Dr Arshad is an Assistant professor of Neurology at the National Institute of Mental Health Sciences (NIMHANS), Bengaluru, India. He is also a Senior Atlantic fellow of equity in Brain Health at University of California, San Francisco, USA. His main areas of research interest are neurocognitive disorders including Alzheimer’s Disease, Frontotemporal dementia, neurogenetics, biomarkers, advanced imaging and clinical trials related to neurocognitive disorders. As a clinician, his involvement in diagnosis and management of patients with dementia has led to establishment of a cognitive disorders registry (CDC) at NIMHANS. This is first of a kind in India. Being one of only a few cognitive neurologists in India, his aim has always been focused on promoting awareness of prevention strategies for dementia, early diagnosis, management of people living with dementia along with caregiver support and promote dementia research. He is the Convener of Cognitive Neurology Subsection of Indian Academy of Neurology (IAN) (<https://www.ianindia.org/cognitive-neurology.php>). Through this platform he organizes online Cognitive neurology sessions to demystify dementia for healthcare professionals and general public. He has various national and international research projects and collaborations. As an avid researcher with numerous publications in prestigious national and international journals. His role as a clinician and researcher has led to formation of a multidisciplinary team at NIMHANS for coordinated evidenced based holistic care for patients with dementia that also allows to translate research into clinical practice, ensuring that patients receive the most effective and up-to-date care available.

**Contributions to Science**

1. My early contributions to science were based on my clinical skills in general medicine focusing on rare presentations of various diseases and their follow-up. In addition, I also looked into effect of high blood sugars on gall bladder motility as my postgraduate research work.

1. **Arshad F**, Laway ba, bhat MA, Irfan Showkat h, Kotwal s, Ahmad Mir s. Leksell Gamma Knife: An Effec­tive Non Invasive Treatment for Rare Case of Nelson’s Syndrome. Int J Endocrinol Metab. 2013; 11(3):195-8.
2. **Arshad F**, Laway BA, Rather TA, Kuchay MS, Khan SH. Impaired gallbladder motility in adults with newly detected type 2 diabetes and lack of reversibility after achieving euglycemia. Canadian journal of diabetes. 2015 Apr 1;39(2):101-4.
3. Latief M, Dar WR, Sofi N, Dar IA, Kasana B, Hussain M, **Arshad F**, Shah BA, Koul PA. Novel risk factors and early detection of anti-tubercular treatment induced liver injury—Looking beyond American Thoracic Society Guidelines. Indian Journal of Tuberculosis. 2017 Jan 1;64(1):26-32.
4. Dar IA, Dar WR, Khan MA, Kasana BA, Sofi NU, Hussain M, **Arshad F**, et al. Etiology, clinical presentation, diagnosis and management of lower gastrointestinal bleed in a Tertiary Care Hospital in India: A retroprospective study. J Dig Endosc 2015;6:101-9.
5. Sofi, N. U., Raja, W., Dar, I. A., Kasana B., Latief, M., **Arshad, F**., Iqbal, K. (2015). Role of thiamine supplementation in patients with heart failure – An Indian perspective. Journal of Indian College of Cardiology, 5(4), 291–296.

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2. Establishing neural correlates of Frontotemporal dementia: As a neurology resident, I undertook a clinical and imaging study on social cognition in Frontotemporal dementia spectrum disorders in the Indian context. I also looked into relationship of education and bilingualism as independent predictors on cortical thickness.

1. **Arshad F**, Paplikar A, Mekala S, Varghese F, Purushothaman VV, Kumar DJ, Shingavi L, Vengalil S, Ramakrishnan S, Yadav R, Pal PK. Social Cognition Deficits Are Pervasive across Both Classical and Overlap Frontotemporal Dementia Syndromes. Dementia and Geriatric Cognitive Disorders Extra. 2020;10(3):115-26.
2. **Arshad F**., Vandana, V.P., Raghavendra, K., Jennifer, K., Saini, J., Subasree, R., Pal, P.K., Chandra, S.R., Nalini, A. and Alladi, S., 2019. Neural correlates of social cognition in frontotemporal dementia spectrum disorders. Alzheimer's & Dementia: The Journal of the Alzheimer's Association, 15(7), p.P366.

3. With Frontotemporal dementia being my main area of interest. I studied **genetics** of patients with Frontotemporal dementia and other degenerative disorders, and role of autoantibodies in people with dementia.

1. **Arshad F**, Alladi S, Kulanthaivelu K. Rapidly Progressive Behavioral Syndrome Without Spastic Paraplegia in a Patient with *SPAST* p. Pro26Thr Variant. Dementia and Neurocognitive Disorders. 2022 Apr;21(2):79.
2. **Arshad F**, Vengalil S, Nalini A, Polavarapu K, Shamim U, Jabeen S, Nagaraj C, Ramakrishnan S, Faruq M, Alladi S. Novel *TBK1* variant associated with Frontotemporal Dementia overlap syndrome. Acta Neurol Scand. 2021 Nov 28. doi: 10.1111/ane.13562
3. **Arshad F**, Vengalil S, Maskomani S, Kamath SD, Kulanthaivelu K, Mundlamuri RC, Yadav R, Nalini A. Novel *CSF1R* variant in adult-onset leukoencephalopathy masquerading as frontotemporal dementia: a follow-up study. Neurocase. 2021 Dec;27(6):484-489..
4. **Arshad F**, Prasad A, Somaraj A, Udupi GA, Ramakrishnan S, Alladi S. Novel Pathogenic Missense *NF1-*Variant Associated With Cognitive Impairment. Dement Neurocogn Disord. 2024 Jan;23(1):71-73. doi: 10.12779/dnd.2024.23.1.71. Epub 2024 Jan 17. PMID: 38362057; PMCID: PMC10864699.
5. **Arshad F**, Varghese F, Paplikar A, Gangadhar Y, Ramakrishnan S, Chaudhuri JR, Mahadevan A, Alladi S. Role of Autoantibodies in Neurodegenerative Dementia: An Emerging Association. Dement Geriatr Cogn Disord. 2021;50(2):153-160

4. With the ongoing pandemic I also studied impact of COVID in India on patients with dementia and their caregivers

1. **Arshad, F**., Singh, V., Prasad, C. et al. Alexia without agraphia in an elderly man due to stroke secondary to COVID-19 infection. Acta Neurol Belg (2022). https://doi.org/10.1007/s13760-022-02014-y
2. Netravathi M, Dhamija K, Gupta M, Tamborska A, Nalini A, Holla VV, Nitish LK, Menon D, Pal PK, Seena V, Yadav R, Ravindranadh M, **Faheem A,** Saini J, Mahadevan A, Solomon T, Singh B. COVID-19 vaccine associated demyelination &amp; its association with MOG antibody. Mult Scler Relat Disord. 2022 Mar 13;60:103739.
3. Rajagopalan, J., **Arshad, F**., Thomas, P. T., Varghese, F., Hurzuk, S., Hoskeri, R. M., Ramappa, R. B., Nair, V. S., Paplikar, A., Mekala, S., Manae, T. S., Ramanna, D., Rakesh, G., Ganeshbhai, P. V., Dhiren, S. R., Komaravolu, S., Kammammettu, C., Rao, G. N., & Alladi, S. (2022). Cognition, Behavior, and Caregiver Stress in Dementia during the COVID-19 Pandemic: An Indian Perspective. Dementia and geriatric cognitive disorders, 1–10
4. Rajagopalan, J., **Arshad, F**., Hoskeri, R. M., Nair, V. S., Hurzuk, S., Annam, H., ... & Alladi, S. (2021). Experiences of people with dementia and their caregivers during the COVID-19 pandemic in India: A mixed-methods study. Dementia, 14713012211035371
5. Rajagopalan J, Hurzuk S, **Arshad F**, Raja P, Alladi S. The COVID-19 long-term care situation in India. International Long-Term Care Policy Network. 2020.
6. COVID19 and neuropsychiatric manifestations. IAN textbook

5. In addition to the aforementioned contributions, I also underlined the need for biomarkers and various cognitive questionnaires developed in the Indian context to be validated for the diagnosis of MCI and AD.

1. Paplikar, A., Alladi, S., Varghese, F., Mekala, S., **Arshad, F**., Sharma, M., ... & ICMR-NCTB Consortium. (2021). Bilingualism and Its Implications for Neuropsychological Evaluation. Archives of Clinical Neuropsychology.
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3. Paplikar, A., Vandana, V.P., Mekala, S., **Arshad F** et al. Semantic memory impairment in dementia: A cross-cultural adaptation study. Neurol Sci (2021). https://doi.org/10.1007/s10072-021-05272-5
4. Paplikar A, Ballal D, Varghese F, Sireesha J, Dwivedi R, Rajan A, Mekala S, **Arshad F**, Kaul S, Alladi S. Assessment of Lifestyle Experiences across Lifespan and Cognitive Ageing in the Indian Context. Psychology and Developing Societies. 2020 Aug 17:0971333620937512.
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7. Krishna, G., Santhoshkumar, R., Sivakumar, P. T., Alladi, S., Mahadevan, A., Dahale, A. B., **Arshad, F**., & Subramanian, S. (2023). Pathological (Dis)Similarities in Neuronal Exosome-Derived Synaptic and Organellar Marker Levels Between Alzheimer's Disease and Frontotemporal Dementia. Journal of Alzheimer's disease: JAD, 94(s1), S387–S397. https://doi.org/10.3233/JAD-220829

6. I have also been involved in a multicentric studies, invited letters and reviews, book chapters, case series and reports.

1. **Arshad, F**., Kulanthaivelu, K., & Yadav, R. (2024). Intracranial lipoma: an incidental finding and a rare cause of secondary headache. The International journal of neuroscience, 1–4. Advance online publication. https://doi.org/10.1080/00207454.2024.2302861
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**7.** I am also involved in the discussion of clinical trials for dementia in the less represented diverse countries like India

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**Complete List of Published Work**: <https://www.researchgate.net/profile/Faheem-Arshad>