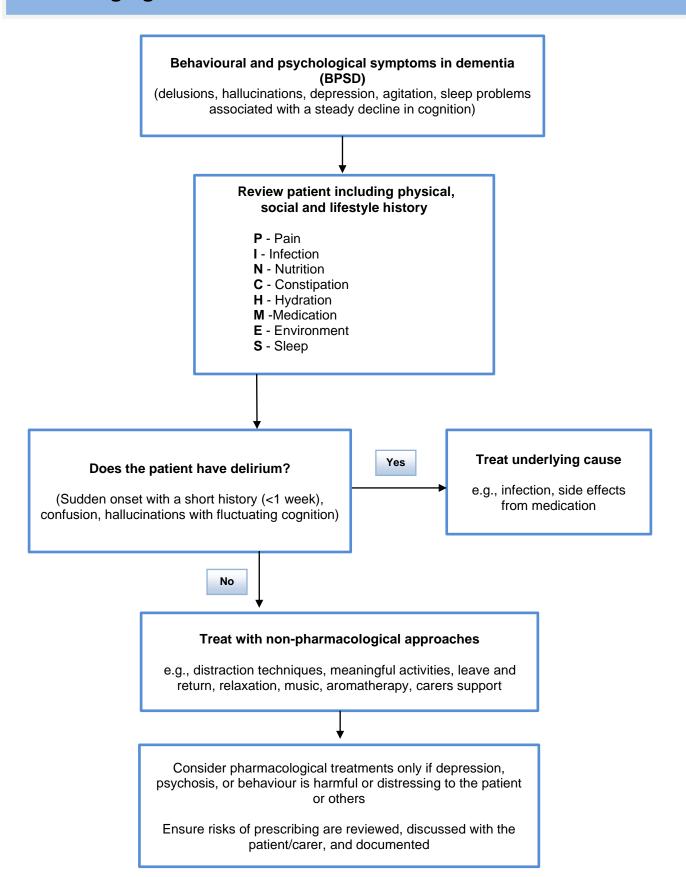


DERBYSHIRE JOINT AREA PRESCRIBING COMMITTEE (JAPC)

Managing Behavioural Problems in Patients with Dementia



Summary of treatment options

Alzheimer's

Key Symptom	First Line	Second Line	
Depressive	Citalopram	Sertraline, Mirtazapine	
		Aripiprazole, Olanzapine,	
Psychotic	Risperidone	Haloperidol,	
		Memantine	
		Aripiprazole, Olanzapine,	
Aggression	Risperidone	Haloperidol,	
		Carbamazepine,	
		Memantine	
Moderate		Sertraline	
Agitation/Anxiety	Citalopram	Trazodone	
		Memantine	
		Olanzapine, Haloperidol,	
Severe Agitation/ Risperidone		Memantine,	
Anxiety		Short term benzodiazepine as adjunct or alone	
		Temazepam	
Poor Sleep	Zopiclone	Trazodone	

Dementia with Lewy Bodies or Parkinson's disease dementia

Dementia with Lewy Bodies or Parkinson's disease dementia					
Key Symptom	First Line	First Line	Second line	Second Line	
	Parkinson's	Lewy Body	Parkinson's	Lewy Body	
Depressive	Citalopram		Sertraline		
Psychotic	Rivastigmine ^L Donepezil, Memantine Galantamine	Rivastigmine, Donepezil, Galantamine	Quetiapine Aripiprazole Clozapine	Benzodiazepine short term adjunct to 1 st line agent or alone	
Aggression	Rivastigmine ^L Donepezil, Memantine Galantamine	Rivastigmine, Donepezil, Galantamine	Quetiapine Aripiprazole Memantine	Benzodiazepine short term adjunct to 1 st line agent or alone	
Moderate Agitation/ Anxiety	Rivastigmine ^L Donepezil, Memantine Galantamine	Citalopram	Citalopram	Rivastigmine, Donepezil, Memantine Galantamine	
Severe Agitation/ Anxiety	Rivastigmine ^L Donepezil, Memantine Galantamine	Rivastigmine, Donepezil, Memantine Galantamine	Quetiapine Short term benzodiazepine as adjunct or alone	Benzodiazepine short term adjunct to 1 st line agent or alone	
Poor sleep	Zopiclone				
REM sleep behaviour disorder	Clonazepam Melatonin (Circadin MR) GREY following specialist recommendation.				

 $^{^{\}rm L}-$ licensed for indication. All other medications unlicensed but recommended by NICE NG71

Vascular dementia or stroke related dementia

There is little evidence base for the pharmacological treatment of BPSD in these dementias. The cholinesterase inhibitors (Donepezil, Rivastigmine, Galantamine) and Memantine are not licensed in vascular dementia and should not be used. Prescribers are advised to follow the guidance for Alzheimer's Disease keeping mindful of the increased cerebrovascular risk associated with antipsychotics.

Other BPSD and other dementias (e.g., Fronto-temporal lobe dementia)

There is little evidence base for the treatment of other BPSD or for the treatment of common BPSD in other dementias. Seek Specialist advice.

Dose guidelines in dementia

	Starting dose	Maximum dose	
Risperidone	250 micrograms twice daily	1mg twice daily	
Haloperidol	500 micrograms twice daily, check ECG	1.5mg twice daily	
Aripiprazole	2.5mg once daily to 5mg once daily Cross-titrate if switching antipsychotic Wait 2-3 weeks to assess response (long half-life)	10mg once daily	
Olanzapine	2.5mg once daily	10mg once daily	
Quetiapine	12.5mg twice daily	100mg twice daily	
Clonazepam	250 microgram nocte	2mg nocte	
Trazodone	50mg per day	150mg nocte (sleep) 300mg/day (anxiety)	

Behavioural and psychological symptoms in dementia (BPSD) are a spectrum of symptoms including delusions, hallucinations, depression, agitation, sleep problems associated with a steady decline in cognition that can be distressing to the patient and those around them. This guideline does not cover drug management of acutely disturbed patients with dementia requiring parenteral medication (rapid tranquilisation).

Prior to treating with non-pharmacological and pharmacological options, the patient should be reviewed, and other possible causes of the distress should be ruled out or treated where appropriate e.g., urinary tract infection, environmental causes, side effects to medication or withdrawal from drugs or alcohol. If a sudden onset with fluctuating cognition and psychotic symptoms this is likely to be delirium. See the NICE delirium guidance for more information and treat cause accordingly.

The PINCHMES mnemonic can be useful in identifying possible causes of the distress/delirium.

- P Pain
- I Infection
- N Nutrition
- C Constipation
- H Hydration
- M Medication
- E Environment
- S Sleep

Once a delirium has been treated or ruled out, the patient should be reviewed ensuring adequate knowledge of the patients social and lifestyle history. Non-pharmacological approaches should be considered first line e.g., distraction techniques, meaningful activities, leave and return, relaxation, music, aromatherapy and carers support.

If the symptoms are over 6 months in duration with a history of vivid visual hallucinations, Parkinson's Disease or fluctuating cognition, the patient maybe experiencing Lewy Bodies or Parkinson's Disease Dementia. If unsure specialist help should be sought.

Pharmacological treatment should only be considered if the symptoms are harmful or distressing to the patient or others. If symptoms are complex or prolonged, refer to local older adult community mental health team.

Prescribing considerations

- Using an antipsychotic to manage BPSD may worsen cognitive function and may also increase the risk of cerebrovascular events (~3x) and the mortality rate (~2x). For every 1,000 dementia patients treated with an antipsychotic for 12 weeks, it is estimated up to 200 may show improvement in BPSD but up to an additional 18 people may suffer a stroke (half of which may be severe) and an additional 10 may die. Antipsychotics should be reserved for severe symptoms unresponsive to non-pharmacological strategies (ref.1)
- Antipsychotics should only be used after a full and documented discussion with the patient (if has
 capacity to understand treatment) and/or family/carer about possible benefits and likely risks. Risk is
 likely to increase with increasing age and if other risk factors are present e.g., diabetes, hypertension,
 cardiac arrhythmias, smoking and existing evidence of stroke or transient ischaemic attack (TIA) or
 vascular dementia.
- There is evidence that mortality is greater with first generation antipsychotics e.g., Haloperidol than with second generation antipsychotics e.g., Risperidone (ref.2). Give preference to a second-generation agent. Use ultra-low dose (usually half the normal elderly dose) and increase every 2-4 days if no response (see specific dose suggestions on summary page)
- Patients who respond to treatment should have the drug cautiously withdrawn after 6 weeks. Halve the
 dose for one week and if no symptoms emerge stop the drug. Review after 1 week. If symptoms reemerge reintroduce the drug at starting dose. BPSD can persist and treatment with an antipsychotic
 may be needed in the long term but should be reviewed every 3 months.
- Evidence from WHELD program (ref. 3) indicates antipsychotic reduction and discontinuation may only
 derive benefit when combined with person-centred non-pharmacological interventions of social
 interaction or exercise aiming for at least 1hour/ week
- Antipsychotics do not help with repetitive vocalisations, wandering, social withdrawal, distress and anxiety during personal care or disinhibition.
- Patients with Dementia with Lewy Bodies or Parkinson's Disease Dementia are particularly vulnerable to antipsychotic sensitivity reactions and may have marked extrapyramidal side effects
- The use of anti-depressants and hypnotics for BPSD has little evidence base and should follow existing
 guidelines for their use in elderly patients without dementia. Both are associated with an increased
 risk of falling; a personalised risk/benefit evaluation is essential, with appropriate follow up monitoring
 and review. Treatment doses should follow BNF guidelines
- Memantine may be started in patients already prescribed an acetylcholinesterase inhibitor

• **Risperidone** is licensed specifically for up to 6 weeks' treatment of aggression in Alzheimer's. **Haloperidol** is licensed for persistent aggression and psychotic symptoms in Alzheimer's and vascular dementia for up to 6 weeks. For other symptoms, drugs are used which either have been shown to improve BPS in non-dementia subjects or are licensed for cognitive enhancement in dementia.

If problems continue, or for further advice, contact local Older Adult Psychiatry Specialist in DHCFT: Kingsway Hospital (Derbyshire South) Tel. 01332 623700 or Derbyshire North Tel. 01246 515964 or High Peak Tel. 01298 24149

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