

## Nachum Soroker MD - List of Scientific Publications (18.12.21):

### 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.  
J Electroencephalography Clin 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. Bonne 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, Bonnef Y, Bentin S. Implicit integration in a case of integrative visual agnosia. Neuropsychologia, 2007, 45:2066-2077.
51. Pavlovskaya M, Soroker N, Bonnef 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. Bonnef 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, Bonne 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, Bonne Y, Soroker N.  
Global statistics are not neglected.  
Journal of Vision, 2015, 15(4):7, 1–17.
70. Raphaely-Beer N, Bornstein NM, Soroker N, Katz-Leurer M.  
Autonomic cardiac response to static and dynamic muscle contractions in post-stroke and healthy subjects.  
European Neurology, 2016, 75:207-212.
71. Frenkel-Toledo S, Liebermann DG, Bentin S, Soroker N.  
Dysfunction in the human mirror neuron system in parietal apraxia: evidence from mu suppression.  
Journal of Cognitive Neuroscience, 2016, 28:775-91.
72. Kahana-Zweig R, Geva-Sagiv M, Weissbrod A, Secundo L, Soroker N, Sobel N.  
Measuring and Characterizing the Human Nasal Cycle  
PLoS ONE, 2016, October 6; pp 1-28.
73. Raphaely-Beer N, Soroker N, Bornstein NM, Katz-Leurer M.  
Association between cardiac autonomic control and cognitive performance among patients post stroke and age matched controls – an exploratory pilot study.  
Neurological Sciences, 2017, 38(11), 2037-2043.

74. Raphaely-Beer N, Soroker N, Bornstein NM, Katz-Leurer M.  
The cardiac autonomic nervous system response to different daily demands among patients at the sub-acute phase post ischemic stroke and healthy controls.  
NeuroRehabilitation, 2018, 42:391-396.
75. Levin MF, Baniña MC, Frenkel-Toledo S, Berman S, Soroker N, Solomon JM, Liebermann D.  
Personalized upper limb training combined with anodal-tDCS for sensorimotor recovery in spastic hemiparesis: study protocol for a randomized controlled trial.  
Trials, 2018, 18; 7-
76. Bar-Haim Erez A, Soroker N, Katz N. Phasic alerting combined with visual spatial training: a novel therapeutic approach for unilateral spatial neglect.  
Int Phys Med Rehab J, 2018, 3(3):243-251.
77. Bartur G, Pratt H, Frenkel-Toledo S, Soroker N.  
Neurophysiological effects of mirror visual feedback in stroke patients with unilateral hemispheric damage.  
Brain Research, 2018, 1700:170-180.
78. Hochstein S, Pavlovskaya M, Bonne Y, Soroker N.  
Comparing set summary statistics and outlier pop out in vision.  
Journal of Vision, 2018, 18(13):12, 1–13.
79. Davidowitz I, Parmeta Y, Frenkel-Toledo S, Baniña MC, Soroker N, Solomon JM, Liebermann DG, Levin MF, Berman S.  
Relationship between spasticity and upper limb movement disorders in patients with stroke using stochastic spatiotemporal modeling.  
NeuroRehabilitation and Neural Repair, 2019, 33:141-152. doi: 10.1177/1545968319826050.
80. Handelzalts S, Kanner-Furman M, Gray G, Soroker N, Melzer I.  
Effects of perturbation-based balance training in persons with stroke: A randomized controlled trial.  
NeuroRehabilitation and Neural Repair, 2019, 33:213-224. doi: 10.1177/1545968319829453.
81. Soroker N.  
The Sidney Licht Lectureship Award 2017: Novel options for restoration of discrete functions following brain damage.  
Journal of the International Society of Physical and Rehabilitation Medicine, 2019, 2(1):12-18.
82. Handelzalts S, Melzer I, Soroker N.  
Analysis of lesion impact on balance and gait following Stroke.  
Frontiers in Human Neuroscience, 2019, May 19, doi: 10.3389/fnhum.2019.00149
83. Handelzalts S, Steinberg-Henn F, Levy S, Shani G, Soroker N, Melzer I.  
Insufficient balance recovery following unannounced external perturbations in persons with stroke.  
NeuroRehabilitation and Neural Repair, 2019, 33(9):730-739.
84. Bartur G, Pratt H, Dickstein R, Soroker N.  
Changes in mu and beta amplitude of the EEG during upper limb movement correlate with motor impairment and structural damage in subacute stroke.  
Clin Neurophysiol, 2019, 130:1644–1651.
85. Frenkel-Toledo S, Friedberg G, Ofir S, Bartur G, Raz J, Granot O, Handelzalts S, Soroker N.  
Lesion location impact on functional recovery of the hemiparetic upper limb.  
PLoS ONE, 2019, 14(7): e0219738.

86. Handelzalts S, Steinberg-Henn F, Soroker N, Schwenk M, Melzer I.  
Inter-observer reliability and concurrent validity of reactive balance strategies in people with stroke.  
Israel Medical Association Journal (IMAJ), 2019, 21:773-778.
87. Raphaely-Beer N, Katz-Leurer M, Soroker N.  
Lesion configuration effect on stroke-related cardiac autonomic dysfunction.  
Brain Research, 2020, 15;1733:146711. doi: 10.1016/j.brainres.2020.146711.
88. Pirondini E, Goldshuv-Ezra N, Zinger N, Britz J, Soroker N, Deouell LY, Van De Ville D.  
Resting-state EEG topographies: reliable and sensitive biomarkers of spatial neglect.  
NeuroImage Clinical, 2020, 5;26:102237. doi: 10.1016/j.nicl.2020.102237.
89. Handelzalts S, Gray G, Steinberg-Henn F, Soroker N, Melzer I.  
Characteristics of proactive balance and gait performance in subacute stroke patients demonstrating varying reactive balance capacity – a research study.  
Neurorehabilitation, 2020, 46 (4):491-500.
90. Baniña MC, Molad R, Solomon JS, Berman S, Soroker N, Frenkel-Toledo S, Liebermann DG, Levin MF.  
Exercise intensity of the upper limb can be enhanced using a virtual rehabilitation system.  
Disabil Rehabil Assist Technol, 2020, 18;1-7. doi: 10.1080/17483107.2020.1765421.
91. Ossmy O, Mansano L, Frenkel-Toledo S, Kagan E, Koren S, Gilron R, Reznik D, Soroker N, Mukamel R.  
Cross education combined with bimodal mirrored sensory feedback: A novel rehabilitation strategy tested in a case of hemi-Parkinson's disease.  
Disabil Rehabil Assist Technol, 2020, 11;1-13. doi: 10.1080/17483107.2020.1785561.
92. Frenkel-Toledo S, Ofir-Geva S, Soroker N.  
Lesion topography impact on shoulder abduction and finger extension - clinical predictors of hemiparetic upper limb function.  
Frontiers in Human Neuroscience, 2020, 14:282. doi: 10.3389/fnhum.2020.00282.
93. Cohen-Dallal H, Soroker N, Pertzov Y.  
Working memory in unilateral spatial neglect: evidence for impaired binding of object identity and object location data.  
J Cognitive Neuroscience, 2021, 33:46-62. doi: 10.1162/jocn\_a\_01631.
94. Handelzalts S, Chen-Steinberg F, Soroker N, Shani G, Melzer I.  
Characteristics of upper extremity reactions to sudden lateral loss of balance in persons with stroke.  
Clin Biomechanics, 2021, 82:105255. doi: 10.1016/j.clinbiomech.
95. Frenkel-Toledo S, Ofir-Geva S, Mansano L, Granot S, Soroker N.  
Stroke Lesion Impact on Lower Limb Function and Gait.  
Front Hum Neurosci, 2021, 1;15:592975. doi: 10.3389/fnhum.
96. Frenkel-Toledo S, Solomon JM, Shah A, Baniña MC, Berman S, Soroker N, Liebermann DG, Levin MF.  
Tonic stretch reflex threshold as a measure of spasticity after stroke: inter-rater reliability, minimal detectable change and responsiveness.  
Clinical Neurophysiology, 2021, 132:1226–1233.



97. Ofir-Geva S, Serfaty C, Sacher Y, Soroker N.  
Unilateral spatial neglect without hemiplegia: the output-mode effect revisited.  
Journal of Stroke and Cerebrovascular Diseases, 2021, 30 (7): 105777
98. Lackritz H, Parmet Y, Frenkel-Toledo S, Banina MC, Soroker N, Solomon JM, Liebermann DG, Levin ML, Berman S.  
Quantifying the effects of spasticity following stroke on voluntary motor control using stochastic measures.  
J Neuroeng Rehabil, 2021, 13;18:81. doi: 10.1186/s12984-021-00876-6.
99. Handelzalts S, Steinberg-Henn F, Farquhar J, Shkedy A, Levy S, Riemer R, Soroker N, Melzer I.  
Temporal but not spatial gait parameters associate with lower balance capacity in moderate-high functioning persons with stroke.  
J Neurologic Physical Therapy, 2021, 45: 301-309. Doi: 10.1097/NPT.0000000000000368.
100. Ben-Zvi S, Soroker N, Levy DA.  
Neuropsychological evidence for dissociable neurocognitive processes underlying episodic recognition of unfamiliar faces.  
Neuropsychologia, 2021, 10;163:108078. doi: 10.1016/j.neuropsychologia.2021.108078.
101. Cohen-Dalal H, Rahamim-Elyakim N, Soroker N, Pertzov Y.  
Verbal tagging can impair memory of object location: Evidence from aphasia.  
Neuropsychologia, 2022, Accepted for publication 14.1.22

*Original Articles Under Review or in a Final Stage of Preparation:*

1. Mindy F. Levin, Silvi Frenkel-Toledo, Sigal Berman, Melanie C. Baniña, Nachum Soroker, John M. Solomon, Dario G. Liebermann  
ENHANCE: Personalized upper limb training combined with anodal-tDCS for sensorimotor recovery in spastic hemiparesis: preliminary randomized controlled trial.  
(final stage of preparation).
2. Ofir-Geva S, Meilijson I, Frenkel-Toledo S, Soroker N.  
Hemispheric asymmetry in the effect of stroke lesion topography on contralateral upper limb paresis revealed by multi-perturbation Shapley analysis.  
(final stage of preparation).
3. Raz-Loewenthal J, Liebermann DG, Friedman J, Soroker N.  
Effect of tDCS on upper limb reaching kinematics in subacute stroke patients and in healthy subjects.  
(final stage of preparation).
4. Goldshuv-Ezra N, Pratt H, Soroker N.  
EEG-biofeedback treatment for unilateral spatial neglect.  
(final stage of preparation).
5. Serfaty C, Soroker N.  
Inter-hemispheric rivalry vs completion: lessons from line bisection performance with the right and left hands following callosal section.  
(final stage of preparation).

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.

7. Goldberg G. and Soroker N.  
Neurophysiology and Cognitive Neuroscience. In B.J. O'Young, M.A. Young, S.A. Stiens, Wu, S (Eds.): *Physical Medicine and Rehabilitation Secrets*, 4<sup>th</sup> Ed., Elsevier-Mosby, Philadelphia, 2019, In press.
8. Frenkel-Toledo S, Ofir-Geva S, Soroker N.  
Lesion topography impact on shoulder abduction and finger extension - clinical predictors of hemiparetic upper limb function. (Frontiers in Human Neuroscience, 2020, 14:282. doi: 10.3389/fnhum.2020.00282) - appeared as chapter in: Duque, J., ed. (2021). *Motor Neuroscience Editor's Pick 2021*. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88971-146-8

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. 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.  
Institute for Advanced Studies Int. WS 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 USN.  
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 USN 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.  
2D 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 USN with electrical stimulation of the contralesional hand below the sensory threshold.  
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 USN patients 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 14<sup>th</sup> 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, Bonne 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. Bonneh 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 & Louis Stein Conf 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, Bonneh 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, Bonneh Y, Pavlovskaya M, Sacher Y, Ophir S, Deouell 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 rehab: 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, Bonneh 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 USN.  
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 USN.  
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 USN.  
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 LHD.  
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 RHD.  
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, Bonne 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, Soroker 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 USN.  
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, Bonne 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, Bonneh 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, Bonneh 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, 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, 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, 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, Portugal, 2006.
152. Soroker N.  
Cognitive rehabilitation for brain-damaged patients.  
6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Portugal, 2006 (**invited WS**).
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 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. Lev S, 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 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 USN: cancellation and line bisection vs. computerized RT 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, Bonneh 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 USN 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 WS, 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.  
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 P&RM, Nanjing, China, 2008 (**invited plenary speaker**).
173. Soroker N.  
EEG-biofeedback treatment for USN: 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.  
15<sup>th</sup> Int Symposium on Olfaction and Taste, Association of Chemoreception Sciences. 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.  
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, Bonnef YS.  
Sensitivity loss does not predict the quality of vision in unilateral spatial neglect.  
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 IAPRM, 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 IAPRM, 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 IAPRM, 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 IAPRM, 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 IAPRM, 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 IAPRM, 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 IAPRM, Tel-Aviv, Israel, 2008.
187. Soroker N.  
The scientific work and the contribution of Haim Ring to rehabilitation medicine.  
59<sup>th</sup> Annual Meeting of the IAPRM, 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, Bonnef 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, 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.  
60<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2009.
197. Sela L, Sacher Y, Serfaty C, Sobel N, Soroker N.  
Olfaction following thalamic stroke.  
60<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2009.
198. Plotkin A, Weissbrod A, Sela L, Sobel N, Soroker N.  
A brain-machine interface through the nose.  
60<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2009.
199. Rahmani L, Benbunan B, Soroker N.  
Probabilistic thinking following basal ganglionic infarctions.  
60<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2009.
200. Soroker N.  
Cortical priming using different modes of focal stimulation – an appraisal of the current state of knowledge.  
60<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2009 (**workshop moderator**).
201. Soroker N.  
Second look at the concept of EBM applied to rehabilitation of brain damaged patients: the case of spatial neglect.  
60<sup>th</sup> Annual Meeting of the IAPRM, 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.  
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.  
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.  
17<sup>th</sup> 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.  
17<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Venice, Italy, 2010.
207. Soroker N.  
USN rehabilitation: manipulating brain plasticity in neural networks for spatial attention and space representation.  
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: RCT.  
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.  
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?  
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.  
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 clinical brain rehab.  
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.  
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.  
61<sup>st</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2010.
215. Levy D, Shefer S, Soroker N.  
Cortical substrates of cross-modal associative memory processes.  
61<sup>st</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2010.
216. Ratmanski M, Dephrin R, Soroker N.  
Treating post-stroke hemiplegic shoulder pain using a neuro-musculoskeletal approach: RCT.  
61<sup>st</sup> Annual Meeting of the IAPRM, 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.  
61<sup>st</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2010.
218. Soroker N.  
Neuroanatomical and neurophysiological considerations in recovery of function after stroke.  
61<sup>st</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2010. (**keynote lecture**).
219. Soroker N.  
Speech production and the neural basis of motor control.  
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.  
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.  
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.  
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.  
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.  
62<sup>nd</sup> Annual Meeting of the IAPRM, 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 in rehabilitation.  
62<sup>nd</sup> Annual Meeting of the IAPRM, 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.  
62<sup>nd</sup> Annual Meeting of the IAPRM, 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.  
62<sup>nd</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2011.
231. Moreh E, Seidel-Malkinson T, Zohary E, Soroker N.  
Visual memory in USN: successful verbal recall eliminates laterality effects in a later recognition task.  
62<sup>nd</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2011.
232. Soroker N.  
Neuroplasticity modulation and circuit retraining in stroke rehabilitation 2011.  
62<sup>nd</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2011.
233. Soroker N.  
USN: 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.  
USN: 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).  
2012 Research Fair, TAU Sadler 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.  
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 PRM, 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 PRM, Thessaloniki, Greece, 2012 (**invited speaker**).
240. Soroker N.  
Neuroplasticity modulation: a new frontier in stroke rehabilitation.  
Israel-Italy Conference: New Frontiers in Rehab: Technology & 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 (EVP), 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. 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. 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. 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 IAPRM, Tel-Aviv, Israel, 2012.
248. Soroker N.  
Visual information processing in the parietal cortex: Lessons from unilateral and bilateral PPC damage. 63<sup>rd</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2012 (**keynote lecture**).
249. Soroker N.  
Theory-driven rehabilitation for brain-damaged patients: current models and future directions. 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. 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. 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 USN: In search of an explanatory model. 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. 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. 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. 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, Grossman S, Weissbrod A, Plotkin A, Serfaty C, Soroker N, Sobel N.  
The Nasal Cycle: Functional Neural Asymmetry Reflected in the Nose. 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. 64<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2013.

258. Frenkel-Toledo S, Bentin S, Liebermann D, Soroker N.  
Action observation in stroke rehabilitation: behavioral and neurophysiological effects.  
64<sup>th</sup> Annual Meeting of the IAPRM, 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.  
64<sup>th</sup> Annual Meeting of the IAPRM, 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.  
64<sup>th</sup> Annual Meeting of the IAPRM, 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.  
64<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2013 (**moderator, pre-congress workshop**).
263. Soroker N.  
Current and future directions in neuroplasticity modulation after stroke.  
64<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2013 (**keynote lecture**).
264. Soroker N.  
Theory-driven focal cortical excitation in the treatment of unilateral spatial neglect.  
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 (ECPV), 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.  
65<sup>th</sup> Annual Meeting of the IAPRM, Jerusalem, Israel, 2014.
271. Granot A, Soroker N.  
Low level of protein-S may have clinical significance in the acute phase post stroke.  
65<sup>th</sup> Annual Meeting of the IAPRM, Jerusalem, Israel, 2014.
272. Granot A, Soroker N.  
Dilemmas in stroke rehabilitation: Treatment of DVT in patients with brain haemorrhage.  
65<sup>th</sup> Annual Meeting of the IAPRM, Jerusalem, Israel, 2014.
273. Soroker N, Raz J, Bartur G, Frenkel-Toledo S.  
Modulation of brain plasticity in stroke rehabilitation.  
65<sup>th</sup> Annual Meeting of the IAPRM, 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**).
277. Frenkel-Toledo S, Friedberg G, Soroker N.  
Effects of lesion extent and location on recovery of gait in stroke patients.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
278. Friedberg G, Frenkel-Toledo S, Soroker N.  
Effects of lesion extent and location on recovery of upper-limb function in stroke patients.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
279. Raz J, Soroker N, Friedman J, Liebermann DG.  
Effects of tDCS on motor learning: preliminary observations on upper limb performance in healthy subjects.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
280. Raphaely-Beer N, Bornstein NM, Soroker N, Katz-Leurer M.  
Autonomic cardiac response to static and dynamic muscle contractions in post-stroke and healthy subjects.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
281. Bartur G, Dickstein R, Pratt H, Frenkel-Toledo S, Soroker N.  
Neurophysiological effects of mirror visual feedback in stroke patients with unilateral hemispheric damage.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
282. Goldshuv-Ezra N, Pratt H, Soroker N.  
EEG-biofeedback treatment for unilateral spatial neglect: a behavioral and functional imaging study.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
283. Handelzalts S, Soroker N, Melzer I.  
Characteristics of balance reactions to external perturbations in standing and walking among post-stroke individuals.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
284. Ben-Zvi S, Levy DA, Soroker N.  
Middle cerebral artery lesion effects on measures and indices of the wechsler memory scale.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016.
285. Soroker N.  
Rehab-relevant basic sciences in light of the ICF: RST-Network as a means to strengthen the scientific foundation of rehabilitation medicine.  
Rehab Science and Technology Update (RSTU2016), Tel-Aviv, Israel, 2016. (**plenary lecture**).
286. Soroker N.  
tDCS for motor control: promises and open questions.  
Mid-Year Conference of the IAPRM, Raanana, Israel, 2016 (**opening lecture**).
287. Pavlovskaya M, Soroker N, Bonnef Y, Hochstein S.  
Statistical Averaging and Deviant Detection in Heterogeneous Arrays  
European Conference on Visual Perception (ECCV), Berlin, Germany, 2017.
288. Handelzalts S, Soroker N, Melzer I.  
Characteristics of balance control to unexpected loss of balance in stroke individuals.  
ISPRM Congress, Fort Lauderdale, FL, USA, 2017.
289. Ossmy O, Mansano L, Frenkel-Toledo S, Kagan E, Koren S, Gilron R, Mukamel R, Soroker N.  
Cross education combined with bi-modal 'mirror' feedback – a novel rehab strategy for the hemiparetic upper limb.  
11<sup>th</sup> ISPRM World Congress, Buenos Aires, Argentina, 2017.
290. Bartur G, Pratt H, Dickstein R, Frenkel-Toledo S, Soroker N.  
Neurophysiological effects of mirror therapy in stroke.  
11<sup>th</sup> ISPRM World Congress, Buenos Aires, Argentina, 2017.
291. Frenkel-Toledo S, Friedberg G, Bartur G, Soroker N.  
Neural basis of recovery of upper-limb function in stroke patients.  
11<sup>th</sup> ISPRM World Congress, Buenos Aires, Argentina, 2017.

292. Soroker N.  
Novel options for restoration of discrete functions. **The Sidney-Licht Award Plenary Lecture.**  
11<sup>th</sup> ISPRM World Congress, Buenos Aires, Argentina, 2017.
293. Soroker N.  
Modulation of brain plasticity in stroke rehabilitation.  
Annual Meeting of the Israel Neurological Society, Israel, 2017. **Invited Plenary Lecture.**
294. Pavlovskaya M, Soroker N, Bonne Y, Hochstein S.  
Relating pop-out and summary statistic perception.  
Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel, 2017.
295. Pavlovskaya M, Soroker N, Bonne Y, Hochstein S.  
Statistical averaging and deviant detection may share mechanisms.  
Society for Neuroscience Annual Meeting, Washington DC, 2017.
296. Frenkel-Toledo S, Friedberg G, Bartur G, Soroker N.  
Hemisphere specific patterns of lesion impact on motor recovery in stroke patients.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
297. Ofir S, Serfaty C, Sacher Y, Soroker N.  
Longitudinal dynamics of inter-hemispheric balance after stroke: Lessons from line bisection in USN.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
298. Raz J, Soroker N, Friedman J, Liebermann DG.  
Effect of tDCS on reaching kinematics in subacute stroke patients.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
299. Pavlovskaya M, Hochstein S, Bonne Y, Soroker N.  
Varieties of attention in stroke patients with unilateral spatial neglect: Lessons from average computation.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
300. Mansano L, Hadar-Zalstein A, Greenberg S, Sacher Y, Serfaty C, Bentin S, Soroker N.  
Space representation in stroke patients with unilateral neglect: Judgment based on visual and tactile information maintained in spatial working memory.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
301. Handelzalts S, Soroker N, Melzer I.  
Measures of balance capacity in response to surface perturbations in stroke survivors.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
302. Granot O, Ratmansky M, Asher D, Soroker N.  
Prediction of favorable response to a-tDCS applied on ipsilesional M1 for relief of hemiplegic shoulder pain.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
303. Raphaely-Beer N, Soroker N, Bornstein NM, Katz-Leurer M.  
The cardiac autonomic nervous system response to physical therapy demands during stroke rehabilitation.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
304. Serfaty C, Soroker N.  
Contribution of the left and right cerebral hemispheres to correct bisection of horizontal lines: Lessons from isolated hemispheric performance following section of the forebrain commissures.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
305. Serfaty C, Shasha A, Shaya O, Soroker N.  
Chronic post-anoxic myoclonus (Lance-Adams Syndrome): Rehabilitation perspective of a highly disabling condition.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
306. Steinberg-Henn F, Handelzalts S, Soroker N, Melzer I.  
Characteristics of postural reactions to unexpected loss of balance during standing in stroke survivors with emphasis on arm reactions.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.
307. Bartur G, Pratt H, Dickstein R, Soroker N.  
Changes in mu and beta amplitude of the EEG during upper-limb movement correlate with motor impairment and structural damage in subacute stroke.  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017.

308. Soroker N.  
Why salient objects and events fail to reach conscious awareness following right parietal stroke?  
67<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2017 (**Moderator Didactic Session**).
309. Soroker N.  
Monitoring the neurophysiological response to interventions in brain rehabilitation.  
67<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel, 2017.
310. Serfaty C, Soroker N.  
Inter-hemispheric rivalry vs. completion: lessons from line bisection performance with the right and left hands following callosal section.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
311. Lowenthal-Raz J, Soroker N., Friedman J, Liebermann DG.  
Effect of tDCS on reaching kinematics in subacute stroke patients.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
312. Mansano L, Hadar-Zalstein A, Greenberg S, Sacher Y, Serfaty C, Bentin S, Soroker N. Representational neglect following right hemisphere stroke: failed retrieval of visual and tactile data from working memory.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
313. Meimoun M, Lieberman DG, Frenkel-Toledo S, Levin MF, Solomon JM, Berman S, Soroker N.  
Effects of lesion extent and location on upper-limb function following hemispheric stroke.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
314. Ofir S, Serfaty C, Sacher Y, Soroker N.  
Hand-laterality effect on USN: a rare insight on the longitudinal dynamics of inter-hemispheric balance post stroke.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
315. Frenkel-Toledo S, Lieberman DG, Levin MF, Solomon JM, Berman S, Meimoun M, Soroker N.  
Effects of lesion extent and location on upper-limb spasticity following hemispheric stroke.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
316. Soroker N., Friedberg G, Frenkel-Toledo S.  
The neural substrate of residual motor function after stroke: comparison of left and right hemisphere damage.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
317. Steinberg Henn F, Handelzalts S, Soroker N., Melzer I.  
Characteristics of postural reactions to unexpected loss of balance during standing in stroke survivors.  
12<sup>th</sup> ISPRM World Congress, Paris, France, 2018.
318. Berman S, Davidi A, Lachriz H, Baniña MC, Frenkel-Toledo S, Soroker N., Solomon JM, Liebermann DG, Levin MF.  
Assessing motion improvement in patients with stroke using kinematic modeling.  
World Stroke Congress, Montreal, Canada, 2018.
319. Levin MF, Chan-Viquez D, Solomon JM, Berman S, Baniña MC, Frenkel-Toledo S, Soroker N., Liebermann DG.  
A new clinical measure of spasticity based on the tonic stretch reflex threshold.  
World Stroke Congress, Montreal, Canada, 2018.
320. Soroker N., Friedberg G, Frenkel-Toledo S.  
Stroke Location Impact on Early and Late Motor Recovery.  
World Stroke Congress, Montreal, Canada, 2018.
321. Baniña MC, Solomon JM, Frenkel-Toledo S, Soroker N., Berman S, Liebermann DG, Levin MF.  
Level of difficulty and intensity of upper limb movement training using a virtual reality system.  
World Stroke Congress, Montreal, Canada, 2018.
322. Liebermann DG, Frenkel-Toledo S, Meimoun M, Berman S, Baniña MC, Solomon JM, Levin M, Soroker N.  
Structural level and lesioned side interact as determinants of upper-limb motor impairment in SA stroke patients.  
World Stroke Congress, Montreal, Canada, 2018.
323. Handelzalts S, Steinberh-Henn F, Kanner-Furman M, Gray G, Soroker N., Shani G, Melzer I.  
Difference between "volitional step" and "compensatory step" movements in people with stroke.  
68<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2018.
324. Lowenthal Raz J, Soroker N., Friedman J, Liebermann DG.  
tDCS effect on movement coordination in a grasping and lifting task.  
68<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2018.

325. Ben-Zvi Feldman S, Levy DA, Soroker N.  
Neural substrate of associative recognition memory: neuropsychological evidence.  
68<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2018.
326. Soroker N.  
Why patients with brain damage develop hemiparesis?  
68<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2018 (**Moderator Didactic Session**).
327. Soroker N.  
The neurobiology of hemiparesis.  
68<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2018 (**Plenary Keynote Lecture**).
328. Lowenthal Raz J, Friedman J, Liebermann D, Soroker N.  
Movement control in a grasp-and-lift task following stroke: The effect of transcranial direct current stimulation.  
13<sup>th</sup> ISPRM World Congress, Kobe, Japan, 2019.
329. Melzer I, Handelzalts S, Steinberg-Henn F, Kanner-Furman M, Gray G, Soroker N, Shani G.  
Biomechanical properties of "volitional step" and "compensatory step" movements in people with stroke.  
13<sup>th</sup> ISPRM World Congress, Kobe, Japan, 2019.
330. Granot O, Ratmansky M, Rubin-Asher D, Soroker N.  
Clinical and lesion profiles of stroke patients with hemiplegic shoulder pain.  
13<sup>th</sup> ISPRM World Congress, Kobe, Japan, 2019.
331. Ofir S, Frenkel-Toledo S, Meilijson I, Soroker N.  
Using MSA to unravel the impact of lesion configuration on residual motor control after stroke.  
13<sup>th</sup> ISPRM World Congress, Kobe, Japan, 2019.
332. Soroker N, Ofir S, Lowenthal Raz J, Handelzalts S, Friedberg G, Frenkel-Toledo S.  
Late recovery from motor impairment following stroke.  
13<sup>th</sup> ISPRM World Congress, Kobe, Japan, 2019.
333. Ossmy O, Mansano L, Frenkel-Toledo S, Kagan E, Koren S, Gilron R, Reznik D, Soroker N, Mukamel R.  
Motor learning by cross education in Hemi-Parkinson's disease: effects of virtual mirrored sensory feedback.  
ICVR – International Conference on Virtual Rehabilitation, Tel Aviv, Israel, 2019.
334. Banina MC, Molad R, Solomon J, Soroker N, Berman S, Liebermann DG, Frenkel-Toledo S, Levin M.  
Exercise intensity is increased during upper-limb movement training using a virtual rehabilitation system.  
ICVR – International Conference on Virtual Rehabilitation, Tel Aviv, Israel, 2019.
335. Ben-Zvi S, Soroker N, Levy D.  
Neuroanatomy of face recognition memory.  
The Israeli Human Neuroimaging Conference 2019, Jerusalem, Israel, 2019.
336. Ben-Zvi S, Soroker N, Levy D.  
Neuropsychological evidence for cortical substrates of associative recognition memory.  
6<sup>th</sup> annual meeting of IS COP, 2019, Akko, Israel, 2019.
337. Handelzalts S, Melzer I, Soroker N.  
Analysis of brain lesion impact on balance and gait following stroke.  
World Congress of the International Society for Posture and Gait Research (ISPGR), Edinburgh, UK, 2019.
338. Soroker N.  
The proportional recovery rule in brain rehabilitation.  
Mid-Year Conference of the IAPRM, Raanana, Israel, 2019.
339. Soroker N.  
Short-term effects of rehab interventions on impairments of basic brain functions – implications for a theory of recovery.  
Mid-Year Conference of the IAPRM, Raanana, Israel, 2019.
340. Ben-Zvi S, Soroker N, Levy D.  
Neural substrate of recognition memory for unfamiliar faces.  
Cog NSci of Memory: The Recollection, Familiarity, and Novelty Detection Conference, Liège, Belgium, 2019.
341. Soroker N.  
What is the theory behind tDCS use in rehabilitation?  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019. (**Moderator, Pre-Congress Workshop**).



342. Handelzalts S, Melzer I, Soroker N.  
Analysis of brain lesion impact on balance following stroke.  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019.
343. Ben-Zvi Feldman S, Soroker N, Levy DA.  
Lesion topography impact on recognition memory for unfamiliar faces.  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019.
344. Granot O, Ratmansky M, Soroker N.  
First event stroke patients with hemiplegic shoulder pain: A stroke lesion profile.  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019.
345. Serfaty C, Ofir S, Soroker N.  
Assessment of recovery from neglect: target cancellation contrasted with line bisection.  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019.
346. Soroker N.  
Theory and empirical evidence in cortical-priming research.  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019 (Didactic-Track Session).
347. Soroker N.  
Why is it important to know the lesion data in stroke rehabilitation?  
69<sup>th</sup> Annual Meeting of the IAPRM, Tel-Aviv, Israel, 2019 (**Moderator, Didactic-Track Session**).
348. Ben-Zvi Feldman S, Soroker N, Levy DA.  
Lesion effects on recognition memory for unfamiliar faces.  
Annual Meeting of the Israeli Neuropsychological Society, Tel Aviv, Israel, 2020.
349. Ofir S, Serfaty C, Sacher Y, Soroker N.  
USN without hemiplegia: Why the left and right hands mark the middle of horizontal lines at a different place?  
Annual Meeting of the Israeli Neuropsychological Society, Tel Aviv, Israel, 2020.
350. Soroker N.  
Conscious access on the left in right parietal stroke.  
BIU Vision Science Virtual Seminar, 22.12.20. <https://www.youtube.com/watch?v=SljDt1cg4DY>
351. Soroker N.  
What do we mean when we speak about 'recovery'?  
70<sup>th</sup> Annual Meeting of the IAPRM, Virtual Congress, Israel, 2020 (**Moderator, Didactic-Track Session**).
352. Soroker N.  
The impact of lesion topography on motor recovery post stroke.  
Virtual ISPRM World Congress, 2021 (**Invited Speaker**).
353. Soroker N.  
Brain plasticity and motor recovery post stroke - role of NIBS.  
Mid-year conference of the IAPRM, Raanana, Israel, 2021 (**Moderator**).
354. Cohen-Dallal H, Soroker N, Pertzov Y.  
Stroke patients with unilateral spatial neglect fail to bind the objects' identity and location data in working memory.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
355. Cohen-Dallal H, Soroker N, Pertzov Y.  
What is the effect of verbal coding on visual working memory: Lessons from stroke patients with aphasia.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
356. Mazza O, Ben-Zvi Feldman S, Levy DA, Shehory O, Soroker N.  
Predicting the impact of stroke on face recognition memory by machine learning approach.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
357. Ofir-Geva S, Meilijson I, Frenkel-Toledo S, Soroker N.  
Upper-limb impairment is determined by damage to different motor-network hubs following left- and right-hemisphere stroke.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
358. Frenkel-Toledo S, Levin MF, Berman S, Liebermann DG, Baniña MC, Solomon JM, Ofir-Geva S, Soroker N.  
Shared and distinct voxel-based lesion-symptom mappings for spasticity and impaired voluntary movement in the hemiparetic upper limb.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.

359. Frenkel-Toledo S, Solomon JM, Shah A, Baniñaie MC, Berman S, Soroker N, Liebermann DG, Levine MF.  
Tonic stretch reflex threshold as a measure of spasticity after stroke: Psychometric properties.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
361. Ben-Zvi Feldman S, Levy DA, Shehory O, Soroker N.  
Memory for Objects' Identity, Location and Action following Stroke.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021.
362. Soroker N.  
Future perspectives for the use of NIBS to enhance motor recovery.  
71<sup>st</sup> Annual Meeting of the IAPRM, Israel, 2021 (**Moderator, Didactic Track Session**).

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

1. Reider-Groswasser I, Groswasser Z, Machtey 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.  
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