



AGING RESEARCH CENTER (ARC)  
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# ARC publications

First half of 2017



**PUBLICATIONS NOVEMBER 2016 – JANUARY 2017**

**Original articles - published**

1. Bellander M, Eschen A, Lövdén M, Bäckman L, Brehmer Y. No evidence for improved associative memory performance following process-based associative memory training in older adults. *FRONT AGING NEUROSCI.* 2017;8:326.
2. Cermakova P, Szummer K, Johnell K, Fastbom J, Eriksson M, Winblad B, et al. Management of acute myocardial infarction in patients with dementia: data from SveDem, the Swedish Dementia Registry. *Journal of the American Medical Directors Association.* 2017;18(1):19-23.
3. Mortensen LH, Rehnberg J, Dahl E, Diderichsen F, Elstad JI, Martikainen P, et al. Shape of the association between income and mortality: a cohort study of Denmark, Finland, Norway and Sweden in 1995 and 2003. *BMJ Open.* 2016;6(12):e010974.
4. Rehnberg J, Fritzell J. The shape of the association between income and mortality in old age: a longitudinal Swedish national register study. *Soc Sci Med.* 2016;2:750-6.
5. Rochigneux P, Raoul JL, Beaussant Y, Aubry R, Goldwasser F, Tournigand C, et al. Use of chemotherapy near the end of life: what factors matter? *Ann Oncol.* 2016.
6. Zhu X, Qiu C, Zeng Y, Li J. Leisure activities, education, and cognitive impairment in Chinese older adults: a population-based longitudinal study. *International psychogeriatrics / IPA.* 2017:1-13.
7. Ziaei M, Salami A, Persson J. Age-related alterations in functional connectivity patterns during working memory encoding of emotional items. *Neuropsychologia.* 2017;94:1-12.

**Original articles – in press**

8. Loh E, Kurth-Nelson Z, Berron D, Dayan P, Duzel E, Dolan R, et al. Parsing the role of the Hippocampus in approach-avoidance conflict. *Cereb Cortex.* 2016.
9. Welmer AK, Rizzuto D, Calderón-Larrañaga A, Johnell K. Sex differences in the association between pain and injurious falls in older adults: a population-based longitudinal study. *American journal of epidemiology.* 2017.

**Book chapter**

10. Mangialasche, F., Ngandu, T., Kivipelto, M. Cognitive impairment – Risk Factors and Prevention. In: Jean-Pierre Michel, B. Lynn Beattie, Finbarr C. Martin, and Jeremy Walston, editors. *Textbook of Geriatric Medicine, 3rd Ed, Oxford: Oxford University Press.* 2017

## PUBLICATIONS JANUARY – MAY 2017

### Original articles – published

1. Becker N, Kalpouzos G, Persson J, Laukka EJ, Brehmer Y. Differential effects of encoding instructions on brain activity patterns of item and associative memory. *J Cogn Neurosci*. 2016;29(3):545-59.
2. Cohen J, Beernaert K, Van den Block L, Morin L, Hunt K, Miccinesi G, et al. Differences in place of death between lung cancer and COPD patients: a 14-country study using death certificate data. *NPJ Prim Care Respir Med*. 2017;27(1):14.
3. Dahlberg L, McKee KJ. Living on the edge: social exclusion and the receipt of informal care in older people. *J Aging Res*. 2016;2016(Article ID 6373101):10 pages.
4. Garcia-Ptacek S, Kåreholt I, Cermakova P, Rizzuto D, Religa D, Eriksdotter M. Causes of death from death certificates in patients with dementia: a cohort from the Swedish Dementia Registry. *Journal of the American Geriatrics Society*. 2016;64(11):137-42.
5. Garzón B, Sitnikov R, Bäckman L, Kalpouzos G. Can transverse relaxation rates in deep gray matter be approximated from functional and T2-weighted FLAIR scans for relative brain iron quantification? *Magn Reson Imaging*. 2017;40:75-82.
6. Giddaluru S, Espeseth T, Salami A, Westlye LT, Lundquist A, Christoforou A, et al. Genetics of structural connectivity and information processing in the brain. *Brain structure & function*. 2016;221(9):4643-61.
7. Heiland E, Welmer AK, Wang R, Santoni G, Angleman S, Fratiglioni L, et al. Association of mobility limitations with incident disability among older adults: a population-based study. *Age and ageing*. 2016;45(6):812-9.
8. Håkansson K, Ledreux A, Daffner K, Terjestam Y, Bergman P, Carlsson RM, et al. BDNF responses in healthy older persons to 35 minutes of physical exercise, cognitive training and mindfulness: associations with working memory function. *J Alzheimers Dis*. 2017;55(2):645-57.
9. Kalpouzos G, Rizzuto D, Keller L, Fastbom J, Santoni G, Angleman S, et al. Telomerase gene (hTERT) and survival: results from two Swedish cohorts of older adults. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2016;71(2):188-95.
10. Kelfve S, Fors S, Lennartsson C. Getting better all the time? Selective attrition and compositional changes in longitudinal and life-course studies. *Longit Life Course Stud*. 2017;8(1).
11. Kempf E, Tournigand C, Rochigneux P, Aubry R, Morin L. Discrepancies in the use of chemotherapy and artificial nutrition near the end of life for hospitalised patients with metastatic gastric or oesophageal cancer. A countrywide, register-based study. *Eur J Cancer*. 2017;79:31-40.
12. Khan W, Giampietro V, Banaschewski T, Barker GJ, Bokde AL, Buchel C, et al. A multi-cohort study of ApoE varepsilon4 and amyloid-beta effects on the hippocampus in Alzheimer's disease. *Journal of Alzheimer's disease : JAD*. 2017;56(3):1159-74.
13. Laudisio A, Lo Monaco MR, Silveri MC, Bentivoglio AR, Vetrano DL, Pisciotta MS, et al. Use of ACE-inhibitors and falls in patients with Parkinson's disease. *Gait Posture*. 2017;54:39-44.

14. Liang Y, Welmer AK, Wang R, Song A, Fratiglioni L, Qiu C. Trends in incidence of disability in activities of daily living among Chinese older adults, 1993-2006. *Journal of the American Geriatrics Society*. 2017;65(2):306-12.
15. Liperoti R, Vetrano DL, Bernabei R, Onder G. Herbal medications in cardiovascular medicine. *J Am Coll Cardiol*. 2017;69(9):1188-99.
16. Moren C, Welmer AK, Carlsson E, Hagströmer MS, D. K. The effects of physical activity on prescription in persons with transient ischemic attack: a randomized controlled study. *J Neurol Phys Ther*. 2016;40(3):176-83.
17. Månsson KNT, Salami A, Carlbring P, Boraxbekk CJ, Andersson G, Furmark T. Structural but not functional neuroplasticity one year after effective cognitive behavior therapy for social anxiety disorders. *Behavioural brain research*. 2017;318:45-51.
18. Månsson KNT, Salami A, Frick A, Carlbring P, Andersson G, Furmark T, et al. Neuroplasticity in response to cognitive behavior therapy for social anxiety disorder. *Transl Psychiatry*. 2016;6:e727.
19. Papenberg G, Becker N, Ferencz B, Naveh-Benjamin M, Laukka EJ, Bäckman L, et al. Dopamine receptor genes modulate associative memory in old age. *J Cogn Neurosci*. 2017;29(2):245-53.
20. Papenberg G, Bäckman L, Fratiglioni L, Laukka EJ, Fastbom J, Johnell K. Anticholinergic drug use is associated with episodic memory decline in older adults without dementia. *Neurobiology of aging*. 2017;55:27-32.
21. Shing YL, Brehmer Y, Heekeren HR, Bäckman L, Lindenberger U. Neural activation patterns of successful episodic encoding: Reorganization during childhood, maintenance in old age. *Dev Cogn Neurosci*. 2016;20:59-69.
22. Sjölund S, Larsson M, Olofsson JK, Seubert J, Laukka EJ. Phantom smells: prevalence and correlates in a population-based sample of older adults. *Chem Senses*. 2017;42(4):309-18.
23. Sundberg L, Agahi N, Fritzell J, Fors S. Trends in health expectancies among the oldest old in Sweden, 1992-2011. *European journal of public health*. 2016;26(6):1069-74.
24. Szymkowicz SM, Persson J, Lin T, Fischer H, Ebner N. Hippocampal brain volume is associated with faster facial emotion identification in older adults: preliminary results. *Front Aging Neurosci*. 2016;8:203.
25. Wenger E, Lövdén M. The learning hippocampus: Education and experience-dependent plasticity. *Mind Brain Educ*. 2016;10(3):171-83.

#### Original articles – in press

26. Ferreira D, Hansson O, Barroso J, Molina Y, Machado A, Hernandez-Cabrera JA, et al. The interactive effect of demographic and clinical factors on hippocampal volume: A multicohort study on 1958 cognitively normal individuals. *Hippocampus*. 2017 [Epub ahead of print]
27. Grande G, Tramacere I, Vetrano DL, Clerici F, Pomati S, Mariani C, et al. Role of anticholinergic burden in primary care patients with first cognitive complaints. *European journal of neurology : the official journal of the European Federation of Neurological Societies*. 2017 [in press]
28. Haaksma ML, Leoutsakos JS, Bremer JA, Aalten P, Ramakers IH, Verhey FR, et al. The clinical course and interrelations of dementia related symptoms. *International psychogeriatrics / IPA*. 2017 [Epub ahead of print]
29. Kalpouzos G, Garzon B, Sitnikov R, Heiland C, Salami A, Persson J, et al. Higher striatal iron concentration is linked to frontostriatal underactivation and poorer memory in normal aging. *Cereb Cortex*. 2017 [Epub ahead of print]

30. Kelfve S. Underestimated health inequalities among older people - a consequence of excluding the most disabled and disadvantaged. *The journals of gerontology Series B, Psychological sciences and social sciences*. 2017 [Epub ahead of print]
31. Lagergren M, Johnell K, Schön P, Danielsson M. Towards a postponement of activities of daily living dependence and mobility limitations: trends in healthy life years in old age in Sweden. *Scand J Public Health*. 2017 [Epub ahead of print]
32. Morin L, Vetrano DL, Grande G, Fratiglioni L, Fastbom J, Johnell K. Use of medications of questionable benefit during the last year of life of older adults with dementia. *Journal of the American Medical Directors Association*. 2017 [Epub ahead of print]
33. Morin L, Vetrano DL, Rizzuto D, Calderon-Larranaga A, Fastbom J, Johnell K. Choosing Wisely? Measuring the Burden of Medications in Older Adults near the End of Life: Nationwide, Longitudinal Cohort Study. *Am J Med*. 2017 [Epub ahead of print]
34. Nilsson J, Lebedev AV, Rydström A, Lövdén M. Direct-current stimulation does little to improve the outcome of working-memory training in older adults. *Psychol Sci*. 2017.
35. Pan KY, Xu W, Mangialasche F, Fratiglioni L, Wang HX. Work-related psychosocial stress and the risk of type 2 diabetes in later life. *Journal of internal medicine*. 2017 [Epub ahead of print]
36. Persson N, Persson J, Lavebratt C, Fischer H. Effects of DARPP-32 genetic variation on prefrontal cortex volume and episodic memory performance. *Front Neurosci*. 2017 [E-pub ahead of print]
37. Rizzuto D, Melis RJ, Angleman S, Qiu C, Marengoni A. Effect of chronic diseases and multimorbidity on survival and functioning in elderly adults. *Journal of the American Geriatrics Society*. 2017 [Epub ahead of print]
38. Seubert J, Laukka EJ, Rizzuto D, Hummel T, Fratiglioni L, Bäckman L, et al. Prevalence and correlates of olfactory dysfunction in old age: a population-based study. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2017 [Epub ahead of print]

### **Review articles**

39. Haaksma ML, Vilela LR, Marengoni A, Calderón-Larrañaga A, Leoutsakos JS, Olde Rikkert MGM, et al. Comorbidity and progression of late onset Alzheimer's disease: a systematic review. *PloS one*. 2017;12(5):e0177044.
40. Wimmer BC, Cross AJ, Jokanovic N, Wiese MD, George J, Johnell K, et al. Clinical outcomes associated with medication regimen complexity in older people: a systematic review. *Journal of the American Geriatrics Society*. 2017;65(4):747-53.

### **Other publications**

41. Canevelli M, Grande G, Lacorte E, Quarchioni E, Cesari M, Mariani C, et al. Why Mild Cognitive Impairment Should Not Be Approached as a Disease: Reply to Iraqi and Hughes. *Journal of the American Medical Directors Association*. 2017;18(3):273-4.