

List of Publications:

Articles in Refereed Journals

- Joel, D., **Ayalon, L.**, Tarrasch, R., Veenman L, Feldon, J., & Weiner, I. (1998). Electrolytic lesion of globus pallidus ameliorates the behavioral and neurodegenerative effects of quinolinic acid lesion of the striatum: a potential novel treatment in a rat model of Huntington's disease. *Brain Research*, 787, 143-148. (IF 2.55#)
- **Ayalon, L.**, Hermesh, H., & Dagan, Y. (2002). Case study of circadian rhythm sleep disorder following haloperidol treatment: reversal by risperidone and melatonin. *Chronobiology International*, 19, 947-959. (IF 3.98)
- Joel, D., **Ayalon, L.**, Tarrasch, R., & Weiner, I. (2003). Deficits induced by quinolinic acid lesion to the striatum in a position discrimination and reversal task are ameliorated by permanent and temporary lesion to the globus pallidus: A potential novel treatment in a rat model of Huntington's disease. *Movement Disorders*, 18, 1499-1507. (IF 4.01)
- **Ayalon, L.**, Doron, R., Weiner, I., & Joel, D. (2004). Amelioration of behavioral deficits in a rat model of Huntington's disease by an excitotoxic lesion to the globus pallidus. *Experimental Neurology*, 186, 46-58. (IF 4.14#)
- Dagan, Y., & **Ayalon, L.** (2005). Psychiatric misdiagnosis of non-24-hours sleep-wake schedule disorder resolved by melatonin. *Journal of the American Academy of Child and Adolescent Psychiatry*, 44(12), 1271-75. (IF 4.98)
- Borodkin, K., **Ayalon, L.**, Kanety, H., & Dagan, Y. (2005). Dysregulation of circadian rhythms following prolactin-secreting pituitary microadenoma. *Chronobiology International*, 22, 145-156. (IF 3.98)
- Drummond, S. P. A., Bischoff-Grethe, A., Dinges, D. F., **Ayalon, L.**, Mednick, S.C., & Meloy, M. J. (2005). The neural basis of the psychomotor vigilance task. *Sleep*, 28, 1059-1068. (IF 5.4)
- **Ayalon, L.**, Ancoli-Israel, S., Stepnowsky, C., Palmer, B. W., Liu, L., Loreda, J. S., Corey-Bloom, J., Greenfield, D., & Cooke, J. R. (2006). Treatment adherence in patients with Alzheimer's disease and obstructive sleep apnea. *American Journal of Geriatric Psychiatry*, 14(2), 176-80. (IF 3.35)
- Chong, M. S., **Ayalon, L.**, Marler, M., Loreda, J. S., Corey-Bloom, J., Palmer, B. W., Liu, L., & Ancoli-Israel, S. (2006). Continuous positive airway pressure improves subjective daytime sleepiness in mild-moderate Alzheimer's disease patients with sleep disordered breathing. *Journal of American Geriatric Society*, 54, 777-781. (IF 3.66)

- **Ayalon, L.**, Ancoli-Israel, S., Klemfuss, Z., Shalauta, M. D., & Drummond, S.P.A. (2006). Increased brain activation during verbal learning in obstructive sleep apnea. *NeuroImage*, 31(4), 1817-25. (IF 7.17#)
- Dimsdale J. E., Ancoli-Israel S., **Ayalon L.**, Elsmore T., & Gruen W. (2007). Taking Fatigue Seriously II: Observations in Patients with Malignancy. *Psychosomatics*, 48(3), 247-52. (IF 1.71)
- **Ayalon, L.**, Borodkin, K., Dishon, L., Kaneti, H., & Dagan, Y. (2007). Circadian rhythm sleep disorders following mild traumatic brain injury. *Neurology*, 68, 1136-1140. (IF 8.17#)
- **Ayalon, L.**, Ancoli-Israel, S., & Drummond, S.P.A. (2009). Altered brain activation during response inhibition in obstructive sleep apnea. *Journal of Sleep Research*, 18(2), 204-8. (IF 3.5)
- Ancoli-Israel, S. Palmer, B. P., Cooke, J. R. Corey-Bloom, J., Fiorentino, L., Natarajan, L., Liu, L., **Ayalon, L.**, He, F., & Loreda, J. (2008). Cognitive effects of treating obstructive sleep apnea in Alzheimer's disease: A randomized controlled study. *Journal of American Geriatrics Society*, 56(11), 2076-81. (IF 3.66)
- Cooke, J. R., **Ayalon, L.**, Palmer, B. W., Loreda, J. S., Corey-Bloom, J., Natarajan, L., Liu, L., & Ancoli-Israel, S. (2009). Sustained use of CPAP slows deterioration of cognition, sleep, and mood in patients with Alzheimer's disease and obstructive sleep apnea: A preliminary study. *Journal of Clinical Sleep Medicine*, 5(4), 305-9.
- **Ayalon, L.**, Ancoli-Israel, S., Aka, A. A., McKenna, B. S., & Drummond, S.P.A. (2009). Relationship between obstructive sleep apnea severity and brain activation during a short-term attention task. *Sleep*, 32(3), 373-381. (IF 5.4)
- Brumm, K. P., Perthen, J. E., Liu, T. T., Haist, F., **Ayalon, L.**, & Love, T. (2010). An arterial spin labeling investigation of cerebral blood flow deficits in chronic stroke survivors. *NeuroImage*, 51(3), 995-1005. (IF 7.2)
- **Ayalon, L.**, Ancoli-Israel, S., & Drummond, S. P. (2010). Obstructive sleep apnea and age: A double insult to brain function? *American Journal of Respiratory and Critical Care Medicine*, 182(3), 413-9. (IF 10.7)

Book Chapters

- **Ayalon, L.**, Liu, L. Q., & Ancoli-Israel, S. (2004). Diagnosing and treating sleep disorders in the older adult. *Medical Clinics of North America*, 88, 737-750.

- **Ayalon, L.**, & Ancoli-Israel, S. (2005). Sleep in normal aging. In: *Sleep: A Comprehensive Handbook*, Lee-Chiong T. L. (Ed.) John Wiley & Sons. 599-604.
- Dagan, Y., Borodkin, K., **Ayalon, L.** (2005) Advanced, Delayed, Irregular and Non-Entrained Sleep Wake Disorders. In: *Sleep: A Comprehensive Handbook* Lee-Chiong T.L. (Ed.) John Wiley & Sons. 383-388.
- **Ayalon, L.**, Dagan, Y., (2006) Circadian rhythm sleep disorders, in: *Sleep disorders: A clinical Textbook*, Ambrogetti, A. Hensley, M. J., Olson, L.G. (Eds), Quay Books MA Healthcare Limited. 425- 449.
- Dagan, Y., Borodkin, K., **Ayalon, L.** (2009) Circadian Rhythms Sleep Disorders. In Lee-Chiong, T.L. (ed.) *Sleep Medicine Essentials*. Hoboken, New Jersey: Wiley-Blackwell. 115-120.
- **Ayalon L.**, & Ancoli-Israel, S. (2009). Normal Sleep in Aging. In Lee-Chiong, T.L. (ed.) *Sleep Medicine Essentials*. Hoboken, New Jersey: Wiley-Blackwell. 173-176.
- **Ayalon, L.**, & Drummond, S.P.A. (2011). Neuroimaging Studies in Obstructive Sleep Apnea, in: *Sleep Apnea: Pathogenesis, Diagnosis, and Treatment*. Pack, A.I. (Ed) Marcel Dekker Inc.
- **Ayalon, L.**, & Ancoli-Israel, S. (2012) Normal Sleep in Aging. In: Lee-Chiong, T. L. (ed.) *Wiley Guide to Sleep Medicine*. Hoboken, New Jersey: Wiley-Liss. Book chapter.

Reviews in Peer-reviewed Journals

- Ancoli-Israel, S., & **Ayalon, L.** (2006). Diagnosis and treatment of sleep disorders in older adults. *The American Journal of Geriatric Psychiatry*, 14(2), 95-103. (IF 3.35)
- **Ayalon, L.**, & Peterson, S. (2007) .Functional central nervous system imaging in the investigation of obstructive sleep apnea. *Current Opinion in Pulmonary Medicine*, 13(6), 479-83. (IF 2.69)
- Ancoli-Israel, S., **Ayalon, L.**, & Salzman, C. (2008). Sleep in the elderly: Normal variations and common sleep disorders. *Harvard Review of Psychiatry*, 16, 279-286. (IF 2.04)
- Orff, H. J., **Ayalon, L.**, & Drummond, S. P. A. (2009). Traumatic Brain Injury (TBI) and sleep disturbance: A review of current research. *Journal of Head Trauma Rehabilitation*, 24(3), 155-65. (IF 2.39)

Abstracts

- **Ayalon, L.**, Joel, D., Tarrasch, R., Feldon, J., & Weiner, I. (1997). Electrolytic lesion of globus pallidus ameliorates the behavioral and neurodegenerative effects of quinolinic acid lesion of the striatum: a potential novel treatment in a rat model of Huntington's disease, *Neuroscience Letters*, Sup 48, S5. [Publication D1]
- **Ayalon, L.**, Dishon L, & Dagan, Y. (2001). Circadian rhythm sleep disorders following minor head trauma, *Chronobiology International*, 18(6), 1065-1066. [publication D12]
- **Ayalon, L.**, Cohen, D., El-Dror, U., & Dagan, Y. (2003). Diagonal weight shifts during upright stance are related to sleep apnea and show diurnal variations. *Sleep*, 26, Supp., A429.
- **Ayalon, L.**, & Dagan, Y. (2003). Psychiatric misdiagnosis of a boy with non 24-h sleep wake schedule disorders resolved by melatonin treatment. 14th Annual Meeting of the Society for Light Treatment and Biological Rhythms, *Chronobiology International*, 20(6). [Publication D5]
- Szeinberg, A., **Ayalon, L.**, & Dagan, Y. (2003). Melatonin improves sleep-wake schedule, social and behavioral manifestations in young healthy children with delayed sleep phase syndrome (DSPS). *Sleep*, 26, A150.
- Dagan, Y., Green, A., Szeinberg, A., Keston, D., Winner, A., & **Ayalon, L.** (2003). Is BMI a good predictor for sleepiness in applicants for commercial vehicle license? *Sleep*, 26, A441.
- **Ayalon, L.**, Cohen, L., Ivry, Y., & Dagan, Y. (2004). Cognitive deficits in obstructive sleep apnea patients are correlated with nocturnal hypoxemia rather than with sleep fragmentation. *Sleep*, 27, A194.
- **Ayalon, L.**, Drummond, S. P. A., Harrison, B. T., & Ancoli-Israel, S. (2004). Cerebral activation during a spatial working memory task in sleep apnea patients. The Ninth International Sleep and Breathing Symposium.
- Greenfield, D., **Ayalon, L.**, Loreda, J., Fiorentino, L., & Ancoli-Israel, S. (2004). Continuing use of CPAP in Alzheimer's patients: Relation to depression. *Sleep*, 27, 189-190.
- Ancoli-Israel, S., **Ayalon, L.**, Greenfield, D., Gehrman, P., & Loreda, J. (2004). Sham-CPAP use prior to CPAP treatment is associated with better compliance in Alzheimer's

disease. *Sleep*, 27, 186.

- **Ayalon, L.**, Palmer, B., Greenfield, D., Liu, L., Cohen-Zion, M., Corey-Bloom, J., Laredo, J., & Ancoli-Israel, S. (2004). Cognitive functioning in patients with dementia and sleep disordered breathing is related to nocturnal oxyhemoglobin saturation prior to sleep. *Sleep*, 27, 180-181.
- **Ayalon, L.**, Ancoli-Israel, S., Harrison, B. T., Shalauta, M. D., & Drummond, S. P. A. (2005). Increased cerebral activation during a spatial working memory task in sleep apnea patients. *Proceedings of the American Thoracic Society*, 2, A761.
- **Ayalon, L.**, Ancoli-Israel, S., Harrison, T. B., Shalauta, M. D., & Drummond, S. P. A. (2005). Altered cerebral activation during a verbal learning task in sleep apnea patients. *Sleep*, 28, A174. [Publication D10].
- **Ayalon, L.**, Ancoli-Israel, S., Harrison, T. B., Shalauta, M. D., & Drummond, S. P. A. (2005). Altered cerebral activation during a verbal learning task in sleep apnea patients is associated with nocturnal oxygen desaturation. *Sleep*, 28, A175. [associated with publication D10]
- **Ayalon, L.**, Ancoli-Israel, S., Klemfuss, Z., & Drummond, S. P. A. (2006). Brain function in obstructive sleep apnea: An association with age. *Sleep*, 29, A169. [publication D18]
- Rissling, M., **Ayalon, L.**, Fiorentino, L., Dimsdale, J., Liu, L., & Ancoli-Israel, S. (2006). Relationship of menopausal status to sleep in women undergoing chemotherapy. *Sleep*, 29, A308.
- Jung, K., **Ayalon, L.**, Lored, J. S., Corey-Bloom, J., Palmer, B. S., Liu, L., & Ancoli-Israel, S. (2006). Influence of treating Alzheimer's patients' sleep disordered breathing on the quality of caregivers' sleep. *Sleep*, 29, A184.
- **Ayalon, L.** (2006). Brain activation in obstructive sleep apnea patients. *Sleep Medicine*, 7(Supp 2), 37.
- Drummond, S. P. A., **Ayalon, L.**, Aloia, M. S. (2006). Individual differences predict compensatory recruitment with sleep deprivation. *Journal of Sleep Research*, 15, 57.
- **Ayalon, L.**, Ancoli-Israel, S., McKenna, B. S., & Drummond, S. P. A. (2007). Altered cerebral activation during a response inhibition task in sleep apnea patients. *Sleep*, 30, A162. [publication D13]



Emili Sagol
Creative Arts Therapies
Research Center

פקולטה למדעי הרווחה והבריאות
Faculty of Social Welfare & Health Sciences



בית הספר לטיפול באמצעות אמנויות
Graduate School of Creative Arts Therapies


אוניברסיטת חיפה
University of Haifa

-
- Patel, M. R., Drummond, S. P. A., Ancoli-Israel, S., McKenna, B. S., & **Ayalon, L.** (2007). Association between apnea-hypopnea index and brain activation in obstructive sleep apnea during a short-term attention task. *Sleep*, 30, A18.