

## **CURRICULUM VITAE**

### **Gvion Aviah**

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### ***CURRENT POSITIONS***

June 2012	Senior Lecturer, Faculty of Health Professions, Ono Academic College
2008-current	External lecturer Department of Communications Disorders, Tel Aviv University
2002-current	External lecturer School of Education, Tel Aviv University
2002-current	Manager Department of Communications Disorders, Reuth Medical Center, Tel Aviv

### ***ACADEMIC DEGREES***

M.A., Speech and Hearing Disorders, school of Medicine, Tel Aviv University, 1995.(With distinction).

Ph.D., School of Education, Tel Aviv University, January, 2008.

Thesis title: The role of phonological working memory in sentence comprehension: Evidence from aphasia

### ***EDUCATION***

2002-2007	Ph.D., Tel Aviv University, School of Education
1988-1994	M.A., Tel Aviv University, Speech and Hearing Disorders
1982-1985	B.A., Tel Aviv University, Speech and Hearing Disorders

### ***EXPERIENCE AND POSITIONS***

June 2012-present	Senior Lecturer, Faculty of Health Professions, Ono Academic College
2008-2012	Full time faculty member (lecturer) Faculty of Health Professions, Ono Academic College
2008-present	External lecturer Department of Communications Disorders, Tel Aviv University
2002-present	External lecturer School of Education, Tel Aviv University
2002-present	Manager Department of Communications Disorders, Reuth Medical Center, Tel Aviv

2007-2008	External lecturer English Department, Bar Ilan University
1986-2002	Speech pathologist Loewenstein Hospital, Rehabilitation Center, Ra'anana
1996-1997	Chief speech pathologist Dan-Petach Tikva, Clalit, Ramat Gan
1995-1996	Speech pathologist Esther Hamalka, Clalit clinic, Tel Aviv
1994-1996	Speech pathologist Kroithamer, Soraski hospital, Tel Aviv
1985	Speech pathologist Alin hospital, Jerusalem

### **EDITORIAL BOARDS**

Associate Editor, Language and Brain (Hebrew)

June 2015 - Editor of DASH, the journal of the Israeli speech language and hearing association.

Ad hoc reviewer:

Journals:

- Lingua: 2014
- Journal of Speech Language and Hearing Research: 2005
- Aphasiology: 2006
- Cortex: 2007, 2011
- Behavioral Neurology, 2008

Grants:

- The National Institute for Psychobiology in Israel: 2004
- The Israeli Science Foundation: 2008
- The research foundations of the Medicine Faculty, Tel Aviv University, 2011

Conferences:

- annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014

### **PROFESSIONAL SOCIETIES**

Member in the Israeli Association of Physical and Rehabilitation Medicine

Member in the Israeli Speech Hearing and Language Association

A LSVT Certified Clinician

### **AWARDS and GRANTS**

Marcel Adams award, Adams Super Center for Brain Studies, Tel Aviv university, 2002, for the Published paper: Letter position dyslexia, *Cognitive Neuropsychology*, 18(8), 673-696.

Ministry of health chief scientist office grant on the genetics of subtypes of dyslexia, 2011

### **PUBLICATIONS**

#### **Chapters in books**

Gvion, A., & Friedmann, N. (2013). Pathology of language. In G. Kahn, S. Bolokzy, S.E., Fassberg, G.A., Rendsburg, A.D., Rubin, O.R., Schwartzwold, & T., Zewi, (Eds.), *Encyclopedia of Hebrew language and linguistics*, volume III (p-z) (pp. 49-53). Brill.

- Gvion, A., & Gil, M. (2011). Communicative disorders – language and speech disorders, and related disorders in rehabilitation. In Ori, A., Lazary, A., and Heruti, R. (Eds.) *Principles of rehabilitation medicine*, Probook. (in Hebrew).
- Friedmann, N., Gvion, A., & Novogrodsky, R. (2006). Syntactic movement in agrammatism and S-SLI: Two different impairments. In A. Belletti, E. Bennati, C. Chesi, E. Di Domenico & I. Ferrari (Eds.), *Language acquisition and development* (pp. 197-210). Newcastle, UK: Cambridge Scholars Press/CSP.

### **Published articles**

- Lifshitz Ben Basat, A., Gvion, A., Vatin, J.J., & Mashal, N. ((2016.). Transcranial direct current stimulation to improve naming abilities of persons with chronic aphasia: A preliminary study using individualized based protocol. *Journal of Neurolinguistics*, 38, 1-13.
- Friedmann, N., Gvion, A., & Nissim, R. (2015). Insights from developmental and acquired letter position dyslexia on morphological decomposition in reading. *Frontier in Human Neuroscience*, 9:143. doi:10.3389/fnhum.2015.
- Friedmann, N., Gvion, A. (2014). Compound reading un Hebrew text-based neglect dyslexia: The effects of the first word on the second word and of the second on the first. *Cognitive Neuropsychology*, 31, 106-122.
- Biran, M., Gvion, A., Sharabi, L., & Gil, M. (2013). The representations of homophones in the phonological lexicon: Additional evidence from Hebrew. *Procedia social and behavioral Sciences*, 94, 86-87.
- Gvion, A., Friedmann, N. (2013). Developmental and acquired surface dyslexia and anomia as a result of shared deficit in the phonological output buffer. *Procedia social and behavioral Sciences*, 94, 205-206.
- Lifshitz-Ben Basat, A., Gvion, A., Jean-Jacques, V., & Mashal, N. (2013). Transcranial direct current stimulation to improve naming abilities of persons with chronic aphasia: An individualized based protocol. *Procedia social and behavioral Sciences*, 94, 242.
- Gvion, A., & Friedmann, N. (2013). A selective deficit in imageable concepts: A window to the organization of the conceptual system. *Frontiers in Human Neuroscience*, 7, doi: 10.3389/fnhum.2013.00226.
- Friedmann, N., & Gvion, A. (2012). An even more universal model of reading: Various effects of orthography on dyslexias. *Behavioral and Brain Sciences*, 35(5), 23-24. doi:10.1017/S0140525X12000167
- Friedmann, N., & Gvion, A. (2012). Intervention and Locality in agrammatic aphasia. *In the internet celebration for Luigi Rizzi's 60th birthday* (pp. 1-13). Siena, Italy: CISCL Working Papers.
- Gvion, A., & Friedmann, N. (2012). Does phonological working memory limitations affect sentence comprehension? A study of conduction aphasia. *Aphasiology*, 26(3-4), 494-535. ( **Impact Factor:** 1.415).
- Gvion, A., & Friedmann, N. (2012). Phonological short term memory in conduction aphasia. *Aphasiology*, 26(3-4), 579-614. ( **Impact Factor:** 1.415).
- Friedmann, N., Biran, M., & Gvion, A. (2012). Patterns of visual dyslexia. *Journal of Neuropsychology*, 6, 1-30.( **Impact Factor:** 2.364).

- Friedmann, N., Tzailer-Gross, L., & Gvion, A. (2011) The effect of syntax on reading in neglect dyslexia. *Neuropsychologia*, 49(10), 2803-2816. ( **Impact Factor:** 3.949).
- Gvion, A., & Olenik, D. (2011). I have a stich...speech disorders: Aphasia, an acquired language impairment. *Journal of the Israeli Neurological Association*, 7, 32-34 (in Hebrew).
- Gvion, A., & Friedmann, N. (2010). Dyscravia: Voicing substitution dysgraphia. *Neuropsychologia*, 48, 1935-1947. ( **Impact Factor:** 3.949) .
- Gvion, A., & Friedmann, N. (2010). Letter position dysgraphia. *Cortex*, 46, 1100-1113.( **Impact Factor:** 7.21)
- Gvion, A., Friedmann, N., Zaksenberg, R.I., and Mor, R. (2010). Subtypes of developmental surface dysgraphia. *Procedia Social and Behavioral Sciences*, 6, 145-147.
- Friedmann, N., & Gvion, A. (2010). Dyslexia subtypes. In the Israeli Orton Dyslexia publication, D. Finkelstein (Ed.), *All you wanted to know about dyslexia*. (in Hebrew).
- Gvion, A., Friedmann, N., & Yachini, M. (2008). Writing and dysgraphia: On the writing process, writing impairments, and the relation between dysgraphia and dyslexia. In the Israeli Association of Physical and Rehabilitation Medicine (PMR) bulletin, *Shikumada*, 26, 32-35. (in Hebrew).
- Gvion, A., & Friedmann, N. (2008). FriGvi: Phonological working memory battery. *Language and Brain*, 7, 161-180. (In Hebrew).
- Gvion, A., & Friedmann, N. (2007). Is phonological working memory involved in sentence comprehension? The difference between phonological and semantic reactivation. In Y. Falk (Ed.), *Proceedings of the 19<sup>th</sup> IATL conference*. (pp. 1-54).
- Friedmann, N., & Gvion, A. (2007). As far as individuals with conduction aphasia understood these sentences were ungrammatical: Garden path in conduction aphasia. *Aphasiology*, 21, 570-586. ( **Impact Factor:** 1.415).
- Friedmann, N., Gvion, A., Biran, M., & Novogrodsky, R. (2006). Do people with agrammatic aphasia understand verb movement? *Aphasiology*, 20, 136-153. ( **Impact Factor:** 1.415).
- Friedmann, N., & Gvion, A. (2005). Letter form as a constraint for errors in neglect dyslexia and letter position dyslexia. *Behavioral Neurology*, 16, 145-158. ( **Impact Factor:** 1.304).
- Gvion, A., & Friedmann, N. (2004). Dyslexias: types, characteristics and treatment directions. In the Israeli Association of Physical and Rehabilitation Medicine (PMR) bulletin, *Shikumada*, 22, 3-6. (in Hebrew).
- Friedmann, N., & Gvion, A. (2003). Sentence comprehension and working memory limitation in aphasia: a dissociation between semantic and phonological encoding. *Brain and Language*, 86, 23-39.( **Impact Factor:** 3.162).
- Gvion, A. & Shterenberg, P. (2003). The normal and the impaired swallowing mechanism: Case studies. *Medical Nutrition in the 3<sup>rd</sup> age*. (in Hebrew).

- Gvion, A., Biran, M., & Friedmann, N. (2002). Does phonological working memory limitation cause comprehension deficits in agrammatic and conduction aphasia. *Brain and Language*, 83, 87-90. ( **Impact Factor:** 3.162)
- Friedmann, N., & Gvion, A. (2002). Modularity in developmental disorders: Evidence from SLI and peripheral dyslexias. *Behavioral and Brain Sciences*, 25(6), 756-757. ( **Impact Factor:** 21.952).
- Gvion, A. (Ed). Studies of Aphasia: Theoretical and clinical aspects. *Israeli Journal of Language, Speech and Hearing Disorders*, 24, 2002 (in Hebrew).
- Friedmann, N., & Gvion, A. (2001). Letter position dyslexia. *Cognitive Neuropsychology*, 18(8), 673-696. ( **Impact Factor:** 2.082)
- Gvion, A. (1998). Swallowing therapy - case studies. *Israeli Journal of Language, Speech and Hearing Disorders*, 20, 111-116. (in Hebrew).

### **TEST BATTERIES**

- Friedmann, N. & Gvion, A. *TILTAN: Battery for the diagnosis of dyslexias*. Tel Aviv University, 2003. (in Hebrew)
- Friedmann, N., & Gvion, A. (2002). *FriGvi: Friedmann Gvion battery for assessment of phonological Working Memory*. Tel Aviv University. (in Hebrew)

### **CONFERENCE PRESENTATIONS**

- Gvion, A., Biran, M., Sharabi, L., & Gil M. (2015, Nov). *Learning from naming treatment on the phonological representation of homophones*. To be presented in the 2016 ASHA convention, Colorado.
- Gvion, A., & Biran, M. (2015, October). *Language in elderly*. Presented in the 9<sup>th</sup> annual meeton of the research institute of the health and medical professions on the third age, Kiryat Ono Israel.
- Karpin, H., & Gvion, A. (2015, June). *Semantics, as the key for the association of conceptual apraxia and aphasia*. Presented at the 21<sup>st</sup> annual meeting of the Israeli Society of occupational therapist (ISOT), Jerusalem
- Lifshitz, A., Gvion, A., Vatine, J.J., & Mashal. M. ((2015, March). *Transcranial direct current stimulation to improve naming abilities of persons with chronic aphasia: preliminary study using individualized based protocol*. To be presented at the Collaboration of the Aphasia Trialists (CATs), Network conference, Future Directions for Aphasia Research, London
- Lifshitz, A., Gvion, A., Vatine, J.J., & Mashal. M. ((2015, February). *Transcranial Direct Current stimulation to improve naming abilities of Hebrew speakers with chronic Aphasia*. Presented in the 51th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A., Friedmann, N., & Nissim, R. (2015, February). Insights from LPD on morphological decomposition on reading. Presented in the 51th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Sharabi, L., Biran, M., Gvion, A., Gil, M. (2014, December). *The relationship between treatment outcome and the underlying deficit: Evidence from homophones naming treatment*. Presented at the 65th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Binyaney Ha'uma, Israel

- Gvion, A & Friedmann, N. &. (2014, December). *Between naming and reading: Acquired and developmental surface dyslexia in the phonological output: Clinical implications*. Presented at the 65th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Binyaney Ha'uma, Israel.
- Gvion, A., & Biran, M. (2014, December). *Aphasia treatment: from theory to clinical setting and vice versa*. Presented at the 65th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Binyaney Ha'uma, Israel .
- Lifshitz, A., Gvion, A., Vatin, J.J., & Mashal. M. ((2014, December). *Transcranial Direct Current stimulation to improve naming abilities of Hebrew speakers with chronic Aphasia – an individualized based protocol*. Presented at the 65th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Binyaney Ha'uma, Israel .
- Gvion, A., & Friedmann, N. (2014, August). *Write or rong?: Two subtypes of surface dysgraphia*. Presented at MURDR, ARC Centre of Excellence in Cognition and its Disorders, MacQuarie University, NSW, Australia.
- Friedmann, N., & Gvion, A. (2014, August). (Invited). *Between naming and reading: Acquired and developmental surface dyslexia in the phonological output*. To be presented at the CCD Annual Workshop, Macquarie University, NSW, Australia.
- Biran, M., Gvion, A., Sharabi, L., & Gil, M. (2014, July). *The relationship between treatment outcome and the underlying deficit: Evidence from homophones naming treatment*. International Neuropsychology Society 2014 Midterm Meeting, Neuropsychology: From Lab to Rehab, Jerusalem, Israel.
- Friedmann, N., & Gvion. A. (2014, July). *Anomia in the phonological output lexicon: another source for Surface dyslexia*. International Neuropsychology Society 2014 Midterm Meeting, Neuropsychology: From Lab to Rehab, Jerusalem, Israel.
- Gvion, A., & Friedmann, N. (201, July). *To bee or not to bea : Two subtypes of Surface dysgraphia*. International Neuropsychology Society 2014 Midterm Meeting, Neuropsychology: From Lab to Rehab, Jerusalem, Israel.
- Gvion, A., & Friedmann, N. (2014, February). *The role of phonological working memory in sentence comprehension: Evidence from developmental case studies*. Presented in the 50th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Faran, M., Gvion, A., & Friedmann, N. (2014, February). *The genetics of dyslexia and dysgraphia: evidence from familial phenotips*. Presented in the 50th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A. (2014, February). *Lexical retrieval deficit and surface dyslexia as a result of shared deficit in the phonological output lexicon: Implications on assessment and treatment*. Presented in the 50th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Biran, M., & Gvion, A. (2014, February). *Aphasia treatment: from theory to clinical setting and vice versa*. Presented in the 50th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Shalev, N., Ophir, E., Gvion, A., Gil, M., & Friedmann, N. (2014, February). *Dissociations between production processes of numbers and words*. To be

presented at the first Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Akko, Israel.

- Friedmann, N., & Gvion, A. (2014, February). *On the relation between word reading and naming: Surface dyslexia and anomia in the phonological output lexicon*. To be presented at the first Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Akko, Israel.
- Gvion, A., Biran, M., Sharabi, L., & Gil, M. (2013, October). *The representation of homophones in the phonological lexicon: Additional evidence from Hebrew*. To be present in the Academy of Aphasia, Lucerne, Switzerland.
- Lifshitz, A., Gvion, A., Vatine, J.J., & Mashal, M. (2013, October). *Transcranial Direct Current stimulation to improve naming abilities of Hebrew speakers with chronic Aphasia – an individualized based protocol*. To be present in the Academy of Aphasia, Lucerne, Switzerland
- Gvion, A., & Friedmann, N. (2013, October). *Developmental and acquired Surface dyslexia and Anomia as a result of a shared deficit in phonological output lexicon*. To be present in the Academy of Aphasia, Lucerne, Switzerland.
- Lifshitz, A., Gvion, A., Vatine, J.J., & Mashal, M. (2013, June). *The journey to the lost words: Using transcranial direct current stimulation (tDCS) to improve naming abilities among people with chronic aphasia due to stroke*. Presented in the Israeli Presidential Conference, Binyaney Ha'uma, Israel.
- Lifshitz, A., Gvion, A., Vatine, J.J., & Mashal, M. (2013, July). *Transcranial Direct Current stimulation to improve naming abilities of Hebrew speakers with chronic Aphasia – an individualized based protocol*. Presented in The Israel Association for Literacy and Language, Kiryat Ono, Israel
- Gvion, A., & Friedmann, N. (2013, July). *Is there interaction between lexical retrieval and oral reading? Evidence from acquired and developmental anomia and surface dyslexia*. Presented in The Israel Association for Literacy and Language, Kiryat Ono, Israel
- Gvion, A., & Biran, M. (2013, February). *From theory to the treatment of Anomia: Evidenced based practice (review)*. Presented in the 49th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A., & Friedmann, N. (2013, February). *Is there interaction between lexical retrieval and oral reading? Evidence from acquired and developmental anomia and surface dyslexia*. Presented in the 49th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A. (2012, September). *Dysgraphia: subtypes. Writing assessment: updates and innovations*. Presented in the Israeli Society of Occupational Therapy meeting, the Open university, Ra'anana, Israel.
- Gvion, A., & Friedmann, N. (2012, September). *The interaction between lexical retrieval and oral reading: Evidence from acquired and developmental anomia and surface dyslexia*. Presented in 13<sup>th</sup> Science of Aphasia Conference, Groningen, The Netherlands.
- Friedmann, N., & Gvion, A. (2012). *Between naming and reading: Phonological output lexicon impairment and surface dyslexia*. Presented at MURDR, CCD, MacQuarie University, NSW, Australia.

- Friedmann, N., & Gvion, A. (2012). *Morphological decomposition and letter position*. Presented at the LPD Day, McMahons Point, NSW, Australia.
- Shlomy, A., Medemon-Frug, L., Gvion, A., & Friedmann, N. (2012, July). Diacritics as a treatment for developmental surface dyslexia. Presented in The Israel Association for Literacy and Language, Kiryat Ono, Israel.
- Gvion, A., & Friedmann, N. (2012, September). The interaction between lexical retrieval and oral reading: Evidence from acquired and developmental anomia and surface dyslexia. To be presented in 13<sup>th</sup> Science of Aphasia Conference, Groningen, The Netherlands.
- Gvion, A., & Friedmann, N. (2012, February). *Subtypes of developmental Surface dysgraphia*. The Israeli Neuropsychological Society 2012 meeting, Bar Ilan University.
- Gvion, A., & Friedmann, N. (2012, February). *Dyscravia: Writing "duple" for "table"*. Presented at the Brain Plasticity Symposium, Inauguration of the Sagol School of Neuroscience, Tel Aviv University.
- Gvion, A., & Friedmann, N. (2012, February). *Nazelexia: Reading and writing Nyslexia instead of Dyslexia*. Presented at the 48<sup>th</sup> annual conference of the Israeli Speech Hearing and Language Association, David intercontinental, Israel.
- Gvion, A. (2012, January). *Consideration of inter-language differences in the adaptation of assessment tools*. Presented in the Communication Disorders in Multilingual and Multicultural Populations in Israel conference, Hadassa Academic College, Jerusalem.
- Gvion, A. (2011, December). *Different points of view on aphasia: Syndromes, psych-linguistic models and the social approach*. Presented at the 62<sup>th</sup> annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. David intercontinental, Israel.
- Gvion, A., & Friedmann, N. (2011, June). *The role of phonological working memory in sentence comprehension*. Presented at Aphasia: between science and clinical practice., Department of Communication Disorders & Sciences, Haifa University.
- Faran, M., & Gvion, A. (2011, February). *Flaccid dysarthria, as is manifested in Guillain-Barre: two case studies*. Presented at the 47<sup>th</sup> annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A., & Friedmann, N. (2011, February). *Types of semantic knowledge and their effect on lexical retrieval in aphasia*. Presented at the 47<sup>th</sup> annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Friedmann, N., & Gvion, A. (2010, October). *Phonological working memory and sentence comprehension in SLI and children with WM limitations*. Presented at the Bilingual SLI meeting, COST IS0804, Larnaca, Cyprus.
- Gvion, A., Friedmann, N., Zaxenberg, I., & Mor, R. (2010, October). Subtypes of developmental surface dysgraphia. Presented at the Academy of Aphasia 2010 meeting, Athens, Greece.
- Friedmann, N., Shvimer, L., Kerbel, N., Rahamim, E., & Gvion A. (2010, July). *Treatment directions for developmental letter position dyslexia and attentional*

- dyslexia*. Presented at the Seventeenth Annual Meeting of the Society for the Scientific Study of Reading (SSSR), Berlin, Germany.
- Gvion, A., & Friedmann, N. (2010, February). *Can diacritics serve as treatment in various types of dyslexia?* Presented at the 46th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Friedmann, N., Rahamim, E., & Gvion, A. (2010, February). *Directions for treatment of Letter Position Dyslexia*. Presented at the 46th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Borer-Alafi, N., Leibowitz, M., & Gvion, A. (2010, February). *Can naso-gastric tube be an obstacle for it's withdrawal: A case study*. Presented at the 46th annual conference of the Israeli Speech Hearing and Language Association, Tel Aviv.
- Gvion, A., & Friedmann, N. (2009, November). *Input and output conduction aphasia: differential diagnosis*. Presented at the 60th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Airport City, Israel.
- Faran, M., Gvion, A., & Friedmann, N. (2009, November). *Morphological errors in the reading of an agrammatic aphasic with deep dyslexia: Who is to blame?* Presented at the 60th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine: Basic science and clinical applications. Airport City, Israel.
- Gvion, A., & Friedmann, N. (2009, October). *The role of phonological working memory in sentence comprehension: The interaction between type of processing and output and input buffer deficits?* To be presented in the 47th Annual Meeting of the Academy of Aphasia, Boston, MA.
- Gvion, A., & Friedmann, N. (2009, September). *Dyscravia: Writing dyscravia instead of dysgraphia*. Presented at the 24<sup>th</sup> annual conference of the Israel Association for Literacy and Language, Newe Ilan.
- Gvion, A. (2009, July). *The relation between pWM and sentence comprehension: Evidence from aphasia*. Presented at the 3<sup>rd</sup> annual conference of the research institute for the health and medical professions, Ono Academic College.
- Gvion, A., & Friedmann, N. (2009, February). *Input and output conduction aphasia*. Presented at the 45<sup>th</sup> annual conference of the Israeli Speech Hearing and Language Association, Ramat Gan.
- Gvion, A., & Friedmann, N. (2009, February). *Dyscravia: Writing goal instead of coal*. Presented at the 45<sup>th</sup> annual conference of the Israeli Speech Hearing and Language Association, Ramat Gan.
- Gvion, A., & Friedmann, N. (2009, January). *Dyscravia: Voicing substitution dysgraphia*. Presented at the Language, Brain, Communication Conference, Bar Ilan University and Hadassah College.
- Gvion, A., & Friedmann, N. (2009, January). *Does phonological working memory limitation affect sentence comprehension? A study of conduction aphasia*. To be presented at the Language, Brain, Communication Conference, Bar Ilan University and Hadassah College.

- Gvion, A., & Friedmann, N. (2008, September). *Dyscravia: Voicing substitution dysgraphia*. Presented at the Science of Aphasia 9, Methodological controversies, Chalkidiki, Greece.
- Gvion, A., & Friedmann, N. (2008, June). *Dyscravia: Voicing substitution dysgraphia*. Presented at the Language and Neurons - Theoretical Approaches conference, Bar-Ilan University.
- Alafi-borer, N., Gvion, A., & Arad, A. (2008, June). Swallowing assessment in ventilated patient: the comparison between two types of swallowing evaluations. Presented at the international conference on chronic ventilated patients, multi-disciplinary management from ICU to home, Israel.
- Gvion, A., & Karpin, H. (2007, November). The semantic component as a clue for understanding conceptual apraxic deficits and lexical semantic deficits. Presented at the 58th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine, Airport city, Israel.
- Friedmann, N., & Gvion, A. (2007, September). *Conduction aphasia and sentence comprehension: phonological working memory up the garden path*. To be presented at Science of Aphasia VIII, The Neurocognition of Language, Levels of description, Italy.
- Friedmann, N., & Gvion, A. (2007, June). *How is working memory related to sentence comprehension: Relative clauses and garden paths*. Presented at the 23rd annual meeting of the Israel Association for Theoretical Linguistics. Tel Aviv University.
- Gvion, A., & Friedmann, N. (2007, February). *Working memory and writing: Letter position dysgraphia*. Presented at 43<sup>rd</sup> annual conference of the Israeli Speech Hearing and Language Association, Jerusalem, Israel.
- Friedmann, N., & Gvion, A. (2007, February). *Is there a relation between working memory and comprehension in aphasia?* presented at 43<sup>rd</sup> annual conference of the Israeli Speech Hearing and Language Association, Jerusalem, Israel.
- Gvion, A., & Friedmann, N. (2006, November). *Letter position dysgraphia*. Presented at the 57th annual meeting of the Israeli Association of Physical and Rehabilitation Medicine, Airport city, Israel.
- Gvion, A., & Friedmann, N. (2006, September). *Letter position dysgraphia*. Presented at the 7th Sciences of Aphasia meeting, Sardegna, Italy.
- Friedmann, N., Gvion, A., & Tzailer, L. (2006, September). *The effect of syntax on reading in neglect dyslexia*. Presented at the 7th Sciences of Aphasia meeting, Sardegna, Italy.
- Gvion, A., & Friedmann, N. (2006, September). *Letter position dysgraphia*. Presented at the 7th Sciences of Aphasia meeting, Sardegna, Italy.
- Friedmann, N., & Gvion, A. (2006, June). *Is there a relation between working memory limitation and sentence comprehension? A study of conduction aphasia*. Presented at the 36<sup>th</sup> Clinical Aphasiology Conference, Ghent, Belgium.
- Friedmann, N., Gvion, A., Biran, M., Nachman-Katz, I., & Rahamim, E. (2005, December). *Dyslexia: one deficit?*. Presented at the annual conference of the

- Israeli Association of Physical and Rehabilitation Medicine: Rehabilitation 2005: Challenges and Innovations, Tel Aviv, Israel.
- Gvion, A. (2005, December). *Multidisciplinary approach in dysphagia assessment and treatment*. Presented at the annual conference of the Israeli Association of Physical and Rehabilitation Medicine: Rehabilitation 2005: Challenges and Innovations, Tel Aviv, Israel.
- Friedmann, N., Novogrodsky, N., & Gvion, A. (2005, September). *Syntactic movement in agrammatism and S-SLI: Two different impairments*. Presented at the GALA 2005 meeting— Generative approaches to language acquisition, Siena, Italy.
- Friedmann, N., Gvion A., Biran, M., & Novogrodsky, R. (2005, August). *Do agrammatic aphasics understand verb movement?* Presented at the 6th Sciences of Aphasia meeting, Helsinki, Finland.
- Biran, M., Gvion, A., & Friedmann, N. (2005, February). *Patterns of visual dyslexia*. Presented at the 41<sup>st</sup> annual conference of the Israeli Speech Hearing and Language Association, the Dead Sea, Israel.
- Gvion, A., & Friedmann, N. (2004, November). *Sentence comprehension and limited working memory: Do we need short term memory to understand sentences?* Presented at the Advances in Interdisciplinary Medical Rehabilitation conference.
- Gvion, A., & Friedmann, N. (2004, September). *Sentence comprehension and working memory Limitation in Conduction aphasia: Interaction between type of processing and output and input deficits*. Presented at the 5th Sciences of Aphasia meeting, Potsdam, Germany.
- Friedmann, N., & Gvion, A. (2004, March). *Working memory and sentence comprehension in Broca's and Conduction aphasia*. Presented at the annual meeting of the National Institute for Psychobiology in Israel, Jerusalem, Israel.
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- Gvion, A., & Friedmann, N. (2001, July). *Surface dyslexia in a deep-orthography language*. Presented at The Israeli Association for literacy 16<sup>th</sup> SCRIPT conference, Shfayim, Israel.
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**PAPERS UNDER REVIEW**

- Lifshitz Ben Basat, A., **Gvion, A.**, Vatine, J., & Mashal, N. Transcranial direct current stimulation to improve naming abilities of persons with chronic aphasia: A preliminary study using individualized based protocol (under review)
- Putter-Katz, H., Feldman, I., Wexler-Kashi, D., Shlomzon, O., **Gvion, A.**, Adi-Bensaid, L., & Ziv, A. Insights from structured integration of simulation-based training in communication disorders

**RESEARCH COLLABORATIONS:**

- Ben-Shalom, D., korobchinsky, E. Ben-Gurion University. Morphology and conduction aphasia.
- Mashal N, Lifshitz A., Bar-Ilan University; Vatin, J.J. , Reuth Medical Center. Transcranial direct current stimulation (tDCs) and language treatment to improve naming in patients with chronic aphasia.
- Friedmann, N., Tel Aviv University on the research on aphasia, dyslexia and dysgraphia
- Biran, M., Haifa University, on lexical retrieval deficits treatments .
- Ben Said, L., Tubol, G., Ono Academic College. Phonological analysis of the speech of conduction aphasic individuals.

**שותפות/מעורבות בהנחית עבודות גמר לתארים מתקדמים:**

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2007-2013 רובין איריס - תתי סוגים של דיסגרפיה שטח ואסוציאציה לדיסלקסיות שטח (בשיתוף פרופ' נעמה פרידמן, אוניברסיטת תל אביב)

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2015 רעות שטרק – בנושא עיבוד מורפולוגי – בתהליך הגשת הצעה (בשיתוף עם פרופ' נעמה פרידמן, אוניברסיטת ת"א)

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2011-2015 ליפשיץ עדי – השפעת גריה חשמלית שטחית וטיפול שפתי קוגניטיבי על יכולות שיום  
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