

Publications of Geriatric Clinic and Services, Nimhans

1. Subramanian S, Krishna G, Sivakumar PT, Dahale AB, Sinha P, Varghese M. Association of plasma neurofilament L (NfL) levels with severity of dementia in Alzheimer's disease: An exploratory study from South India. *Asian Journal of Psychiatry* 2021/04/01/ 2021;58:102606.
2. Sinha P, Hussain T, Boora NK, Rao GN, Varghese M, Gururaj G, Benegal V. Prevalence of Common mental disorders in older adults: Results from the National Mental Health Survey of India. *Asian Journal of Psychiatry* 2021/01/01/ 2021;55:102463.
3. Mukku SSR, Nadella RK, Sivakumar PT, Sinha P, Varghese M, Jain S. Is late onset schizophrenia a forerunner of Frontotemporal dementia? - A case series. *Schizophrenia Research* 2021/02/01/ 2021;228:56-57.
4. Mangalore S, Mukku SSR, Vankayalapati S, Sivakumar PT, Varghese M. Shape Profile of Corpus Callosum As a Signature to Phenotype Different Dementia. *J Neurosci Rural Pract* Jan 2021;12(1):185-192.
5. Fotheringham L, Paddick SM, Barron Millar E, Norman C, Lukose A, Walker R, Varghese M. Screening tools for common mental disorders in older adults in South Asia: a systematic scoping review. *Int Psychogeriatr* Jan 8 2021:1-12.
6. Baruah U, Varghese M, Loganathan S, Mehta KM, Gallagher-Thompson D, Zandi D, Dua T, Pot AM. Feasibility and preliminary effectiveness of an online training and support program for caregivers of people with dementia in India: a randomized controlled trial. *Int J Geriatr Psychiatry* Jan 25 2021.
7. Sivakumar PT, Mukku SSR, Kar N, Manjunatha N, Phutane V, Sinha P, Kumar CN, Math SB. Geriatric Telepsychiatry: Promoting Access to Geriatric Mental Health Care Beyond the Physical Barriers. *Indian J Psychological Medicine* 2020:Accepted.
8. Sinha P, Hussain T, Boora NK, Rao GN, Varghese M, Gururaj G, Benegal V. Prevalence of Common mental disorders in older adults: Results from the National Mental Health Survey of India. *Asian J Psychiatr* 2020:Accepted.
9. Reddy Mukku SS, Keshavaprasad YB, Rangarajan SK, Girimaji AS, Mohammed M, Mangalore S, Sivakumar PT. Multilingualism and semantic dementia - A case report. *Asian J Psychiatr* Jun 30 2020;54:102267.
10. Rao GP, Sivakumar PT, Srivastava S, Sidana RC. Cognitive Therapy and Family Intervention for Patients with Dementia and Psychosis. *Indian J Psychiatry* Jan 2020;62(Suppl 2):S183-s191.
11. Muniswamy NR, Mukku SSR, Sivakumar PT, et al. Study of neuropsychological deficits in late onset depression. *Asian J Psychiatr* Dec 2020;54:102435.
12. Mukku SSR, Sinha P, Sivakumar PT, Varghese M. Anticholinergic Burden among Hospitalised Older Adults with Psychiatric Illnesses- A retrospective study. *Current Drug Safety* 2020:Accepted.
13. Mukku SSR, Jagtap N, Issac TG, Mangalore S, Sivakumar PT. Psychotic symptoms in frontotemporal dementia with right frontotemporal atrophy. *Asian J Psychiatr* Apr 18 2020;52:102040.

14. Lee J, Ganguli M, Weerman A, Chien S, Lee DY, Varghese M, Dey AB. Online Clinical Consensus Diagnosis of Dementia: Development and Validation. *J Am Geriatr Soc* Aug 2020;68 Suppl 3:S54-s59.
15. Krishna G, Sivakumar PT, Dahale AB, et al. Increased prolidase activity in Alzheimer's dementia: A case-control study. *Asian J Psychiatr* Jun 18 2020;53:102242.
16. Krishna G, Kn A, Kumar RS, et al. Higher levels of lysosomal associated membrane protein-2 (LAMP-2) in plasma exosomes from Alzheimer's disease: An exploratory study from South India. *Asian J Psychiatr* Feb 2020;48:101898.
17. Joshi H, Bharath S, John JP, Sadanand S, Saini J, Kumar K, Varghese M. Resting state functional connectivity abnormalities and delayed recall performance in patients with amnesic mild cognitive impairment. *Brain Imaging Behav* Feb 2020;14(1):267-277.
18. India State-Level Disease Burden Initiative Mental Disorders C. The burden of mental disorders across the states of India: the Global Burden of Disease Study 1990-2017. *Lancet Psychiatry* Feb 2020;7(2):148-161.
19. Gautham MS, Gururaj G, Varghese M, et al. The National Mental Health Survey of India (2016): Prevalence, socio-demographic correlates and treatment gap of mental morbidity. *Int J Soc Psychiatry* Jun 2020;66(4):361-372.
20. Dahale AB, Jaisooriya TS, Manoj L, Kumar GS, Gokul GR, Radhakrishnan R, Thennarasu K, Varghese M. Insomnia Among Elderly Primary Care Patients in India. *Prim Care Companion CNS Disord* May 21 2020;22(3).
21. Chhabra H, Bose A, Shivakumar V, et al. Tolerance of transcranial direct current stimulation in psychiatric disorders: An analysis of 2000+ sessions. *Psychiatry Res* Feb 2020;284:112744.
22. Chatterjee SS, Mitra S, Mehta UM, Sivakumar PT. Theta-burst rTMS may improve psychomotor retardation in geriatric depression - A case report. *Asian J Psychiatr* Jul 10 2020;54:102301.
23. Baruah U, Shivakumar P, Loganathan S, Pot AM, Mehta KM, Gallagher-Thompson D, Dua T, Varghese M. Perspectives on Components of an Online Training and Support Program for Dementia Family Caregivers in India: A Focus Group Study. *Clin Gerontol* Oct-Dec 2020;43(5):518-532.
24. Banerjee J, Jain U, Khobragade P, et al. Methodological considerations in designing and implementing the harmonized diagnostic assessment of dementia for longitudinal aging study in India (LASI-DAD). *Biodemography Soc Biol* Jul-Sep 2020;65(3):189-213.
25. Amudhan S, Gururaj G, Varghese M, et al. A population-based analysis of suicidality and its correlates: findings from the National Mental Health Survey of India, 2015-16. *Lancet Psychiatry* Jan 2020;7(1):41-51.
26. Tripathi R, Kumar K, Bharath S, P M, Rawat VS, Varghese M. Indian older adults and the digit span A preliminary report. *Dement Neuropsychol* Jan-Mar 2019;13(1):111-115.
27. Thirthalli J, Sivakumar PT, Gangadhar BN. Preventing Late-Life Depression Through Task Sharing: Scope of Translating Evidence to Practice in Resource-Scarce Settings. *JAMA Psychiatry* Jan 1 2019;76(1):7-8.
28. Sivakumar PT, Mukku SSR, Antony S, Harbishettar V, Kumar CN, Math SB. Implications of Mental Healthcare Act 2017 for geriatric mental health care delivery: A critical appraisal. *Indian J Psychiatry* Apr 2019;61(Suppl 4):S763-s767.

29. Najar AH, Sneha KM, Ashok A, et al. Derivation of iPSC lines from two patients with familial Alzheimer's disease from India. *Stem Cell Res* Jan 2019;34:101370.
30. Mukku SSR, Sivakumar PT, Nagaraj C, Mangalore S, Harbishettar V, Varghese M. Clinical utility of 18F-FDG-PET/MRI brain in dementia: Preliminary experience from a geriatric clinic in South India. *Asian J Psychiatr* Aug 2019;44:99-105.
31. Mukku S, Safal SS, Pritam R, Nashi S, Nagarathna C, Pt S, Netravathi M. Neurosyphilis presenting as rapidly progressive psychosis & dementia - A forgotten entity. *Asian J Psychiatr* Feb 2019;40:103-106.
32. Kokane A, Pakhare A, Gururaj G, et al. Mental Health Issues in Madhya Pradesh: Insights from National Mental Health Survey of India 2016. *Healthcare (Basel)* Mar 31 2019;7(2).
33. Joshi H, Bharath S, Balachandar R, et al. Differentiation of Early Alzheimer's Disease, Mild Cognitive Impairment, and Cognitively Healthy Elderly Samples Using Multimodal Neuroimaging Indices. *Brain Connect* Nov 2019;9(9):730-741.
34. Ganesh S, Ahmed PH, Nadella RK, et al. Exome sequencing in families with severe mental illness identifies novel and rare variants in genes implicated in Mendelian neuropsychiatric syndromes. *Psychiatry Clin Neurosci* Jan 2019;73(1):11-19.
35. Arvind BA, Gururaj G, Loganathan S, et al. Prevalence and socioeconomic impact of depressive disorders in India: multisite population-based cross-sectional study. *BMJ Open* Jun 27 2019;9(6):e027250.
36. Ahmed PH, V V, More RP, Viswanath B, Jain S, Rao MS, Mukherjee O. INDEX-db: The Indian Exome Reference Database (Phase I). *J Comput Biol* Mar 2019;26(3):225-234.
37. Viswanath B, Rao NP, Narayanaswamy JC, et al. Discovery biology of neuropsychiatric syndromes (DBNS): a center for integrating clinical medicine and basic science. *BMC Psychiatry* Apr 18 2018;18(1):106.
38. Varghese M, Dahale AB. The Geropsychiatric Interview- Assessment and Diagnosis. *Indian J Psychiatry* Feb 2018;60(Suppl 3):S301-s311.
39. Syama A, Sen S, Kota LN, et al. Mutation burden profile in familial Alzheimer's disease cases from India. *Neurobiol Aging* Apr 2018;64:158.e157-158.e113.
40. Shaji KS, Sivakumar PT, Rao GP, Paul N. Clinical Practice Guidelines for Management of Dementia. *Indian J Psychiatry* Feb 2018;60(Suppl 3):S312-s328.
41. Reddy MSS, Achary U, Harbishettar V, Sivakumar PT, Varghese M. Paradoxical reaction to benzodiazepines in elderly - Case series. *Asian J Psychiatr* Jun 2018;35:8-10.
42. Pradeep BS, Gururaj G, Varghese M, et al. National Mental Health Survey of India, 2016 - Rationale, design and methods. *PLoS One* 2018;13(10):e0205096.
43. Mukku SSR, Sivakumar PT, Varghese M. Clozapine use in geriatric patients- Challenges. *Asian J Psychiatr* Mar 2018;33:63-67.
44. Mukku SSR, Selvaraj S, Parlikar R, et al. High-Definition Transcranial direct current stimulation (HD-tDCS) for auditory hallucinations in dementia-A case series. *Asian J Psychiatr* Oct 2018;37:102-105.
45. Mukku SSR, Harbishettar V, Sivakumar PT. Psychological morbidity after job retirement: A review. *Asian J Psychiatr* Oct 2018;37:58-63.
46. Mukku SSR, Chintala H, Nagaraj C, Mangalore S, Sivakumar PT, Varghese M. Posterior cortical atrophy variant of Alzheimer's dementia-A case report. *Asian J Psychiatr* Jun 2018;35:109-112.

47. Mukku SSR, Achary U, Sivakumar PT, Varghese M. Recurrent truncal dystonia (Pisa syndrome) due to donepezil - A case report. *Asian J Psychiatr* Jun 2018;35:47-49.
48. Michael A, Thirumoorthy A, Girish N, Sivakumar PT. Training Community health workers in geriatric mental health: Process of manual development and pilot testing findings. *Asian J Psychiatr* Dec 2018;38:12-15.
49. Mehta KM, Gallagher-Thompson D, Varghese M, et al. iSupport, an online training and support program for caregivers of people with dementia: study protocol for a randomized controlled trial in India. *Trials* May 8 2018;19(1):271.
50. India State-Level Disease Burden Initiative Suicide C. Gender differentials and state variations in suicide deaths in India: the Global Burden of Disease Study 1990-2016. *Lancet Public Health* Oct 2018;3(10):e478-e489.
51. Sinha P, Yohannan S, Thirumoorthy A, Sivakumar PT. Predictors of Desire to Institutionalization in Dementia Caregivers From a Developing Country. *Am J Alzheimers Dis Other Demen* Aug 2017;32(5):245-251.
52. Shankarappa BM, Kota LN, Purushottam M, et al. Effect of CLU and PICALM polymorphisms on AD risk: A study from south India. *Asian J Psychiatr* Jun 2017;27:7-11.
53. Sagar R, Pattanayak RD, Chandrasekaran R, et al. Twelve-month prevalence and treatment gap for common mental disorders: Findings from a large-scale epidemiological survey in India. *Indian J Psychiatry* Jan-Mar 2017;59(1):46-55.
54. Murugaraja V, Shivakumar V, Sivakumar PT, Sinha P, Venkatasubramanian G. Clinical utility and tolerability of transcranial direct current stimulation in mild cognitive impairment. *Asian J Psychiatr* Dec 2017;30:135-140.
55. Loganathan S, Iyengar V, Chowdappa SV, Varghese M. Population trends and public awareness of healthy and pathological ageing in India: A brief overview. *Asian J Psychiatr* Oct 2017;29:49-53.
56. Krishna M, Kumar GM, Veena SR, et al. Birth size, risk factors across life and cognition in late life: protocol of prospective longitudinal follow-up of the MYNAH (MYSore studies of Natal effects on Ageing and Health) cohort. *BMJ Open* Feb 16 2017;7(2):e012552.
57. India State-Level Disease Burden Initiative C. Nations within a nation: variations in epidemiological transition across the states of India, 1990-2016 in the Global Burden of Disease Study. *Lancet* Dec 2 2017;390(10111):2437-2460.
58. Hossien SA, Loganathan S, Kolar Sridara Murthy M, Palanimuthu Thangaraju S, Bharath S, Varghese M. Pathways to care among persons with dementia: Study from a tertiary care center. *Asian J Psychiatr* Dec 2017;30:59-64.
59. Bharath S, Sadanand S, Kumar KJ, Balachandar R, Joshi H, Varghese M. Clinical and neuropsychological profile of persons with mild cognitive impairment, a hospital based study from a lower and middle income country. *Asian J Psychiatr* Dec 2017;30:185-189.
60. Bharath S, Joshi H, John JP, Balachandar R, Sadanand S, Saini J, Kumar KJ, Varghese M. A Multimodal Structural and Functional Neuroimaging Study of Amnesic Mild Cognitive Impairment. *Am J Geriatr Psychiatry* Feb 2017;25(2):158-169.
61. Balachandar R, Bharath S, John JP, Joshi H, Sadanand S, Saini J, Kumar KJ, Varghese M. Resting-State Functional Connectivity Changes Associated with Visuospatial Cognitive Deficits in Patients with Mild Alzheimer Disease. *Dement Geriatr Cogn Disord* 2017;43(5-6):229-236.

62. Tripathi R, Kumar K, Balachandar R, Marimuthu P, Varghese M, Bharath S. Cognitive markers of mild cognitive impairment: An Indian experience. *Ann Indian Acad Neurol* Jan-Mar 2016;19(1):164.
63. Shah H, Albanese E, Duggan C, et al. Research priorities to reduce the global burden of dementia by 2025. *Lancet Neurol* Nov 2016;15(12):1285-1294.
64. Agarwal SM, Rajur S, Bose A, et al. Use of transcranial direct current stimulation (tDCS) in a woman with behavioral variant fronto-temporal dementia. *Asian J Psychiatr* Jun 2016;21:31-32.
65. Tripathi R, Kumar K, Balachandar R, Marimuthu P, Varghese M, Bharath S. Neuropsychological markers of mild cognitive impairment: A clinic based study from urban India. *Ann Indian Acad Neurol* Apr-Jun 2015;18(2):177-180.
66. Sivakumar PT, Kalmady SV, Venkatasubramanian G, et al. Volumetric analysis of hippocampal sub-regions in late onset depression: a 3 tesla magnetic resonance imaging study. *Asian J Psychiatr* Feb 2015;13:38-43.
67. Shivakumar P, Sadanand S, Bharath S, Girish N, Philip M, Varghese M. Identifying psychological distress in elderly seeking health care. *Indian J Public Health* Jan-Mar 2015;59(1):18-23.
68. Shenoy S, Bose A, Chhabra H, et al. Transcranial direct current stimulation (tDCS) for auditory verbal hallucinations in schizophrenia during pregnancy: a case report. *Brain Stimul* Jan-Feb 2015;8(1):163-164.
69. Narayan SM, Varghese M, Hepburn K, Lewis M, Paul I, Bhimani R. Caregiving experiences of family members of persons with dementia in south India. *Am J Alzheimers Dis Other Demen* Aug 2015;30(5):508-516.
70. Kota LN, Bharath S, Purushottam M, Moily NS, Sivakumar PT, Varghese M, Pal PK, Jain S. Reduced telomere length in neurodegenerative disorders may suggest shared biology. *J Neuropsychiatry Clin Neurosci* 2015;27(2):e92-96.
71. Huded CB, Bharath S, Chandra SR, Sivakumar PT, Varghese M, Subramanian S. Supportive CSF biomarker evidence to enhance the National Institute on Aging-Alzheimer's Association criteria for diagnosis of Alzheimer's type dementia--a study from Southern India. *Asian J Psychiatr* Feb 2015;13:44-47.
72. Balachandar R, John JP, Saini J, et al. A study of structural and functional connectivity in early Alzheimer's disease using rest fMRI and diffusion tensor imaging. *Int J Geriatr Psychiatry* May 2015;30(5):497-504.
73. Tripathi R, Kumar K, Bharath S, Marimuthu P, Varghese M. Age, education and gender effects on neuropsychological functions in healthy Indian older adults. *Dement Neuropsychol* Apr-Jun 2014;8(2):148-154.
74. Sharma E, Venkatasubramanian G, Varambally S, Sivakumar PT, Subbakrishna DK, Gangadhar BN. Antipsychotic induced metabolic changes & treatment response: a prospective study. *Asian J Psychiatr* Oct 2014;11:39-44.
75. Kota LN, Bharath S, Purushottam M, Paul P, Sivakumar PT, Varghese M, Jain S. Reduced telomere length in subjects with dementia and diabetes mellitus type 2 is independent of apolipoprotein E4 genotype. *Asian J Psychiatr* Dec 2014;12:58-62.

76. Arasappa R, Rao NP, Venkatasubramanian G, Reddy NN, Behere RV, Sivakumar PT, Gangadhar BN. Rimonabant-induced depression in schizophrenia. *Indian J Psychiatry* Apr 2014;56(2):205.
77. Tripathi R, Kumar JK, Bharath S, Marimuthu P, Varghese M. Clinical validity of NIMHANS neuropsychological battery for elderly: A preliminary report. *Indian J Psychiatry* Jul 2013;55(3):279-282.
78. Sadanand S, Shivakumar P, Girish N, et al. Identifying elders with neuropsychiatric problems in a clinical setting. *J Neurosci Rural Pract* Aug 2013;4(Suppl 1):S24-30.
79. Hariprasad VR, Sivakumar PT, Koparde V, Varambally S, Thirthalli J, Varghese M, Basavaraddi IV, Gangadhar BN. Effects of yoga intervention on sleep and quality-of-life in elderly: A randomized controlled trial. *Indian J Psychiatry* Jul 2013;55(Suppl 3):S364-368.
80. Hariprasad VR, Koparde V, Sivakumar PT, Varambally S, Thirthalli J, Varghese M, Basavaraddi IV, Gangadhar BN. Randomized clinical trial of yoga-based intervention in residents from elderly homes: Effects on cognitive function. *Indian J Psychiatry* Jul 2013;55(Suppl 3):S357-363.
81. Bagepally BS, John JP, Varghese M, Halahalli HN, Kota L, Sivakumar PT, Bharath S, Jain S. Relationship of clinical and cognitive variables with brain morphometric abnormalities in Alzheimer's disease: a voxel based morphometric study using 3-tesla MRI. *Aging Dis* 2013;4(5):235-243.
82. Sureshkumar R, Bharath S, Jain S, et al. ApoE4 and late onset depression in Indian population. *J Affect Disord* Feb 2012;136(3):244-248.
83. Phutane VH, Thirthalli J, Sivakumar PT, et al. Barriers to discharge of patients from a government-run day-care psychiatric rehabilitation center in India. *Asian J Psychiatr* Mar 2012;5(1):34-37.
84. Kota LN, Shankarappa BM, Shivakumar P, et al. Dementia and diabetes mellitus: association with apolipoprotein e4 polymorphism from a hospital in southern India. *Int J Alzheimers Dis* 2012;2012:702972.
85. Bagepally BS, Halahalli HN, John JP, et al. Apolipoprotein E4 and brain white matter integrity in Alzheimer's disease: tract-based spatial statistics study under 3-Tesla MRI. *Neurodegener Dis* 2012;10(1-4):145-148.
86. Vinay HR, Sundar GS, Behere RV, Arasappa R, Rao NP, Venkatasubramanian G, Sivakumar PT, Gangadhar BN. Effect of risperidone on metabolic parameters in antipsychotic-naïve schizophrenia: A prospective one year follow-up study. *Asian J Psychiatr* Mar 2011;4(1):73-74.
87. Sharma E, Rao NP, Venkatasubramanian G, Behere RV, Varambally S, Sivakumar PT, Gangadhar BN. Relation between weight gain and clinical improvement: is there a metabolic threshold for second generation antipsychotics? *Psychiatry Res* Mar 30 2011;186(1):155.
88. Prince M, Acosta D, Ferri CP, et al. A brief dementia screener suitable for use by non-specialists in resource poor settings--the cross-cultural derivation and validation of the brief Community Screening Instrument for Dementia. *Int J Geriatr Psychiatry* Sep 2011;26(9):899-907.

89. Narayanaswamy JC, Varghese M, Jain S, Sivakumar PT, Prakash O, Bharath S, Kandavel T. Is there a familial overlap between dementia and other psychiatric disorders? *Int Psychogeriatr* Jun 2011;23(5):749-755.
90. Muliya KP, Varghese M. The complex relationship between depression and dementia. *Ann Indian Acad Neurol* Dec 2010;13(Suppl 2):S69-73.
91. Loganathan S, Phutane VH, Prakash O, Varghese M. Progression of vascular depression to possible vascular dementia. *J Neuropsychiatry Clin Neurosci* Fall 2010;22(4):451-t.e434-451.e435.
92. Henry J, Jagannathan A, Bhavana K, Thomas B, Bharath S, Varghese M, Jhirwal OP, Sivakumar PT. Group intervention for carers of geriatric patients: experiences from a clinic in India. *Int Psychiatry* Apr 2010;7(2):30-32.
93. Bharath S, Purushottam M, Mukherjee O, et al. Apolipoprotein E polymorphism and dementia: a hospital-based study from southern India. *Dement Geriatr Cogn Disord* 2010;30(6):455-460.
94. Reddy NN, Rao NP, Venkatasubramanian G, Arasappa R, Behere RV, Divakaran A, Sivakumar PT, Gangadhar BN. Rimonabant-induced catatonia in schizophrenia: A case report. *Obes Res Clin Pract* Nov 2009;3(4):237-239.
95. Prasad K, Gupta H, Bharath S, Prakash O, Sivakumar PT, Kumar CN, Varghese M. Clinical practice with antidementia and antipsychotic drugs: Audit from a geriatric clinic in India. *Indian J Psychiatry* Oct-Dec 2009;51(4):272-275.
96. Prakash O, Kumar CN, Shivakumar PT, Bharath S, Varghese M. Clinical presentation of mania compared with depression: data from a geriatric clinic in India. *Int Psychogeriatr* Aug 2009;21(4):764-767.
97. Group DR. Subjective Memory Deficits in People with and without Dementia: Findings from the 10/66 Dementia Research Group Pilot Studies in Low- and Middle-Income Countries. *Journal of the American Geriatrics Society* 2009;57(11):2118-2124.
98. Rao NP, Kumar NC, Raman BR, Sivakumar PT, Pandey RS. Role of vitamin B12 in depressive disorder--a case report. *Gen Hosp Psychiatry* Mar-Apr 2008;30(2):185-186.
99. Kalaria RN, Maestre GE, Arizaga R, et al. Alzheimer's disease and vascular dementia in developing countries: prevalence, management, and risk factors. *Lancet Neurol* Sep 2008;7(9):812-826.
100. Prince M, Group DR. Care arrangements for people with dementia in developing countries. *Int J Geriatr Psychiatry* Feb 2004;19(2):170-177.
101. Prince M, Graham N, Brodaty H, Rimmer E, Varghese M, Chiu H, Acosta D, Scazufca M. Alzheimer Disease International's 10/66 Dementia Research Group - one model for action research in developing countries. *Int J Geriatr Psychiatry* Feb 2004;19(2):178-181.
102. Prince M, Acosta D, Chiu H, Copeland J, Dewey M, Scazufca M, Varghese M. Effects of education and culture on the validity of the Geriatric Mental State and its AGECAT algorithm. *Br J Psychiatry* Nov 2004;185:429-436.
103. Prince M, Acosta D, Chiu H, Scazufca M, Varghese M. Dementia diagnosis in developing countries: a cross-cultural validation study. *Lancet* Mar 15 2003;361(9361):909-917.