Clinical practice guidelines for dementia in Australia

Dementia is a National Health Priority Area in Australia. As our population ages, the number of people with dementia will increase. People with dementia have deficits in one or more of the areas of memory, communication, attention, thinking and judgement.

The quality of clinical practice in dementia care in Australia is variable. The availability of high-quality services to support workforce training, diagnosis and ongoing care, advance care planning and support for families to provide care is inconsistent.

Clinical practice guidelines can improve uptake of research findings by identifying, synthesising and disseminating evidence to clinicians. Most importantly, adherence to clinical practice guidelines can improve the quality and consistency of care.

The National Health and Medical Research Council (NHMRC) Partnership Centre for Dealing with Cognitive and Related Functional Decline in Older People was established in 2013 with funding support from the NHMRC, HammondCare, Alzheimer’s Australia, Brightwater Care Group and Helping Hand Aged Care. One of the activities of the Partnership Centre was to develop Australian clinical practice guidelines for dementia. The guidelines were adapted from existing guidelines using ADAPTE methodology to reflect the Australian context and the latest evidence. A multidisciplinary guideline committee, which included consumers, was appointed to refine the scope of the guidelines and form recommendations based on systematic reviews of the evidence.


Main recommendations

The guidelines provide 109 recommendations, categorised as evidence-based recommendations (formulated after a systematic review of the evidence), consensus-based recommendations (formed where a systematic review has failed to identify sufficient studies to inform a recommendation) and practice points (based on expert opinion). Key recommendations prioritised by the committee for implementation are presented in the Box.

Changes in management

Delays between the onset of symptoms and diagnosis of dementia are widely acknowledged. There is currently a lack of information regarding the benefits and harms of population screening for cognitive impairment. The guidelines focus on timely diagnosis by recommending that symptoms are explored when first raised by the person experiencing the symptoms and/or their carer or family and are not dismissed as “just a part of ageing”. People with a possible diagnosis of dementia should be referred to a service or specialist in dementia diagnosis (eg, a memory clinic, neurologist, geriatrician or psychiatrist).

The guidelines recommend a systematic approach to diagnosing dementia; this includes patient and informant history taking, cognitive assessment, medication review, blood tests and computed tomography or magnetic resonance imaging to exclude other cerebral pathologies. The use of single-photon emission computed tomography is not recommended. More recent diagnostic techniques using biomarkers (including the use of positron emission tomography) are not recommended for routine use.

Clinical cognitive assessment should include examination with a screening tool with established reliability and validity. A number of tools are recommended in the guidelines including the Mini-Mental State Examination. The Kimberley Indigenous Cognitive Assessment tool for Indigenous Australian people is also recommended.
remote living Aboriginal and Torres Strait Islander populations and the Rowland Universal Dementia Assessment Scale for people from non-English speaking backgrounds are recommended for use where illiteracy, language or cultural considerations deem their use appropriate.

The committee recommended review of people with mild cognitive impairment after 6–18 months. This recommendation was formulated based on an existing systematic review which found that, in a clinic setting, the annual conversion rate of mild cognitive impairment to Alzheimer disease was close to 10%.12

At the time of diagnosis of dementia, and at regular intervals subsequently, assessment should be made for medical comorbidities and key psychiatric features associated with dementia, including depression, to ensure optimal management of coexisting conditions.

The guidelines recommend comprehensive role-appropriate dementia-specific training for health and aged care professionals. Such training can improve the quality of life for the person with dementia14 and reduce restraint use14,15 by teaching staff how to understand a person with dementia and to read body language and behaviour as signs of communication and respond appropriately. The evidence supports training models that focus on understanding symptoms and behaviours and providing person-centred care.16

The guidelines recommend a greater emphasis on promoting and maintaining independence through activities of daily living, continuing exercise and supporting the person to pursue activities that are meaningful and of interest to them. Adequate nourishment and hydration through maintaining a healthy, balanced diet should be encouraged and supported. People with dementia should have their weight monitored and nutritional status assessed regularly. Oral health is important17 and, on diagnosis, the medical practitioner should recommend that the person with dementia (or their carer[s] or family) make an appointment to see a dentist to conduct an assessment and formulate a long-term treatment plan.

Acetylcholinesterase inhibitors and memantine are routinely prescribed for people with mild to moderate Alzheimer disease in order to delay functional decline, and the guidelines support their use.18 Based on recent evidence, the guidelines also state that any one of the three acetylcholinesterase inhibitors (donepezil, galantamine or rivastigmine) could also be considered for people with dementia with Lewy bodies, Parkinson disease dementia, vascular dementia or mixed dementia.19-22 The combination of an acetylcholinesterase inhibitor and memantine could be considered for managing the symptoms of functional decline for people with moderate to severe Alzheimer disease.23 Clinicians should be aware that not all of these indications are reimbursed under the Pharmaceutical Benefits Scheme and that acetylcholinesterase inhibitors are associated with a number of side effects including (but not limited to) nausea, vomiting, diarrhoea, dizziness, increased urinary frequency, falls, muscle cramps, weight loss, anorexia, headache and insomnia.24 Acetylcholinesterase inhibitors should not be prescribed for people with mild cognitive impairment.25

If people with dementia cannot express their needs through communication, they may communicate through their actions and behaviour. The guidelines recommend the need to understand the person and symptoms via a comprehensive assessment and analysis of the behaviour (eg, antecedent [triggers], behaviour description and consequence [ABC approach]). The objective measurement of behavioural and psychological symptoms of dementia should be undertaken using tools to monitor the type and patterns of behaviours. The provision of care that is consistent with the ten principles of dignity in care26 and non-pharmacological interventions should be implemented before considering use of medications. Non-pharmacological interventions should ideally involve engagement in activities that are enjoyable for the person with dementia and individualised support. Working with the carer and family to build skills in managing symptoms, communicating effectively and problem solving have been shown to be effective in reducing symptoms.27,28

A number of pharmacological treatments are recommended to complement non-pharmacological approaches when the person with dementia is severely distressed or there is an immediate risk of harm. Antidepressants are recommended when pain is suspected.29 A trial of selective serotonin reuptake inhibitors is recommended for agitation; the strongest evidence is for citalopram.30 The role of antidepressants in the treatment of depression in people with dementia is uncertain. Larger trials conducted in people with dementia have not shown benefit (in group data) for antidepressants for treatment of depression per se.31 Nevertheless, the committee considered that those with a pre-existing history of major depression (before developing dementia) who develop a comorbid major depression should be treated in the usual way.

People with Alzheimer disease, vascular dementia or mixed dementias with mild to moderate behavioural and psychological symptoms of dementia should not usually be prescribed antipsychotic medications, owing to the increased risk of cerebrovascular adverse events and death.32 For people with severe symptoms who are distressed or causing distress to others, treatment with an antipsychotic may be offered following a full discussion with the person with dementia and/or their carer(s) or family about the possible benefits and harms. Treatment should be reviewed every 4–12 weeks, considering the need for antipsychotics and possible cessation of medication.

Care for people with advanced dementia should be based on a palliative approach and involve a palliative care service if indicated. Treatment and care should be provided as per the person’s advance care plan.

Carers and families should be included in the planning, decision making and care and management of people...
with dementia. Carers are often not provided with enough support or adequate training to effectively provide care.³³ There is evidence that tailored multifaceted programs involving both the carer and the person with dementia can improve quality of life for both.³⁴ Carers should have access to programs that include education regarding dementia; information regarding relevant services such as respite; information about support organisations such as Alzheimer’s Australia; individualised care management strategies to overcome specific problems; training in providing care and communicating most effectively with the person with dementia; and support regarding coping strategies to maintain their own wellbeing, including stress management.

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References are available online at www.mja.com.au.
Clinical focus


32. Schneider LS, Dagerman KS, Insel P. Risk of death with atypical antipsychotic drug treatment for dementia: