EARLY ONSET FRONTAL TEMPORAL
DEMENTIA AND ALZHEIMERS DISEASE:
DIAGNOSIS, TREATMENT AND CARE

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This thesis is presented as partial requirement for the degree of Doctor of Psychology at Murdoch University, 2007.
I declare that this thesis is my account of my research and contains as its main content work which has not previously been submitted for a degree at a tertiary education institution.

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John Rudge
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Abstract

This research investigated two groups of patients diagnosed with dementia before the age of sixty-five. The patients were diagnosed with Alzheimer’s Disease (AD, n = 25) and Frontotemporal Dementia (FTD, n = 37). Patients were assessed for approximately 3 years. The study found that FTD is a valid and useful diagnostic category, and can be reliably differentiated from AD. A combination of behavioural, neurological, and neuropsychological assessments were found to be complementary in the early and accurate diagnosis of early-onset dementia, and the differential diagnosis of FTD from AD. FTD patients were found to have relatively preserved visuo-spatial abilities compared to the AD patients. Problems associated with administering neuropsychological tests to early-onset dementia patients were highlighted. FTD patients were found to deteriorate more rapidly than AD patients, and to have significantly increased behavioural disturbances throughout the course of the illness in comparison with the AD patients. Practical guidelines to assist with care and management of early-onset dementia patients were presented. A strengths-based model of care was outlined. Individualised assessments and care plans were recommended for the development and provision of humane services to early-onset dementia patients. Issues surrounding providing palliative care were discussed.
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“In striking contrast to Alzheimer’s Disease, the majority of dementia of the frontal type patients are brought along to the clinic blissfully unaware of the major changes of personality and behaviour observed by their relatives.”

Gregory & Hodges, 1996, p.111

“The frontal lobes are both massive and neuroanatomically diverse. Their size predicates against generalisations; pathological involvement of different loci within the frontal lobes can be anticipated to produce quite different behavioural alterations. The uniqueness of the human prefrontal lobes removes the ability to use relatively clean animal studies for correlation: only human case material is valid. Thus the type of neuropathology and its relatively focal nature is of paramount importance to investigations of human frontal lobe functions”

Stuss and Benson 1986, p. 39