

Vascular Dementia and Dementia &

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A typical presentation of frontal temporal lobe Dementia

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A 66-year-old Caucasian lady presented to hospital with a first episode of seizure. She was found to be hyponatraemic (sodium 108mmol/L) secondary to Primary Polydipsia which she required intensive care unit (ICU) admission. Her routine blood tests and cerebral spinal fluid were normal. MRI brain showed cerebral atrophy with disproportionate involvement in medial temporal with asymmetric hippocampus, and frontal lobes.

Post ICU admission, she continued to display impairment of episodic memory, with anomia, mild fluent aphasia and deficits in executive function. She also showed signs of Behavioural Psychological symptoms of Dementia (BPSD) and displayed hyperphagic tendencies towards sugary foods. Both donepezil and memantine were trialled during her time on the ward but neither provided symptomatic benefit.

At the memory clinic post discharge, her family mentioned she had episodic memory decline over the last 4 years with an accelerated decline 6 months prior to her hospital admission. She also developed a compulsion in drinking up to 15L of

water per day. Her neuropsychometric test included: Frontal Assessment Battery 10/18, Frontier executive test 3/15 mainly affecting verbal fluency and lucia fluency. She failed in both stroop test and go-no-go test and showed signs of disinhibition and repetitive compulsive behaviour. A diagnosis of behavioural variant Frontal Temporal Lobe Dementia (bvFTD) was formally made. Memantine was stopped and trazodone was prescribed which shown some improvement in her agitation.

Speaker Biography

Ruth Akiyo Mizoguchi is a Care of the Elderly Consultant and Dementia Lead at Chelsea and Westminster NHS Foundation Trust (London, UK) after working at the Royal Free NHS Foundation Trust from 2012- 2018. She is an Honorary Senior Clinical lecturer at Imperial College where she provides dementia teaching to medical students and doctors. She originally obtained a medical degree at Tokai University School of Medicine, Japan and then completed further medical training at Imperial College, London. She received her specialist training in general internal medicine and geriatric medicine in London. During her specialist training she worked in Hong Kong for a year where she developed interest in dementia. She also gained research experience in Neuroimaging & Dementia at Imperial College. She visited UCSF Memory Aging Center, USA in 2018. She set up the Multidisciplinary team Memory Clinic with Neurologists at Chelsea and Westminster Hospital.

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