.  
Rehabilitation needs of people with brain damage: current and future solutions. Congress entitled: "Brain, Technology and Society: Needs and Solutions", Organized by Holon Institute of Technology, Holon Israel, 2007 (**invited speaker**).

165. Greenberg S, Sacher Y, Bentin S, Soroker N.  
The piazza effect and fingertip contour palpation: cross modal comparisons in representational neglect. 58<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2007.
166. Soroker N.  
Brain plasticity and recovery of spatial attention. 58<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Pre-Congress Workshop, Tel-Aviv, Israel, 2007(**workshop moderator**).
167. Stronguin F, Soroker N, Schröger E, Deouell LY.  
Distraction after brain damage: An electrophysiological and behavioral study. 58<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2007.
168. Leibowitz N, Levy N, Weingarten S, Karniel A, Sacher Y, Serfaty C, Soroker N.  
Automated measurement of proprioception following stroke. International Conference on "Innovation in Rehabilitation Technology", The Institute for Advanced Studies, The Hebrew University of Jerusalem, Jerusalem, Israel, 2007.
169. Gabay S, Sacher Y, Henik A, Soroker N.  
Inhibition of return in spatial attention: The theory of collicular generation revisited with evidence from three new cases of unilateral collicular stroke. Annual Meeting of the Israeli Society of Neuropsychology, Haifa, Israel, 2008.
170. Shalev Y, Soroker N, Sacher Y, Bentin S.  
Seeing without awareness in unilateral neglect: N170 evidence for categorical perception of neglected faces. Annual Meeting of the Israeli Society of Neuropsychology, Haifa, Israel, 2008.
171. Yehene E, Meiran N, Soroker N.  
Basal ganglia play a unique role in task switching within the frontal-subcortical circuits: evidence from patients with focal lesions. Annual Meeting of the Israeli Society of Neuropsychology, Haifa, Israel, 2008.
172. Soroker N.  
New directions for cognitive rehabilitation: Towards online monitoring of treatment-related plasticity. The 1<sup>st</sup> Asia-Oceania Conference of Physical and Rehabilitation Medicine, Nanjing, China, 2008 (**invited plenary speaker**).
173. Soroker N.  
EEG-biofeedback treatment for spatial neglect: monitoring the effect of treatment using novel algorithms for EEG analysis. Mid-Year Conference of the Israeli Association of P&RM, Raanana, Israel, 2008.
174. Soroker N.  
Stroke Rehabilitation. Interdisciplinary Neurology-Psychiatry Conference, Ramat-Gan, Israel, 2008 (**invited speaker**).
175. Sela L, Sacher Y, Serfaty C, Soroker N, Sobel N.  
Thalamic role in olfactory hedonics. The 15<sup>th</sup> International Symposium on Olfaction and Taste of the Association of Chemoreception Sciences (AChemS). San Francisco, USA, 2008.

176. Soroker N.  
Brain plasticity and recovery of function in cognitive rehabilitation: The case of spatial neglect. 7<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Portoroz, Slovenia, 2008 (**invited speaker**).
177. Soroker N.  
New directions for stroke rehabilitation: Clinical monitoring and modulation of brain plasticity. 7<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Portoroz, Slovenia, 2008 (**invited workshop**).
178. Sela L, Sacher Y, Serfaty C, Soroker N, Sobel N.  
Thalamic role in olfactory hedonics. The 17<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience. Eilat, Israel, 2008.
179. Pavlovskaya M, Sagi D, Gorea A, Soroker N, Treger I, Bonneh YS.  
Sensitivity loss does not predict the quality of vision in unilateral spatial neglect. The 17<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience. Eilat, Israel, 2008.
180. Soroker N, Ben-Shoshan Hanuka E, Bartur G, Gordon U, Pinchuk N, Reches A, Sacher Y, Shahaf G.  
Enhancement of peri-lesional cortical arousal by EEG biofeedback in the treatment of spatial neglect. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008 (**keynote lecture**).
181. Bartur G, Shahaf G, Ben-Shoshan Hanuka E, Gordon U, Pinchuk N, Reches A, Sacher Y and Soroker N.  
EEG monitored stroke rehabilitation of the upper limb: the case of mirror therapy. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008.
182. Shahaf G, Ben-Shoshan Hanuka E, Bartur G, Gordon U, Pinchuk N, Reches A, Sacher Y and Soroker N.  
Brain activity imaging for prediction of treatment outcome. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008.
183. Sacher Y, Gabay S, Henik A and Soroker N.  
'Inhibition of Return' in spatial attention – it's cerebral origin and clinical significance. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008.
184. Serfaty C, Shacham N, Soroker N, Bogler R, Gorodesky G, Caspy D, Eshet Y.  
Participation and quality of life after stroke: Trying to structure a therapeutic model. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008.
185. Soroker N, Serfaty C, Shacham N.  
Cerebral vascular accident – how to prevent and what to do when it happens? Workshop conducted as a pre-congress activity. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008 (**workshop moderator**).
186. Frenkel-Toledo S, Zaichner S, Ron Y, Neeman D, Vaisler M, Niv D, Soroker N.  
The influence on postural symmetry in standing and walking of placement on a tilt-table after stroke. 59<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008.

187. Soroker N.  
The scientific work and the contribution of Haim Ring to rehabilitation medicine. 59th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2008 (**plenary keynote lecture**).
188. Sela L, Sacher Y, Serfaty C, Sobel N, Soroker N.  
Olfaction in patients with focal thalamic lesions. Annual Meeting of the Israel Neuropsychological Society, Tel Aviv, Israel, 2009.
189. Stronguin F, Soroker N, Schroger E, Deouell LY.  
Distraction after brain damage. Annual Meeting of the Israel Neuropsychological Society, Tel Aviv, Israel, 2009.
190. Pavlovskaya M, Soroker N, Bonne Y.  
Pre-attentive processing of statistical properties of the visual scene in patients with unilateral spatial neglect. International Conference entitled: Vision in 3D Environments. York University Center of Vision Research, Toronto, Canada, 2009.
191. Soroker N.  
Enhancement of peri-lesional cortical arousal by EEG biofeedback in the treatment of parietal neglect. International Research Conference at the Institute for Advanced Studies, Jerusalem, Israel, 2009 (**invited speaker**).
192. Ratmansky M, Defrin RA, Soroker N.  
Segmental neuromyotherapy for hemiplegic shoulder pain. 5<sup>th</sup> ISPRM World Congress, Istanbul, Turkey, 2009.
193. Sacher Y, Serfaty C, Soroker N.  
Converging evidence for the activation of the damaged hemisphere in neglect rehabilitation: Opposing effects depending on time after onset. 5<sup>th</sup> ISPRM World Congress, Istanbul, Turkey, 2009.
194. Soroker N.  
Functional reorganization in the cortical mantle in stroke rehabilitation. 5<sup>th</sup> ISPRM World Congress, Istanbul, Turkey, 2009 (**invited speaker**).
195. Soroker N.  
Monitoring brain plasticity induced by rehabilitation treatment of hemiparesis. 5<sup>th</sup> ISPRM World Congress, Istanbul, Turkey, 2009 (**invited speaker**).
196. Oren N, Soroker N, Deouell LY.  
Affective contributions to spatial attention: The influence of emotional visual stimuli on unilateral neglect. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009.
197. Sela L, Sacher Y, Serfaty C, Sobel N, Soroker N.  
Olfaction following thalamic stroke. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009.
198. Plotkin A, Weissbrod A, Sela L, Sobel N, Soroker N.  
A brain-machine interface through the nose. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009.
199. Rahmani L, Benbunan B, Soroker N.  
Probabilistic thinking following basal ganglionic infarctions. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009.

200. Soroker N.  
Cortical priming using different modes of focal stimulation – an appraisal of the current state of knowledge in this field. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009 (**workshop moderator**).
201. Soroker N.  
Second look at the concept of evidence-based medicine as applied to rehabilitation of brain damaged patients: the case of spatial neglect. 60th Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2009 (**keynote lecture**).
202. Oren N, Soroker N, Deouell LY.  
Affective contributions to spatial attention: The influence of emotional visual stimuli on unilateral neglect. The 18<sup>th</sup> Annual Meeting of the Israeli Society for Neuroscience, Eilat, Israel, 2009.
203. Soroker N.  
Cognitive rehabilitation after stroke – the case of spatial neglect. The 4<sup>th</sup> Portuguese Stroke Conference, Porto, Portugal, 2010 (**invited speaker**).
204. Pavlovskaya M, Bonneh Y, Soroker N, Hochstein S.  
Processing visual scene statistical properties in patients with unilateral spatial neglect. Annual Meeting of the Visual Sciences Society, Naples, Florida, 2010.
205. Levy DA, Shefer S, Soroker N.  
Posterior parietal lesions may impair multimodal but not unimodal pair-associate learning. The 17th Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada, 2010.
206. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Action Observation in Stroke Patients: Investigating the Mechanism Using EEG. The 17<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Venice, Italy, 2010.
207. Soroker N.  
Rehabilitation treatment for spatial neglect: manipulating brain plasticity in neural networks for spatial attention and space representation. The 17<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Venice, Italy, 2010 (**invited speaker** and **session moderator**).
208. Ratmansky M, Defrin R, Soroker N.  
A novel treatment for post-stroke hemiplegic shoulder pain using segmental neuromyotherapy: a randomized controlled study. The 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus, 2010.
209. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Electrophysiological monitoring of action observation effects in stroke rehabilitation. The 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus, 2010.
210. Sacher Y, Vander T, Serfaty C, Soroker N.  
Hypercoagulability and brain hemorrhage: is sinus vein thrombosis the link? The 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus, 2010.



211. Sobel N, Plotkin A, Sela L, Weissbrod A, Kahana R, Haviv L, Soroker N. Sniffing enables communication and environmental control for the severely disabled. The 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus, 2010.
212. Soroker N. The Neuroscience of Functional Recovery: A Bridge between Basic Science and the Clinical Practice of Brain Rehabilitation. The 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus, 2010. (**invited speaker, keynote lecture**).
213. Pavlovskaya M, Bonneh Y, Soroker N, Hochstein S. Pre-attentive processing of statistical properties of the visual scene in patients with unilateral spatial neglect. The 19<sup>th</sup> Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel, 2010.
214. Plotkin A, Sela L, Weissbrod A, Kahana R, Haviv L, Soroker N, Sobel N. Sniffing enables communication and environmental control for the severely disabled. The 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2010.
215. Levy D, Shefer S, Soroker N. Cortical substrates of cross-modal associative memory processes. The 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2010.
216. Ratmanski M, Dephrin R, Soroker N. Treating post-stroke hemiplegic shoulder pain using a neuro-musculoskeletal approach: A randomized controlled study. The 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2010.
217. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N. Action observation in stroke patients: investigating the neurophysiological effects using EEG. The 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2010.
218. Soroker N. Neuroanatomical and neurophysiological considerations in recovery of function after stroke. The 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2010. (**keynote lecture**).
219. Soroker N. Speech production and the neural basis of motor control. The 47<sup>th</sup> Annual Meeting of the Israeli Speech, Hearing and Language Association, Tel Aviv, Israel, 2011. (**invited lecture**).
220. Soroker N. Second look at measurements and use of quantitative measures in stroke rehabilitation. The Mid-Year Conference of the Israeli Association of Physical and Rehabilitation Medicine, Raanana, Israel, 2011.
221. Soroker N. Conscious perception in unilateral spatial neglect. Department of Neurobiology Seminars, Weizmann Inst. of Science, Rehovot, Israel, 2011. (**invited lecture**).

222. Soroker N.  
Manipulation of Focal Cortical Excitability - an Adjuvant Therapy in Stroke Rehabilitation. Conference entitled 'Brain Plasticity – from Science to Technology', The Israeli Biofeedback – Neurofeedback Association, Tel-Aviv, Israel, 2011. (**invited lecture**).
223. Pavlovskaya M, Bonneh Y, Soroker N, Hochstein S.  
Neglect field objects impact statistical property report in patients with unilateral spatial neglect. The 34<sup>th</sup> European Conference on Visual Perception, Toulouse, France, 2011.
224. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Action observation in stroke patients: investigating the neurophysiological effects using EEG. The 6<sup>th</sup> ISPRM World Congress, San Juan, Puerto Rico, 2011.
225. Soroker N.  
Non invasive manipulation of cortical excitability: A novel approach to stroke rehabilitation. The 6<sup>th</sup> ISPRM World Congress, San Juan, Puerto Rico, 2011 (**invited lecture**).
226. Soroker N.  
Creative Research: Michael Myslobodsky's highly unusual approach to the study of attentional asymmetries in spatial neglect. Prof. Michael Myslobodsky's Memorial Symposium – The Brain in Health and Disease, Tel Aviv, Israel, 2011.
227. Levy D, Soroker N.  
Parietal lesion effects on cross-modal pair associate learning. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.
228. Frenkel-Toledo S, Bentin S, Liebermann DG, Soroker N.  
Effect of lesion location and extent on the likelihood of harnessing the mirror neuron system for rehabilitation purposes. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.
229. Bartur G, Dickstein R, Pratt H, Frenkel-Toledo S, Soroker N.  
Electrophysiological monitoring of the cortical response to mirror therapy for hemiparesis. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.
230. Kahana R, Weissbrod A, Plotkin A, Geva M, Serfaty C, Soroker N, Sobel N.  
Manipulating the nasal airflow asymmetry – an experimental approach to neuro-rehabilitation targeting the altered inter-hemispheric balance after stroke. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.
231. Moreh E, Seidel-Malkinson T, Zohary E, Soroker N.  
Visual memory in unilateral spatial neglect: successful verbal recall eliminates laterality effects in a later recognition task. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.
232. Soroker N.  
Neuroplasticity modulation and circuit retraining in stroke rehabilitation 2011. The 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2011.

233. Soroker N.  
Unilateral spatial neglect: theoretical accounts of one of the most puzzling conditions encountered in clinical practice. 23<sup>rd</sup> Rehabilitation Medicine Days, Congress entitled: "Importance of perceptual and cognitive abilities in rehabilitation medicine", Ljubljana, Slovenia, 2012 (**invited speaker**).
234. Soroker N.  
Unilateral spatial neglect: strategies to enhance conscious perception in the neglected side. 23<sup>rd</sup> Rehabilitation Medicine Days, Congress entitled: "Importance of perceptual and cognitive abilities in rehabilitation medicine", Ljubljana, Slovenia, 2012 (**invited speaker**).
235. Frenkel-Toledo S, Bentin S, Liebermann DG, Soroker N.  
Neurophysiological effect of action observation in stroke patients and healthy individuals. Poster presented in the 2012 Research Fair, TAU Sacler Faculty of Medicine, Tel Aviv, Israel, 2012.
236. Bentin S, Sharon O, Shalev J, Soroker N.  
Inter-hemispheric transfer of categorical information in vision: when and why. The 12<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples FL, USA, 2012.
237. Soroker N.  
Conscious perception following unilateral and bilateral parietal damage. Seminar, ELSC - Interdisciplinary Center of Neural Computation. Jerusalem, Israel, 2012 (**invited speaker**).
238. Soroker N.  
Neuroplasticity modulation and circuit retraining in stroke rehabilitation 2012. 18<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Thessaloniki, Greece, 2012 (**invited speaker**).
239. Soroker N.  
Functional imaging in unilateral spatial neglect: novel insight on the mechanisms underlying recovery and how to manipulate them in rehabilitation practice. 18<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Thessaloniki, Greece, 2012 (**invited speaker**).
240. Soroker N.  
Neuroplasticity modulation: a new frontier in stroke rehabilitation. Binational (Israel-Italy) Conference entitled: New Frontiers in Rehabilitation: Technology and Practice. Tel Aviv, Israel, 2012 (**invited speaker**).
241. Pavlovskaya M, Soroker N., Bonneh Y, Hochstein S.  
Core characteristics defining the nature of unilateral neglect syndrome. European Conference on Visual Perception (ECVP), Alghero, Italy, 2012.
242. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Mirror-neuron system recruitment by action observation: Multi-modal exploration of its role in stroke rehabilitation. The 9<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Sorrento, Italy, 2012 (**invited lecture**).
243. Soroker N.  
Good clinical practice in the rehabilitation of patients with brain damage – the Israeli experience. The 9<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Sorrento, Italy, 2012 (**invited lecture**).

244. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Mirror-neuron system recruitment by action observation in stroke rehabilitation. Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Atlanta, USA, 2012.
245. Sacher Y, Serfaty C, Soroker N.  
Longitudinal course of interhemispheric dynamics in neglect patients: important implications for rTMS/tDCS neuromodulation efforts. Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Atlanta, USA, 2012.
246. Bonnef YS, Pavlovskaya M, Hochstein S, Soroker N,  
Occasional access of some trees to conscious awareness with no vision of the forest: Insight on PPC contribution to perception from a case study of simultanagnosia. The 21<sup>st</sup> Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel, 2012.
247. Sacher Y, Serfaty C, Soroker N.  
Longitudinal course of interhemispheric dynamics in neglect patients: implications for neuromodulation efforts. The 63<sup>rd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2012.
248. Soroker N.  
Visual information processing in the parietal cortex: Lessons from unilateral and bilateral PPC damage. The 63<sup>rd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2012 (**keynote lecture**).
249. Soroker N.  
Theory-driven rehabilitation for brain-damaged patients: current models and future directions. The 24<sup>th</sup> National Physical and Rehabilitation Congress, Antalya, Turkey, 2013 (**invited plenary speaker**).
250. Soroker N, Bartur G.  
Neuroplasticity modulation and circuit retraining in stroke rehabilitation. The 7<sup>th</sup> ISPRM World Congress, Beijing, China, 2013 (**moderator, invited workshop**).
251. Soroker N.  
Cortical priming in cognitive rehabilitation: the case of unilateral spatial neglect. The 7<sup>th</sup> ISPRM World Congress, Beijing, China, 2013 (**invited speaker**).
252. Goldshuv-Ezra N, Pratt H, Soroker N.  
Manipulation of regional cortical arousal by EEG biofeedback in unilateral spatial neglect: In search of an explanatory model. The 12<sup>th</sup> Congress of the European Forum for Research in Rehabilitation (EFRR), Istanbul, Turkey, 2013.
253. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Mirror-neuron system recruitment by action observation in stroke rehabilitation. The 12<sup>th</sup> Congress of the European Forum for Research in Rehabilitation (EFRR), Istanbul, Turkey, 2013.
254. Soroker N, Frenkel-Toledo S, Goldshuv-Ezra N, Liebermann D.  
Neuroplasticity modulation and circuit retraining in stroke rehabilitation. The 12<sup>th</sup> Congress of the European Forum for Research in Rehabilitation (EFRR), Istanbul, Turkey, 2013 (**moderator, invited workshop**).
255. Soroker N.  
Experimental therapeutic modalities in stroke rehabilitation. The 12<sup>th</sup> Congress of the European Forum for Research in Rehabilitation (EFRR), Istanbul, Turkey, 2013 (**invited plenary speaker**).
256. Kahana R, Eisen A, Korisky U, Grossman S, Weissbrod A, Plotkin A, Serfaty C, Soroker N, Sobel N.

- The Nasal Cycle: Functional Neural Asymmetry Reflected in the Nose. The 22<sup>nd</sup> Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel, 2013.
257. Goldshuv-Ezra N, Pratt H, Soroker N.  
Evaluating the effect of peri-lesional cortical excitation by EEG-biofeedback in unilateral spatial neglect. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013.
258. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Action observation in stroke rehabilitation: behavioral and neurophysiological effects. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013.
259. Bartur G, Dickstein R, Pratt H, Frenkel-Toledo S, Soroker N.  
The effect of mirror visual feedback on inter-hemispheric dynamics: An event-related de/synchronization study. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013.
260. Kahana R, Eisen A, Weissbrod A, Plotkin A, Serfaty C, Soroker N., Sobel N.  
The nasal cycle: functional cerebral asymmetry reflected in the nose. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013.
261. Ben Israel Y, Soroker N.  
Rehabilitation beds in Israel - availability and need. Israel Ministry of Health Congress entitled: "Medical Rehabilitation: Challenges in Planning a National Program", Jerusalem, Israel (**plenary speaker; round-table moderator**).
262. Soroker N., Frenkel-Toledo S, Bartur G, Goldshuv-Ezra N, Kahana R, Zinger N, Friedman J, Liebermann D.  
Neuroplasticity Modulation and Circuit Retraining in Stroke Rehabilitation. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013 (**moderator, pre-congress workshop**).
263. Soroker N.  
Current and future directions in neuroplasticity modulation after stroke. The 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2013 (**keynote lecture**).
264. Soroker N.  
Theory-driven focal cortical excitation in the treatment of unilateral spatial neglect. The 8th Annual Meeting of The Korean Society for NeuroRehabilitation (KSNR) & 3rd Korea-Japan NeuroRehabilitation Conference, Busan, Korea, 2014 (**invited lecturer**).
265. Frenkel-Toledo S, Liebermann DG, Bentin S, Soroker N.  
Dysfunction in the human mirror neuron system in parietal ideomotor apraxia: evidence from mu suppression. Mid-Year Conference of the International Neuropsychological Society, Jerusalem, Israel, 2014.
266. Ben-Zvi S, Levy DA, Soroker N.  
The Brain and the Scale: Lesion Effects on Measures and Indices of the Wechsler Memory Scale. Mid-Year Conference of the International Neuropsychological Society, Jerusalem, Israel, 2014.
267. Levy DA, Ben-Zvi S, Soroker N.  
Parietal Lesion Effects on Cued Recall Following Pair Associate Learning. Mid-Year Conference of the International Neuropsychological Society, Jerusalem, Israel, 2014.

268. Pavlovskaya M, Hochstein S, Soroker N, Bonneh Y.  
Occasional awareness of trees with never a forest in Balint simultanagnosia.  
European Conference on Visual Perception (ECVP), Belgrade, Serbia, 2014.
269. Soroker N.  
Novel Therapeutic Modalities in Stroke Rehabilitation.  
8<sup>th</sup> ISPRM World Congress, Cancun, Mexico, 2014 (**invited speaker**).
270. Frenkel-Toledo S, Liebermann DG, Bentin S, Soroker N.  
Human mirror neuron system dysfunction in ideomotor apraxia. The 65<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel, 2014.
271. Granot A, Soroker N.  
Low level of protein-S may have clinical significance in the acute phase post stroke. The 65<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel, 2014.
272. Granot A, Soroker N.  
Dilemmas in stroke rehabilitation: Treatment of DVT in patients with brain haemorrhage. The 65<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel, 2014.
273. Soroker N, Raz J, Bartur G, Frenkel-Toledo S.  
Modulation of brain plasticity in stroke rehabilitation. The 65<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel, 2014. (**invited didactic session**).
274. Soroker N.  
Rehabilitation of stroke-related disorders of motor control – current status and future perspective. UMD-TAU Workshop entitled: "Motor Function and Rehabilitation in Health and Stroke", University of Maryland, USA, 2015 (**invited participant and lecturer**).
275. Frenkel-Toledo S, Liebermann DG, Bentin S, Soroker N.  
Mirror neuron system dysfunction in stroke patients with ideomotor apraxia. 9<sup>th</sup> ISPRM World Congress, Berlin, Germany, 2015
276. Soroker N.  
Assessment of treatment-induced recovery of brain functions: challenges imposed by experimental neuroplasticity modulation therapies. 9<sup>th</sup> ISPRM World Congress, Berlin, Germany, 2015 (**invited speaker**).

#### D.3. Papers Published in Abstract Form in Conference Proceedings or Journals:

1. Reider-Groswasser I, Groswasser Z, Machtay Y, Soroker N, Frishman E.  
MRI in the follow-up of craniocerebral injured patients.  
Proceedings of the Fourth Annual Meeting of the Society of Magnetic Resonance in Medicine, 1985; 1:390-391.
2. Oksenberg A, Soroker N, Solzi P.  
Sleep in Locked-in syndrome.  
Journal of Electroencephalography and Clinical Neurophysiology, 1990; 75:S109.

3. Vakil E, Galek S, Soroker N, Ring H, Gross Y.  
The effect of right versus left cerebral damage on automatic memory processes: the case of frequency judgement.  
Journal of Clinical and Experimental Neuropsychology, 1991; 13:17.
4. Vakil E, Biran N, Soroker N.  
The effect of right versus left cerebral damage on automatic memory processes: the case of spatial location.  
Journal of Clinical and Experimental Neuropsychology, 1991; 13:68.
5. Pavlovskaya M, Soroker N, Vol I, Glass I, Blum B, Groswasser Z.  
Pattern recognition in patients with spatial-attentional deficits (neglect): The effect of allocating attention to different loci in an object-centred space.  
Perception, 1993; 22:108.
6. Pavlovskaya M, Sagi D, Soroker N.  
Perceptual grouping can recover extinguished stimuli but not neglected ones.  
Israel Journal of Medical Sciences, 1995; 31:763-764.
7. Dimitrijevic MM, Pollo F, Soroker N, Stokic DS, Dimitrijevic MR.  
Electrophysiological characteristics of the effective stimulus for the modification of muscle tone and volitional activity in humans with spastic hand after stroke.  
Society for Neuroscience Abstracts 1995; 21 (1-3):268.
8. Dimitrijevic MM, Soroker N, Landa J, Serfaty C, Solzi P.  
Subsensory threshold electrical stimulation of the whole hand via a wired mesh glove in chronic stroke patients.  
Journal of Rehabilitation Sciences, 1995; 8:36.
9. Pavlovskaya M, Sagi D, Soroker N.  
Visual extinction and cortical connectivity in human vision.  
Perception, 1996; 25:S92.
10. Hadar U, Wenkert D, Soroker N.  
Gesture and the processing of speech in aphasia.  
Brain and Language, 1996; 55:180-182.
11. Glass I, Pavlovskaya M, Soroker N, Groswasser Z, Blum B.  
Spatial attentional deficits (neglect syndrome) in humans following brain damage - brain electrical activity mapping.  
Neuroscience Letters, 1997; 48: S20-21(supp).
12. Vakil E, Soroker N, Blachstein H.  
The effect of basal ganglionic lesions on declarative and procedural learning tasks.  
Journal of the International Neuropsychological Society (JINS), 1998; 4: 226.
13. Deouell LY, Bentin S, Soroker N.  
Preattentive aspects of unilateral neglect scrutinized by mismatch negativity.  
Psychophysiology, 1999; 36:S6 Suppl 1.
14. Dvorkin A, Flash T, Bentin S, Soroker N, Behrmann M.  
Reference frames in reaching to visual targets.  
Neural Plasticity, 2001; 8:170.
15. Dvorkin AY, Flash T, Behrmann M, Soroker N, Bentin S.  
Visuo-motor impairments in unilateral neglect.  
Neural Plasticity, 2002; 9:81.

16. Pavlovskaya MB, Bonne Y, Soroker N, Sagi D, Ring H, Yakovlev V. Perceptual switching in patients with attention deficits. Society for Neuroscience Abstracts 2001; 27(2):2249.
17. Bonne Y, Pavlovskaya M, Soroker N. Slow binocular rivalry in hemispatial neglect. Journal of Vision, 2002; 2(7):278.
18. Landau AN, Aviezer H, Robertson LC, Peterson MA, Soroker N, Sacher Y, Bonne Y & Bentin S. Implicit object recognition in visual integrative agnosia: Patient SE. Journal of Vision, 2005; 5(8), 289.
19. Pavlovskaya M, Soroker N, Bonne Y. Additional extinction-specific deficit in unilateral neglect syndrome: evidence from contrast detection experiments. Brain and Cognition, 2006; 62 (1):84.
20. Pavlovskaya M, Soroker N, Bonne Y. Contrast-detection experiments shed new light on the relationship between extinction and neglect following right-hemisphere damage. Perception, 2007; 36:132.
21. Soroker N. New directions for cognitive rehabilitation: Towards online monitoring of treatment-related plasticity. Journal of Rehabilitation Medicine, 2008; Suppl 46: 17.
22. Frenkel-Toledo S, Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N. Action Observation in Stroke Patients: Investigating the Mechanism Using EEG. European Journal of Physical and Rehabilitation Medicine, 2010; 46 (suppl 1, issue 2): 220.
23. Soroker N. Rehabilitation treatment for spatial neglect: manipulating brain plasticity in neural networks for spatial attention and space representation. European Journal of Physical and Rehabilitation Medicine, 2010; 46 (suppl 1, issue 2): 219.
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25. Pavlovskaya M, Bonne Y, Soroker N, Hochstein S. Neglect field objects impact statistical property report in patients with unilateral spatial neglect. Perception, 2011; 40 Suppl: 122.
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