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Academic background

Education and Professional Experience

1985: Graduated from Tohoku University School of Medicine, Awarded the degree of MD.

1989: Graduated from Tohoku University Graduate School of Medicine, Awarded the degree of PhD.

1990-1993: Departments of Neurology and Geriatric Medicine, Tohoku University Hospital

1994-1996: Post-doctoral fellow, Centre-CYCERON-INSERM U.320, Caen, France

1995-2004: Division of Neuropsychology, Department of Disability Medicine, Tohoku University Graduate School of Medicine

1997-1998: Department of Neurology, Sao Paulo University School of Medicine

2002-2006: Director, the Tajiri SKIP Center

2003: Alzheimer's Disease Research Center, Department of Neurology, Washington University in St. Louis, School of Medicine

2005-2013: Professor, Geriatric Behavioral Neurology, Tohoku University Graduate School of Medicine

2014-present: Professor, Geriatric Behavioral Neurology, Tohoku University CYRIC

2006-present: Head of Office against Dementia, The Osaki-Tajiri SKIP Center

Medical specialty

Board of Internal Medicine, Clinical Neurology, Stroke Medicine, Geriatric Psychiatry, and Dementia Medicine certified by the Japanese Societies of Internal Medicine, Neurology, Stroke, Psychogeriatric, and Dementia Association

Professional Society Membership

1. Executive Committee of the International Neuropsychiatric Association (INA)
2. Executive Committee of the Asian Society Against Dementia (ASAD)
3. Councilor of the Japanese Society of Cognitive Neuroscience
4. Councilor of the Japan Society for Higher Brain Dysfunction
5. Councilor of the Neuropsychology Association of Japan

6. Councilor of the Japan Psychogeriatric Association
7. Councilor of the Japan Society for Dementia Research

Editorial Board

1. Annals of Alzheimer's and Parkinson's Disease
2. Annals of Neurological Disorders and Stroke
3. Annals of Neurology Case Reports
4. Annals of Vascular Medicine and Surgery
5. Austin Aging Research
6. Clinics in Stroke
7. Dementia & Neuropsychologia
8. EC Neurology
9. Indian Journal of Neurology
10. International Journal of Alzheimer's Disease
11. Journal of Aging & Gerontology Research
12. Journal of Clinical Case Reports
13. Journal of Psychiatry and Cognitive Behaviour
14. Journal of Neurology Forecast
15. Journal of Nursing Research and Practice
16. MOJ Gerontology & Geriatrics
17. Neurology and Neurological Sciences: Open Access

Publication List

Total Impact Factors: 384.96

Books

1. Itoh M, Yamaguchi S, Meguro K, Fujiwara T, Iwata R, Ido T, Sasaki H. Neuroreceptor PET; Assessment of dopamine neurotransmission in dementia. Eds. Ochi H et al., *Updated PET and PRI. Brain, heart and tumor imaging*. Elsevier Science 1995, pp 101-105.
2. Fujiwara T, Mejia M, Itoh M, Yanai K, Meguro K, Sasaki H, Ono S, Itoh H, Fukuda H, Iwata R, Ido T, Watabe H, Cunningham VJ, Ashburger J, Jones T. Quantitative imaging of [¹¹C] Benzotropine in the human brain with graphic analysis and spectral analysis. In: Myers R, Cunningham V, Bailey D, Jones T eds. *Quantification of Brain Function Using PET*. Academic Press, San Diego, 1996, pp 317-320.
3. Meguro K, Homma A. Trans-cultural problems in clinical assessment of vascular cognitive impairment in Japan. In: Erkinjuntti T, Gauthier S, eds., *Vascular Cognitive Impairment*. London, Martin Dunitz Publishers 2001, pp 513-519.
4. Meguro K. Disintegrated neural networks in Alzheimer's disease (AD): Neurological bases for cognitive impairment and behavioral abnormality as shown by MRI and PET. *Research and practice in Alzheimer's disease*, Serdi Publisher, Springer Publishing Company, NY, vol. 6, 2002, pp 181-185.
5. Meguro K. Ishii H, Yamaguchi S, Ishizaki J, Sato M, Hashimoto R, Meguro M, Yamadori A, Sekita Y. Neuropsychological study on aging and dementia in a community: The Tajiri Project. *Research and practice in Alzheimer's disease*, Serdi Publisher, Springer Publishing Company, NY, 2003, pp 80-85.
6. Reisberg B, Wegiel J, Franssen E, Auer S, Shimada M, Meguro K, Kadiyala S, Borza L. Behavioral and neuropathologic course of Alzheimer's disease (AD): A synthesis based on retrogenesis, arboreal and neurometabolic entropy and possible etiopathogenic events. In: *Alzheimer's disease: New advances – collection of selected articles of papers presented at the 10th International Conference on Alzheimer's Disease and Related Disorders*. Eds. By Iqbal K, Winblad B, Avila J. pp219-222, 2007. (ISBN 978-88-7587-322-6)
7. Nakatsuka M, Meguro K. Neuroepidemiology of vascular dementia. In: S.R. Jacobsen eds. *Vascular dementia: Risk Factors, Diagnosis and Treatment*. Nova Publishers, 2011[E-book]
8. Meguro K. *Cognitive impairment and survival after a natural disaster: Lessons learned from life experiences in the Great East Japan Earthquake 2011*. NOVA Publishers, 2017.

Reviews & Reports

1. Itoh M, Meguro K, Ido T, Sasaki H. First signs of Alzheimer's? *Science* 1993; 259: 898.
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2. Meguro K, Yamaguchi S, Itoh M, Shimada M, Ishizaki J, Shimada Y, Yamadori A, Chavoix C, LeMestric C, Baron JC. Deteriorated neural networks in Alzheimer's disease: Neurological bases for cognitive impairment and behavioral abnormality as shown by MRI and PET. *The Japanese Neuropsychiatric Association, The Third Meeting Abstracts, Special Session "Up-to-Date Topics of Neuropsychiatry"* 1998; 1: 114-115.
3. Meguro K. Subjective memory complaints are not sine qua non as diagnostic criteria for MCI: the Tajiri project. *Acta Neurologica Taiwanica* 2006; 15: 55-57.
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4. Homma A, Meguro K, Dominguez J, Sahadevan S, Wang YH, Morris JC. Clinical Dementia Rating Workshop: The Asian Experience. *Alzheimer Disease & Associate Disorders* 2006; 20: 318-321.
[IF 2.88]
5. Meguro K. Community-based Measures to mild cognitive impairment (MCI): The Osaki-Tajiri Project. *Psychogeriatrics* 2007; 7: 132-136.
[IF 1.21]
6. Dubois B, Feldman H, Jacova C, DeKosky ST, Barberger-Gateau P, Cummings J, Delacourte A, Galasko D, Gauthier S, Jicha G, Meguro K, O'Brien J, Pasquier F, Robert P, Rossor M, Salloway S, Stern Y, and Visser PJ, Scheltens P. Research criteria for the diagnosis of Alzheimer's disease: Revising the NINCDS-ADRDA criteria - A Position Paper. *Lancet Neurology* 2007; 6: 734-746.
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7. Meguro K. Clinical features of mild cognitive impairment and dementia in a community: An update of the Osaki-Tajiri Project. *Tohoku Journal of Experimental Medicine* 2008; 215: 125-131.
[IF 1.01]
8. Dubois B, Feldman HH, Jacova C, Cummings JL, Dekosky ST, Barberger-Gateau P, Delacourte A, Frisoni G, Fox NC, Galasko D, Gauthier S, Hampel H, Jicha GA, Meguro K, O'Brien J, Pasquier F, Robert P, Rossor M, Salloway S, Sarazin M, de Souza LC, Stern Y, Visser PJ, Scheltens P. Revising the definition of Alzheimer's disease: A new lexicon. *Lancet Neurology* 2010; 9(11): 1118-1127. Epub 2010 Oct 9.
[IF 9.48]
9. Meguro K. Local response following the Great East Japan Earthquake 2011. *Neurology* 2011 Jul 19; 77(3): e12-15. Epub 2011 Jun 1.
[IF 8.17]
10. Meguro K. Activities in Osaki City following the March 2011 Japanese Earthquake. *International Psychogeriatric Association Bulletin* 2011; 28(2): 1
11. Meguro K. Rehabilitation for dementia. *International Psychogeriatric Association*

Bulletin 2012; 29(4): 8-9.

12. Dodge HH, Buracchio T, Fisher G, Kiyohara Y, Meguro K, Tanizaki Y, Kaye JA. Trends in the prevalence of dementia in Japan. *International Journal of Alzheimer's Disease* 2012; 2012: 956354. Epub 2012 Oct 3.
13. Meguro K. Behavioral Neurology in language and aphasia: From basic studies to clinical applications. *Acta Medica Indonesiana* 2012; 44: 327-334.
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14. Meguro K, Akanuma K, Toraiwa K, Okubo M, Onodera K. Behavioral improvement of dementia residents in a group home with an increased number of residents after the Great East Japan Earthquake 2011. *International Psychogeriatrics* 2014; 26(5): 871-872. Epub 2013 Dec 5.
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15. Meguro K. Measures to prevent Alzheimer's patients from discontinuing the use of cholinesterase inhibitors. *Psychogeriatrics* 2014 [Epub].
[IF 1.21]
16. Smith AD, Yaffe K, and 109 scientists from 36 countries (Meguro K and Iwatsubo T from Japan) have signed in support: Dementia (Including Alzheimer's Disease) can be Prevented: Statement supported by international experts. G8 dementia summit in London on 11 December 2013. *Journal of Alzheimer's Disease* 2014; 38: 699-703.
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17. Yang YH, Hsu CL, Chou MC, Kasai M, Meguro K, Kiu CK. Early symptoms of Alzheimer's disease in Japan and Taiwan. *Geriatrics and Gerontology International* 2015 Aug 5.
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18. Yang YH, Meguro K, Kim SY, Shim YS, Yu X, Chen CL, Wang H, Lam L, Senanarong V, Dominguez J, Lu PY, Lin YT, Hu CJ, Chiu PY, Fuh JL, Wang WF, Yu BC, Li T, Wang MW, Situmeang RF, Jang JW, Zhang J, Chan WC, Zhou YY, Lou HL, Zhang L, Ye M, Chen X. Impact of Alzheimer's Disease in Nine Asian Countries. *Gerontology* 2016; 62(4): 425-33. doi:10.1159/000443525.
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19. Chen C, Homma A, Mok VCT, Krishnamorthy E, Alladi S, Meguro K, Abe K, Dominguez J, Marasigan S, Kandiah N, Kim SY, Lee DY, De Silva HA, Yuan-Han Y, Pai MC, Vorapun S, Dash A. Alzheimer's disease with cerebrovascular disease: Current status in the Asia Pacific region. *Journal of Internal Medicine* 2016 March 16 [Epub].
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Original Articles

1. Meguro K, Hatazawa J, Yamaguchi T, Itoh M, Matsuzawa T, Ono S, Miyazawa H, Hishinuma T, Yanai K, Sekita Y, Yamada K. Cerebral circulation and oxygen metabolism associated with subclinical periventricular hyperintensity as shown by magnetic resonance imaging. *Annals of Neurology* 1990; 28: 378-383.
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2. Meguro K, Ueda M, Yamaguchi T, Sekita Y, Yamazaki H, Oikawa Y, Kikuchi Y, Matsuzawa T. Disturbance in daily sleep/wake patterns in patients with cognitive impairment and decreased daily activity. *Journal of the American Geriatrics Society* 1990; 38: 1176-1182.
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3. Itoh M, Hatazawa J, Miyazawa H, Matsui H, Meguro K, Yanai K, Kubota K, Watanuki S, Ido T, Matsuzawa T. Stability of cerebral blood flow and oxygen metabolism during normal aging. *Gerontology: Clinical Section* 1990; 36: 43-48.
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4. Meguro K, Doi C, Ueda M, Yamaguchi T, Matsui H, Kinomura S, Itoh M, Yamada K, Sasaki H. Decreased cerebral glucose metabolism associated with mental deterioration in multi-infarct dementia. *Neuroradiology* 1991; 33: 305-309.
[IF 1.00]
5. Sasaki H, Yanai K, Meguro K, Sekizawa K, Ikarashi Y, Maruyama Y, Yamamoto M, Matsuzaki Y, Takishima T. Nicotine improves cognitive disturbance in rodents fed with a choline - deficient diet. *Pharmacology, Biochemistry, and Behavior* 1991; 38: 921- 925.
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6. Hatazawa J, Hatano K, Ishiwata K, Itoh M, Ido T, Kawashima K, Meguro K, Watanuki S, Seo S. Measurement of D₂ dopamine receptor - specific carbon - 11 - YM - 09151- 2 binding in the canine brain by PET: Importance of partial volume correction. *Journal of Nuclear Medicine* 1991; 32: 713-718.
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7. Meguro K, Sekita Y, Yamaguchi T, Yamada K, Hishinuma T, Matsuzawa T. A study of periventricular hyperintensity. I. Normal brain aging. *Archives of Gerontology and Geriatrics* 1992; 14: 183-191.
[IF 0.27]
8. Meguro K, Yamaguchi S, Doi C, Nakamura T, Sekizawa K, Sasaki H. Prevention of respiratory infections in elderly bed-bound nursing home patients. *Tohoku Journal of Experimental Medicine* 1992;167(2):135-42
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9. Meguro K, Yanai K, Yokoyama H, Sakurai A, Maeyama K, Watanabe K, Matsuzawa T. Neurochemical studies on central histaminergic neuron system of senescence accelerated mice. *Biogenic Amines* 1992; 8: 299-307.
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10. Yanai K, Watanabe T, Meguro K, Yokoyama H, Sato I, Sasano H, Itoh M, Iwata R, Takahashi T, Ido T. Age - dependent decrease in histamine H1 receptor in human brains revealed by PET. *NeuroReport* 1992; 3: 433-436.
[IF 2.70]

11. Sasaki H, Matsuzaki Y, Meguro K, Ikarashi Y, Maruyama Y, Yamaguchi S, Sekizawa K. Vitamin B₁₂ improves cognitive disturbance in rodents fed with a choline - deficient diet. *Pharmacology, Biochemistry, and Behavior* 1992; 43: 635-639.
[IF 1.73]
12. Yanai K, Watanabe T, Yokoyama H, Meguro K, Hatazawa J, Itoh M, Iwata R, Ishiwata K, Takahashi T, Ido T. Histamine H₁ receptors in human brain visualized in vivo by [¹¹C] doxepin and positron emission tomography. *Neuroscience Letters* 1992; 137: 145-148.
[IF 2.09]
13. Yanai K, Watanabe K, Yokoyama H, Hatazawa J, Iwata R, Ishiwata K, Meguro K, Itoh M, Takahashi T, Ido T. Mapping of histamine H₁ receptors in the human brain using [¹¹C] pyrilamine and positron emission tomography. *Journal of Neurochemistry* 1992; 59: 128-136.
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14. Meguro K, Yamaguchi T, Hishinuma T, Miyazawa H, Ono S, Yamada K, Matsuzawa T. Periventricular hyperintensity on magnetic resonance imaging correlated with brain ageing and atrophy. *Neuroradiology* 1993; 35: 125-129.
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15. Sasaki H, Meguro K, Matsuzaki Y, Doi C, Yamaguchi S, Nakamura T, Aoki T, Sekizawa K, Shimizu Y. Effect of nicotine on cognitive disturbance in animals with acetylcholine deficient brain. *Japanese Journal of Psychopharmacology* 1993; 13: 143-147.
16. Sato N, Meguro K, Yamaguchi S, Aoki T, Sekizawa K, Yamaya M, Sasaki H. Bactericidal clothes reduce infections in elderly bed-bound nursing home patients. *Archives of Gerontology and Geriatrics* 1993; 17(1):55-63.
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17. Meguro K, Yamaguchi S, Arai H, Nakagawa T, Doi C, Yamada M, Ikarashi Y, Maruyama Y, Sasaki H. Nicotine improves cognitive disturbance in senescence-accelerated mice. *Pharmacology Biochemistry and Behavior* 1994; 49: 769- 772.
[IF 1.73]
18. Itoh M, Meguro K, Fujiwara T, Hatazawa J, Iwata R, Ishiwata K, Takahashi T, Ido T, Sasaki H. Assessment of dopamine metabolism in brain of patients with dementia by means of ¹⁸F-fluorodopa and PET. *Annals of Nuclear Medicine* 1994; 8: 245-251.
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19. Meguro K, Ueda M, Kobayashi I, Yamaguchi S, Yamazaki H, Oikawa Y, Kikuchi Y, Sasaki H. Sleep disturbance in elderly patients with cognitive impairment, decreased daily activity and periventricular white matter lesions. *Sleep* 1995; 18: 109-114.
[IF 3.17]
20. Meguro K, Yanai K, Sakai N, Sakurai E, Maeyama K, Sasaki H, Watanabe T. Effects of thioperamide, a histamine H₃ antagonist, on the step-through passive avoidance response and histidine decarboxylase activity in senescence-accelerated mice. *Pharmacology Biochemistry and Behavior* 1995; 3: 321-325.

- [IF 1.73]
21. Tanaka A, Okuzumi H, Kobayashi I, Murai N, Meguro K, Nakamura T. Gait disturbance of patients with vascular and Alzheimer-type dementias. *Perceptual and Motor Skills* 1995; 80: 735-738.
- [IF 0.30]
22. Meguro K, Yamaguchi S, Yamazaki H, Itoh M, Yamaguchi T, Matsui H, Sasaki H. Cortical glucose metabolism in psychiatric wandering patients with vascular dementia. *Psychiatry Research: Neuroimaging* 1996; 67: 71-80.
- [IF 1.92]
23. Nakamura T, Meguro K, Sasaki H. Relationship between falls and stride length variability in senile dementia of the Alzheimer type. *Gerontology* 1996; 42: 108-113.
- [IF 1.42]
24. Meguro K, Yamaguchi S, Itoh M, Fujiwara T, Yamadori A. Striatal dopamine metabolism correlated with fronto-temporal glucose utilization in Alzheimer's disease. *Neurology* 1997; 49: 941-945.
- [IF 4.78]
25. Meguro K, Itoh M, Yanai K, Takase K, Yamaguchi S, Ido T, Yamadori A. Psychiatric wandering behavior in dementia patients correlated with increased striatal dopamine D₂ receptor as shown by [¹¹C]YM-09151-2 and positron emission tomography. *European Journal of Neurology* 1997; 4: 221-226.
- [IF 0.95]
26. Yamaguchi S, Meguro K, Itoh M, Hayasaka C, Shimada M, Yamazaki H, Yamadori A. Decreased cortical glucose metabolism correlated with hippocampal atrophy in Alzheimer's disease as shown by MRI and PET. *Journal of Neurology, Neurosurgery, and Psychiatry* 1997; 62: 596-600.
- [IF 2.85]
27. Nakamura T, Meguro K, Yamazaki H, Okuzumi H, Tanaka A, Horikawa A, Yamaguchi K, Katsuyama N, Nakano M, Arai H, Sasaki H. Postural and gait disturbance correlated with decreased frontal cerebral blood flow in Alzheimer disease. *Alzheimer Disease and Associated Disorders* 1997; 11: 132- 139.
- [IF 1.84]
28. Okuzumi H, Tanaka A, Haishi K, Meguro K, Yamazaki H, Kobayashi I, Nakamura T. Characteristics of postural control and locomotion of patients with vascular and Alzheimer - type dementias. *Perceptual and Motor Skills* 1997; 84: 16-18.
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29. Meguro K, Hatazawa J, Itoh M, Miyazawa H, Matsuzawa T, Yamadori A. Cerebral blood flow correlated with carotid blood flow in neurologically normal elderly with severe white matter lesions. *European Journal of Neurology* 1998; 5: 143-149.
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30. Nakamura K, Meguro K, Yamazaki H, Ishizaki J, Saito H, Saito N, Shimada M, Yamaguchi S, Shimada Y, Yamadori A et al. Kanji-predominant alexia in advanced Alzheimer's disease. *Acta Neurologica Scandinavica* 1998; 97: 237-243.
- [IF 1.30]
31. Shimada M, Meguro K, Yamazaki H, Horikawa A, Hayasaka C, Yamaguchi S, Yamaguchi K, Katuyama N, Nakano M, Yamadori A. Impaired verbal description

ability assessed by the Picture Description Task in Alzheimer's disease. *Archives of Gerontology and Geriatrics* 1998; 27: 57-65.

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32. Ishizaki J, Meguro K, Ambo H, Shimada M, Yamaguchi S, Hayasaka C, Komatsu H, Sekita Y, Yamadori A. A normative, community-based study of Mini-Mental State in elderly adults: the effect of age and educational level. *Journal of Gerontology: Psychological Sciences* 1998; 53B: 359-363.

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35. Ishii H, Meguro K, Ishizaki J, Shimada M, Yamaguchi S, Sano I, Ambo H, Ohtake H, Shimada Y, Someya K, Sato M, Shibuya Y, Kato M, Sekita Y, Yamadori A. Prevalence of senile dementia in a rural community in Japan: The Tajiri Project. *Archives of Gerontology and Geriatrics* 1999; 29: 249-265.

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36. Meguro K, Constans JM, Courtheoux P, Theron J, Viader F, Yamadori A. Atrophy of the corpus callosum correlates with white matter lesions in patients with cerebral ischemia. *Neuroradiology* 2000; 42: 413-419.

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38. Ishizaki J, Meguro K, Ishii H, Yamaguchi S, Shimada M, Yamadori A, Yambe Y, Yamazaki H. The effects of group work therapy in patients with Alzheimer's disease. *International Journal of Geriatric Psychiatry* 2000; 15: 532- 535.

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39. Higuchi M, Yanai K, Okamura N, Meguro K, Arai H, Itoh M, Iwata R, Ido T, Watanabe T, Sasaki H. Histamine H1 receptors in patients with Alzheimer's disease assessed by positron emission tomography. *Neuroscience* 2000; 99: 721-729.

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40. Meguro K, LeMestric C, Landeau B, Desgranges B, Eustache F, Baron JC. Relations between hypometabolism in the posterior association neocortex and hippocampal atrophy in Alzheimer's disease: A PET/MRI correlative study. *Journal of Neurology, Neurosurgery, and Psychiatry* 2001; 71: 315-321.

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41. Meguro K, Meguro M, Caramelli P, Ishizaki J, Ambo H, Chubaci RYS, Hamada GS,

- Nitrini R, Yamadori A. Elderly Japanese emigrants to Brazil before World War II: II. Prevalence of senile dementia. *International Journal of Geriatric Psychiatry* 2001; 16: 775- 779.
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42. Meguro K, Shimada M, Yamaguchi S, Ishizaki J, Yamadori A, Sekita Y. A 5-year retrospective examination of cognitive screening test stages in normal older adults and patients with Alzheimer's disease: the Tajiri Project. *Journal of Gerontology: Psychological Sciences* 2001; 56B: 314-318.
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44. Meguro K, Meguro M, Caramelli P, Ishizaki J, Ambo H, Chubaci RYS, Hamada GS, Nitrini R, Yamadori A. An environmental change does not affect dementia prevalence but affects depressive state and physical activity: A trans-cultural study of Japanese elderly subjects and Japanese elderly immigrants in Brazil. *Psychogeriatrics* 2001; 1: 201-208.
45. Meguro K, Shimada M, Someya K, Horikawa A, Yamadori A. Hemispatial visual searching impairment correlates with decreased contralateral parietal blood flow in Alzheimer's disease. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology* 2001; 14: 213-218.
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49. Ambo H, Meguro K, Ishizaki J, Shimada M, Yamaguchi S, Sekita Y, Yamadori A. Depressive symptoms and associated factors in a cognitively normal elderly population: The Tajiri Project. *International Journal of Geriatric Psychiatry* 2001; 16: 780-788.
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[IF 0.52]
51. Meguro K, Ishii H, Yamaguchi S, Ishizaki J, Shimada M, Sato M, Hashimoto R, Shimada Y, Meguro M, Yamadori A, Sekita Y. Prevalence of dementia and dementing diseases in Japan: The Tajiri Project. *Archives of Neurology* 2002; 59: 1109-1114.
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52. Yamaguchi S, Meguro K, Shimada M, Ishizaki J, Yamadori A. Five-year retrospective changes of hippocampal atrophy and cognitive screening test performances in very mild Alzheimer's disease: The Tajiri Project. *Neuroradiology* 2002; 44: 43-48.
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53. Inagaki H, Meguro K, Shimada M, Ishizaki J, Okuzumi H, Yamadori A. Discrepancy between mental rotation and perspective-taking abilities in normal aging assessed by Piaget's Three-Mountain Task. *Journal of Clinical and Experimental Neuropsychology* 2002; 24: 18-25.
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55. Ishizaki J, Meguro K, Ohe K, Kimura E, Tsuchiya E, Ishii H, Sekita Y, Yamadori A. Therapeutic psychosocial intervention for elderly subjects with very mild Alzheimer's disease in a community: The Tajiri Project. *Alzheimer Disease and Associated Disorders* 2002; 16: 261-269.
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57. Meguro K, Constans JM, Shimada M, Yamaguchi S, Ishizaki J, Ishii H, Yamadori A, Sekita Y. Corpus callosum atrophy, white matter lesions, and frontal executive dysfunction in normal aging and Alzheimer's disease. *International Psychogeriatrics* 2003; 15: 9-25.
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58. Meguro K, Senaha MLH, Caramelli P, Ishizaki J, Chubaci RYS, Meguro M, Ambo H, Nitrini R, Yamadori A. Language deterioration in four Japanese-Portuguese bilingual patients with Alzheimer's disease: a trans-cultural study of Japanese elderly immigrants in Brazil. *Psychogeriatrics* 2003; 3: 63-68.

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