For abstracts of the reviews below please click on the titles. There may be a link to the full text in the top right hand corner of the webpage. You may have to log in using your NHS Athens username and password, if you don’t have one go to Register for Athens and register for free.

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**NICE Guidance**

There were no new NICE guidelines published this issue.

**New and Updated Cochrane Systematic Reviews**

1)  **Latrepirdine for Alzheimer's disease**

**Authors’ conclusions:** Our meta-analysis is limited by the small number of studies, imprecision, inconsistencies between studies and likelihood of bias. Nevertheless, the evidence to date suggests that while not associated with an increased risk of adverse events compared with placebo, there is no effect of latrepirdine on cognition and function in mild-to-moderate AD patients, though there
appears to be a modest benefit for behaviour. Further studies should investigate the potential benefit of latrepirdine on neuropsychiatric symptoms in AD.

2) **Clinical symptoms, signs and tests for identification of impending and current water-loss dehydration in older people**

**Authors’ conclusions:** There is limited evidence of the diagnostic utility of any individual clinical symptom, sign or test or combination of tests to indicate water-loss dehydration in older people. Individual tests should not be used in this population to indicate dehydration; they miss a high proportion of people with dehydration, and wrongly label those who are adequately hydrated.

Promising tests identified by this review need to be further assessed, as do new methods in development. Combining several tests may improve diagnostic accuracy.

3) **Aerobic exercise to improve cognitive function in older people without known cognitive impairment**

**Authors’ conclusions:** We found no evidence in the available data from RCTs that aerobic physical activities, including those which successfully improve cardiorespiratory fitness, have any cognitive benefit in cognitively healthy older adults. Larger studies examining possible moderators are needed to confirm whether or not aerobic training improves cognition.

4) **Exercise programs for people with dementia**

**Authors’ conclusions:** There is promising evidence that exercise programs may improve the ability to perform ADLs in people with dementia, although some caution is advised in interpreting these findings. The review revealed no evidence of benefit from exercise on cognition, neuropsychiatric symptoms, or depression. There was little or no evidence regarding the remaining outcomes of interest (i.e., mortality, caregiver burden, caregiver quality of life, caregiver mortality, and use of healthcare services).

5) **Cholinesterase inhibitors for rarer dementias associated with neurological conditions**

**Authors’ conclusions:** The sample sizes of most included trials were small, and some of the results were extracted from only one study. There were no poolable data for HD, CADASIL and FTD patients and there were no results for patients with PSP. Current evidence shows that the efficacy on cognitive function and activities of daily living of cholinesterase inhibitors in people with HD, CADASIL, MS, PSP or FTD is unclear, although cholinesterase inhibitors are associated with more gastrointestinal side effects compared with placebo.

### Practice changing research, sourced from Dynamed

6) **Parkinson disease**

Updated 2015 Apr 09 09:57:00 AM: GPI and STN deep brain simulation may have similar effect on neuropsychological function in patients with advanced Parkinson disease (Neurology 2015 Mar 31)

[view update]
7) Alzheimer dementia

Updated 2015 Apr 07 12:17:00 PM: angiotensin-converting enzyme inhibitor or angiotensin receptor blocker use may slow progression of Alzheimer disease (Int J Clin Pract 2015 Feb 27 early online)

view update

Good Quality Systematic Reviews

8) Effectiveness of rehabilitation interventions in improving emotional and functional status in hearing or visually impaired older adults: a systematic review with meta-analyses
9) Single and dual task tests of gait speed are equivalent in the prediction of falls in older people: a systematic review and meta-analysis
10) [123]FP-CIT SPECT (DaTSCAN) may be a useful tool to differentiate between Parkinson's disease and vascular or drug-induced parkinsonisms: a meta-analysis
11) Treatment effects for dysphagia in Parkinson's disease: a systematic review
12) Effects of drug pharmacokinetic/pharmacodynamic properties, characteristics of medication use, and relevant pharmacological interventions on fall risk in elderly patients
13) Nonergot dopamine-receptor agonists for treating Parkinson's disease – a network meta-analysis
14) Effects of external cues on gait parameters of Parkinson's disease patients: a systematic review
15) The integrative care of Parkinson's disease: a systematic review
16) Aerobic exercise for Parkinson's disease: a systematic review and meta-analysis of randomized controlled trials
17) Meta-analysis comparing deep brain stimulation of the globus pallidus and subthalamic nucleus to treat advanced Parkinson disease
18) Efficacy of adenosine A2A receptor antagonist Istradefylline as augmentation for Parkinson's disease: a meta-analysis of randomized controlled trials
19) Aerobic exercise for Parkinson's disease: a systematic review and meta-analysis of randomized controlled trials
20) The effects of whole body vibration on mobility and balance in Parkinson disease: a systematic review
21) Depression and anxiety following deep brain stimulation in Parkinson's disease: systematic review and meta-analysis
22) Tai chi for improvement of motor function, balance and gait in Parkinson's disease: a systematic review and meta-analysis
23) Efficacy and safety of Tai Chi for Parkinson's disease: a systematic review and meta-analysis of randomized controlled trials
24) Adenosine A2A receptor antagonist istradefylline 20 versus 40 mg/day as augmentation for Parkinson's disease: a meta-analysis
25) Meta-analysis of the efficacy and safety of long-acting non-ergot dopamine agonists in Parkinson's disease
26) Vitamin D supplementation and falls: a trial sequential meta-analysis
27) Do sitters prevent falls? A review of the literature
28) Exercise and physical training improve physical function in older adults with visual impairments but their effect on falls is unclear: a systematic review
29) Effects of whole-body vibration with stochastic resonance on balance in persons with balance disability and falls history – a systematic review
30) Taichi exercise for self-rated sleep quality in older people: a systematic review and meta-analysis
31) Systematic review of health-related quality of life in older people following percutaneous coronary intervention
32) Clinical effectiveness of interventions for treatment-resistant anxiety in older people: a systematic review
33) Adherence to exercise programs for older people is influenced by program characteristics and personal factors: a systematic review

Economic Evaluations

34) A delirium risk modification program is associated with hospital outcomes
35) Cost-benefit analysis of a delirium prevention strategy in the intensive care unit
36) The economics of dementia-care mapping in nursing homes: a cluster-randomised controlled trial
37) Feeding tubes and health costs postinsertion in nursing home residents with advanced dementia
38) Economic evaluation of a multifactorial, interdisciplinary intervention versus usual care to reduce frailty in frail older people
39) Effects of home-based primary care on Medicare costs in high-risk elders
40) Cost-effectiveness of subthalamic nucleus deep brain stimulation for treatment of advanced Parkinson’s disease in Hong Kong: a prospective study
41) Cost-effectiveness of continuous subcutaneous Apomorphine in the treatment of Parkinson’s Disease in the UK and Germany
42) Continuous positive airway pressure in older people with obstructive sleep apnoea syndrome (PREDICT): a 12-month, multicentre, randomised trial
43) Prescreening with FOBT improves yield and is cost-effective in colorectal screening in the elderly
44) Cost-effectiveness of nurse-based case management versus usual care for elderly patients with myocardial infarction: results from the KORINNA study
45) Cost-effectiveness analysis of quadrivalent influenza vaccine versus trivalent influenza vaccine for elderly in Hong Kong
46) Efficacy of treatment for hyperglycemic crisis in elderly diabetic patients in a day hospital
47) Cost-effectiveness of programs to eliminate disparities in elderly vaccination rates in the United States
48) Cost-effectiveness of vaccinating the elderly and at-risk adults with the 23-valent pneumococcal polysaccharide vaccine or 13-valent pneumococcal conjugate vaccine in the UK

Reports and Statistics

49) Dementia Awareness Week 18-24 May 2015

NHS Employers are supporting Dementia Awareness Week and have published new resources and thought pieces aimed at employers and employees with caring responsibilities. These guides and
real life experiences aim to help employees to continue in their role within the NHS and support a clear commitment to providing an inclusive workforce. The week is coordinated by the Alzheimer’s Society, and aims to raise awareness and understanding of dementia, offering support and services to those living with dementia.

50) Dementia friendly days out

Care UK has published a new guide *Good to Go: a guide to dementia friendly days out*. It is aimed at transforming the experiences of those caring for loved ones living with dementia and provides information to overcoming the challenges of getting out and about. This book shows how important it is for those living with dementia - and their carers - to get out and about; it explains how to plan trips and how to make the most out of every outing.

51) Dementia Assessment and Referral data collection – January 2015

The January 2015 data for the Dementia Assessment and Referral data collection in England by NHS England were released on the 1st April 2015 according to the arrangements approved by the UK Statistics Authority.

52) Dementia Assessment and Referral data collection – February 2015

The February 2015 data for the Dementia Assessment and Referral data collection in England by NHS England were released on the 6th May 2015 according to the arrangements approved by the UK Statistics Authority.

53) People will live longer than official figures suggest

A new study forecasting how life expectancy will change in England and Wales has predicted people will live longer than current estimates.

54) Later Life in the United Kingdom May 2015 - AgeUK

Leicester publications

55) Smell identification function and Alzheimer’s disease: a selective review

Older People’s Health in the news – media stories explained

56) UK life expectancy expected to rise to late 80s by 2030
57) Blood test could provide an early arthritis warning

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