

Management of Behavioural Symptoms of Dementia in Long-term Care



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Faculty/Presenter Disclosure



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Disclosure of Commercial Support



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Key Objectives



By the end of the presentation, the participant is expected to be able to:

- 1.) Understand factors that contribute to the development of neuropsychiatric symptoms (NPS);
- 2.) Review recent developments in non-pharmacological and pharmacological treatments for NPS;
- 3.) Apply this knowledge in clinical settings.



Neuropsychiatric Symptoms

- Non-cognitive symptoms associated with dementia
- Also known as Behavioral and Psychological Symptoms of Dementia (BPSD)
 - International Psychogeriatrics Association 1996 “Signs and symptoms of disturbed perception, thought content, mood, or behavior that frequently occur in patients with dementia”¹

1. Finkel, Int Psychogeriatr, 1996; 8(suppl 3):497-500



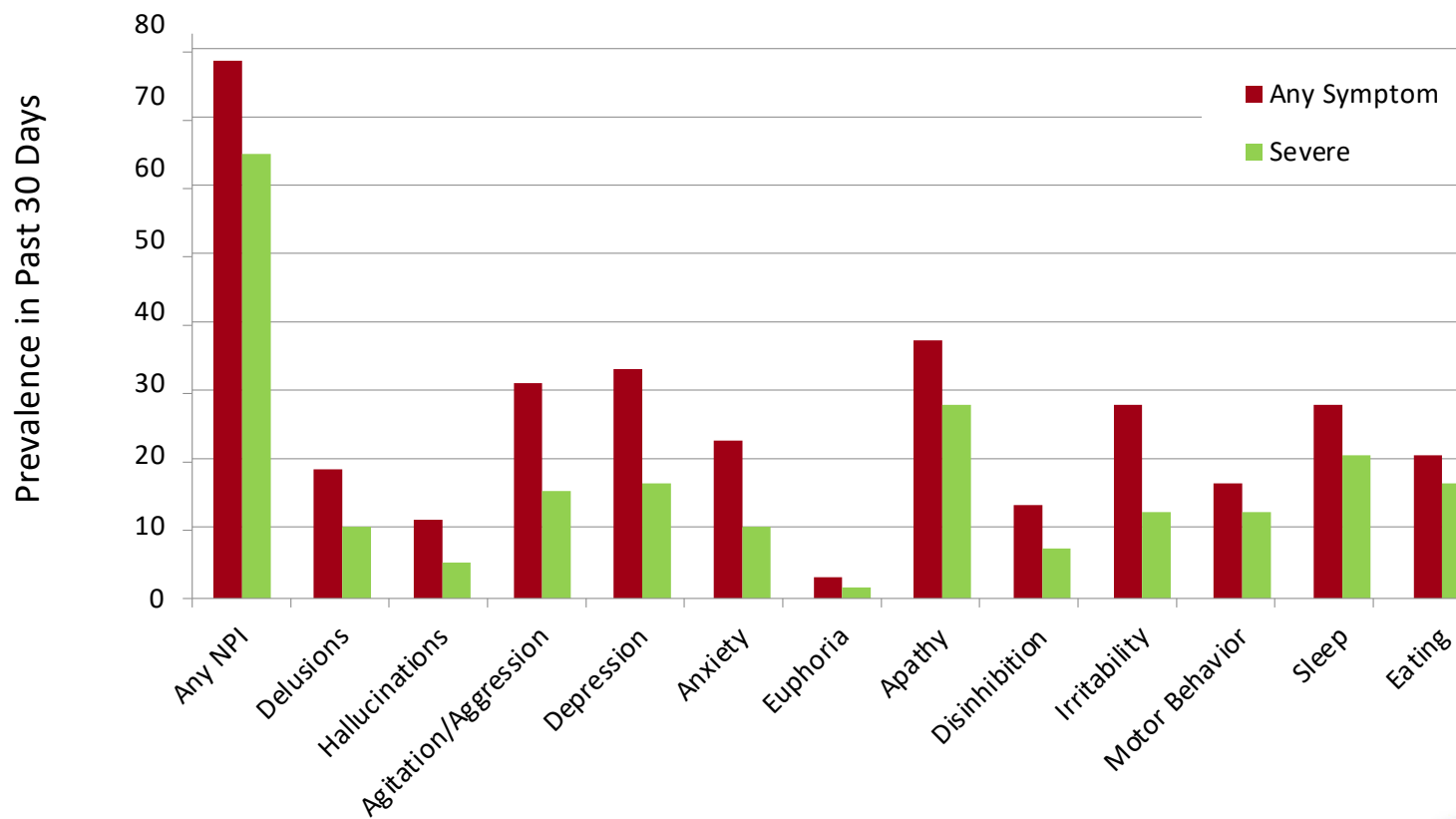
Alzheimer’s Association Classification

- Agitation
 - “inappropriate verbal, vocal, or motor activity that is not an obvious expression of need or confusion”¹
- Psychosis
 - Delusions, hallucinations
- Depression
- Apathy
 - “absence of responsiveness to stimuli as demonstrated by a lack of self-initiated action”
- Sleep

1. Cohen-Mansfield, J Gerontol, 1989



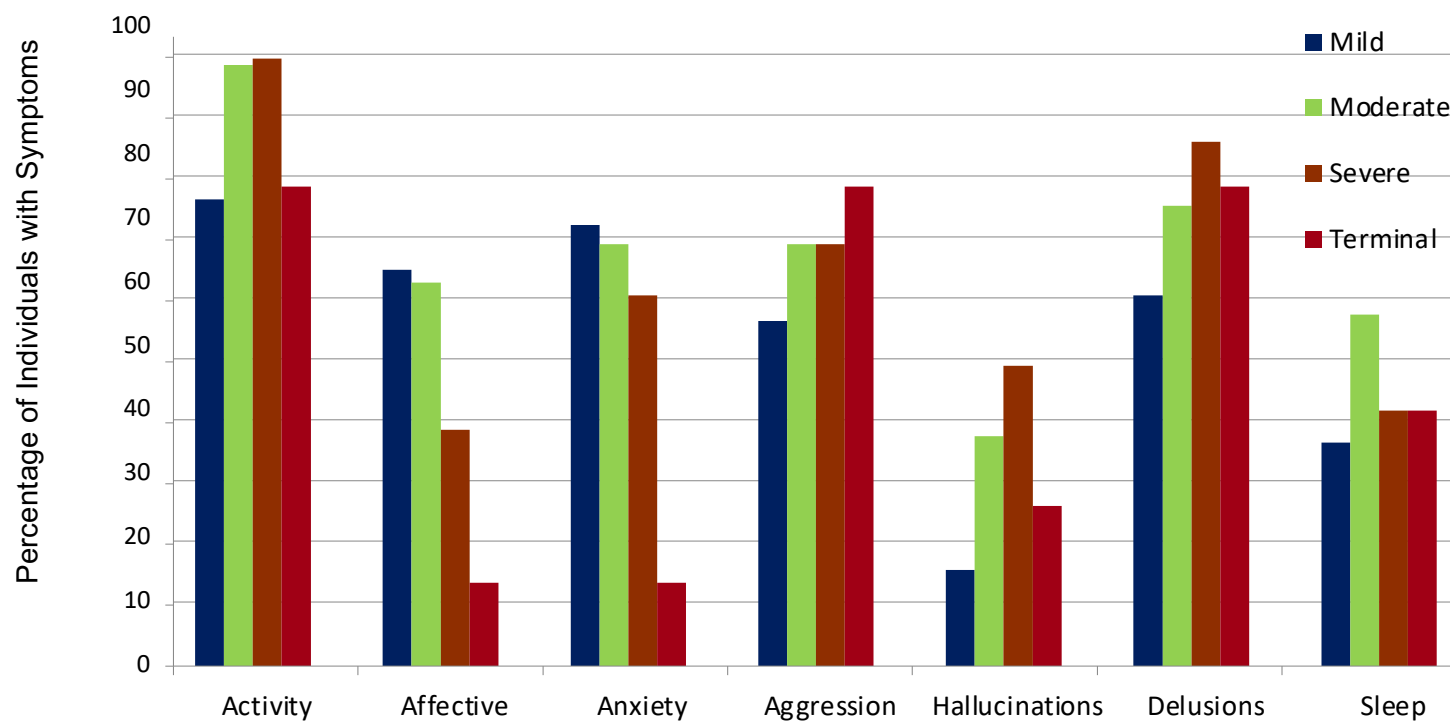
Prevalence of NPS in Alzheimer's Disease



Lyketsos, JAMA, 2002



Associations with Stage of Illness



Chen, Am J Geriatr Psychiatry, 2000



Persistence of NPS

- Neuropsychiatric symptoms are often chronic^{1,2}
 - More likely to persist: delusions, depression, aberrant motor behavior
 - Less likely to persist: hallucinations, disinhibition

1. Steinberg, Int J Geriatr Psychiatry, 2004
2. Aalten, Int J Geriatr Psychiatry, 2005

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Associations with Progression and Mortality

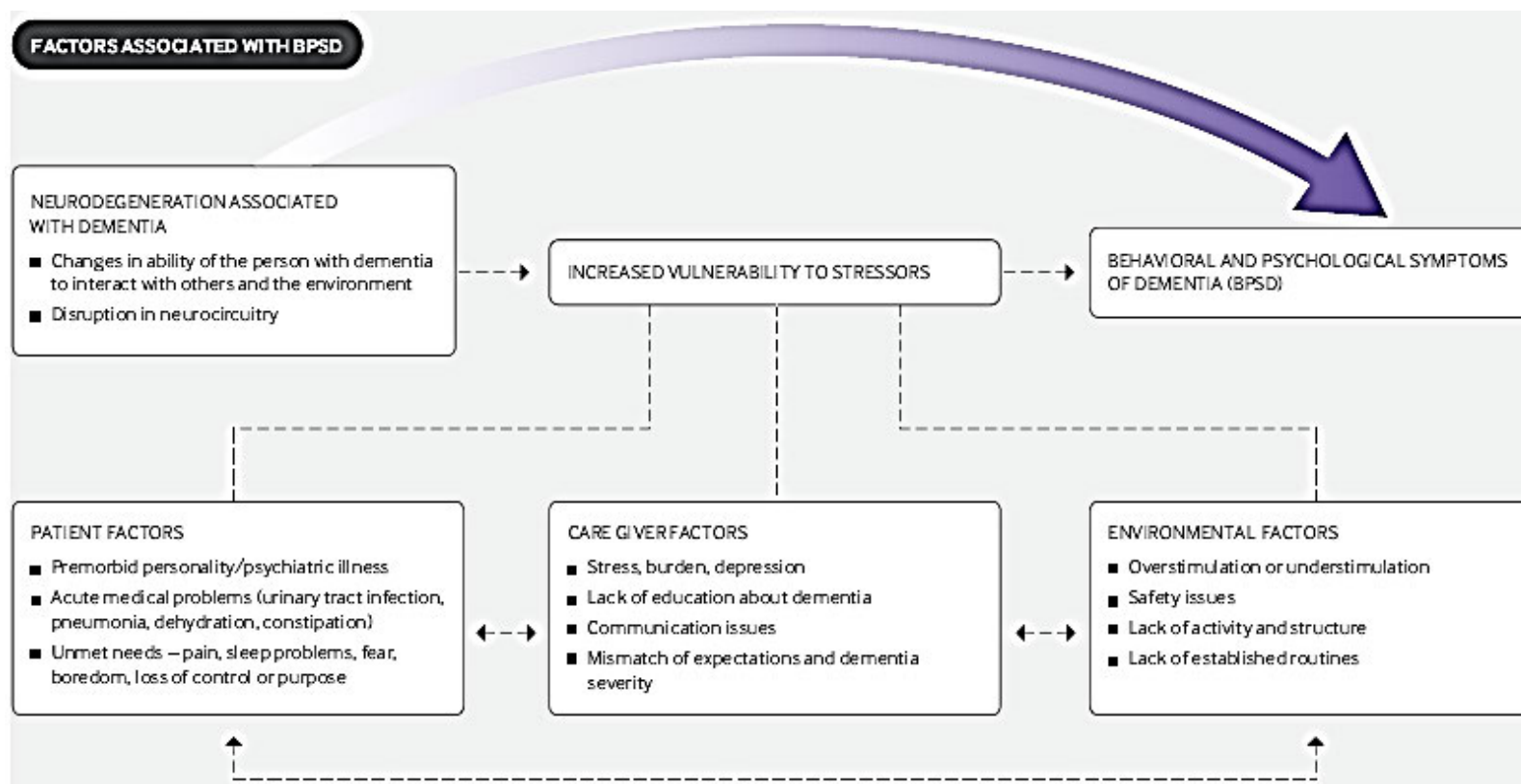


	Severe Dementia (Hazard Ratio)	P value	Mortality (Hazard Ratio)	P value
Psychosis	2.00	0.03	1.54	0.01
Affective	1.51	0.1	1.51	0.003
Agitation/ Aggression	2.95	0.04	1.94	0.004
Apathy	1.55	0.17	1.26	0.21
Any significant NPS	2.68	0.001	1.95	<0.001

Peters, Am J Psych, 2015

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Understanding NPS



Kales, BMJ, 2015



Psychological Theories of NPS

- Lowered Stress Threshold¹
- Learning Theory²
- Unmet needs → Tailored interventions³
 - Verbal agitation – pain, depression
 - Physically non-aggressive agitation - stimulation
 - Physically aggressive agitation – avoiding discomfort

1. Hall, Arch Psych Nurs, 1987
2. Cohen-Mansfield, Am J Geriatr Psych, 2001
3. Cohen-Mansfield, Am Care Quarterly, 2000

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DICE Approach

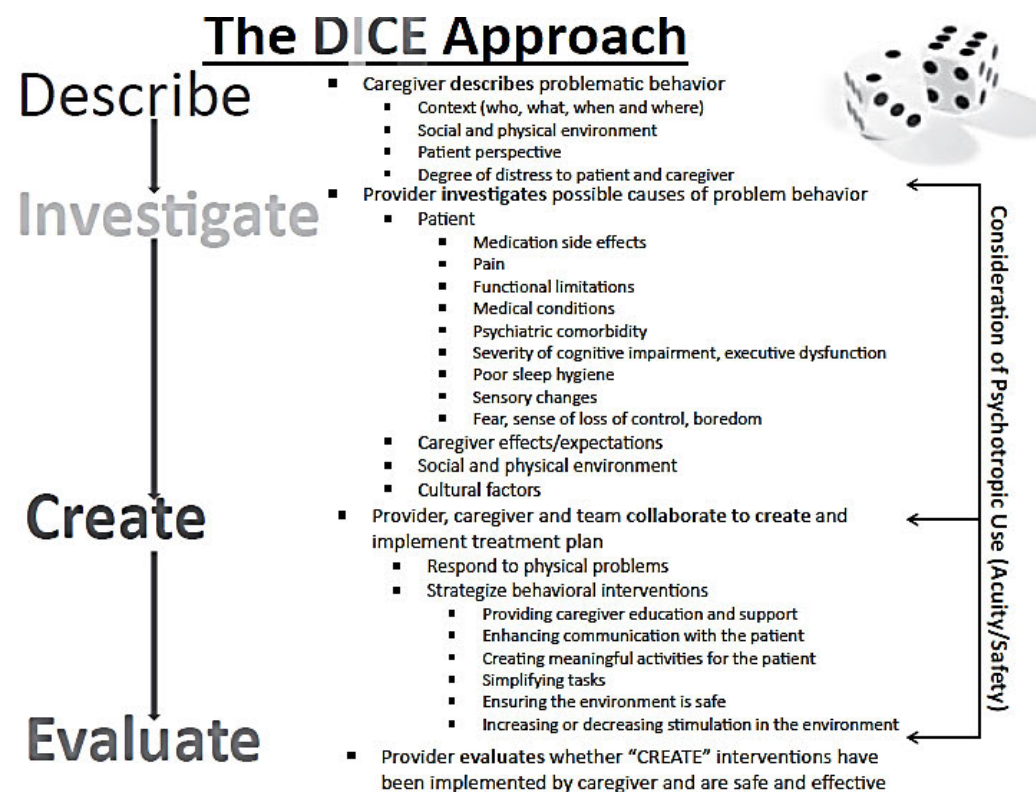
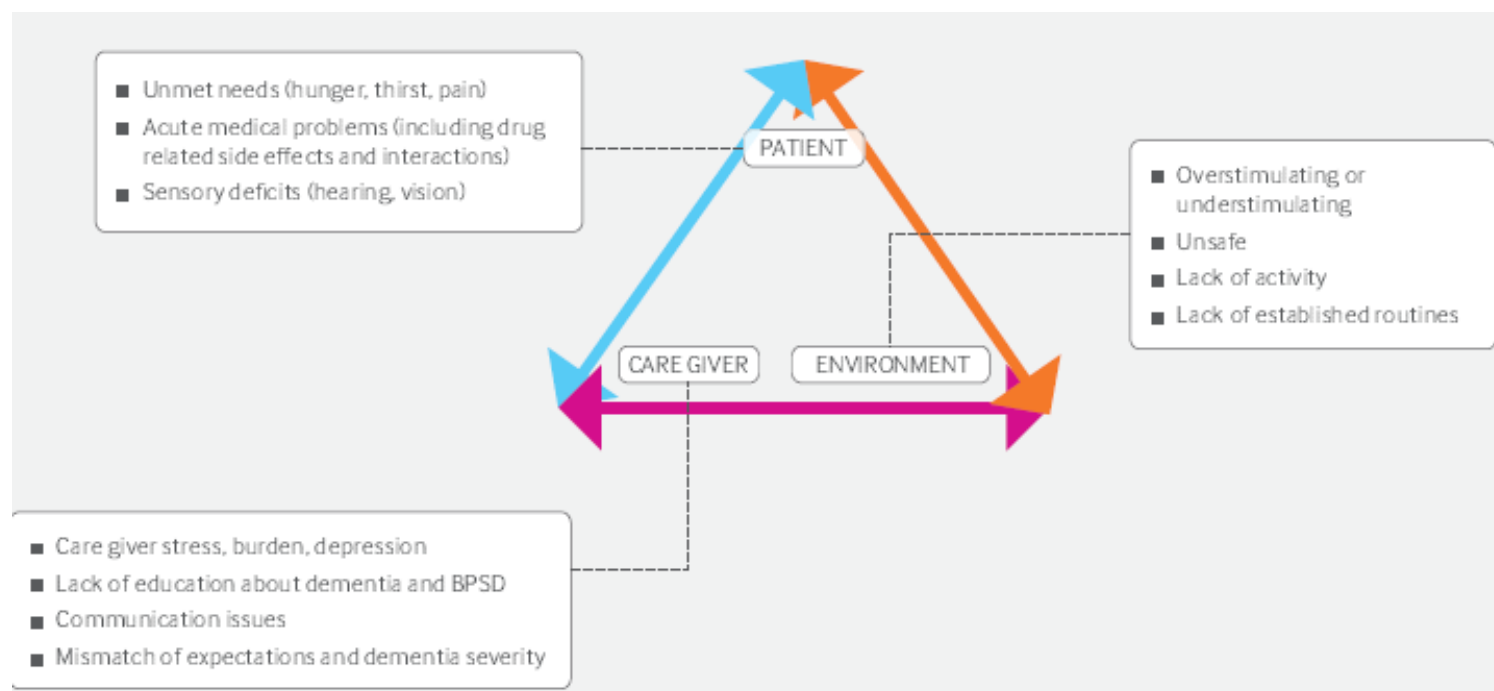


Figure 1. The DICE Approach.

Kales, JAGS, 2014

DICE APPROACH



Kales, BMJ, 2015

Pain in Dementia



- Pain is common and undertreated in older adults
 - 50 – 80% of individuals in LTC have pain¹
- Assessment of pain in individuals with advanced dementia particularly challenging
 - Pain can present as agitation
 - Language and communication difficulties
 - Recall of pain and changes over time

1. Fox, CMAJ, 1999

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Pain Treatment Protocol

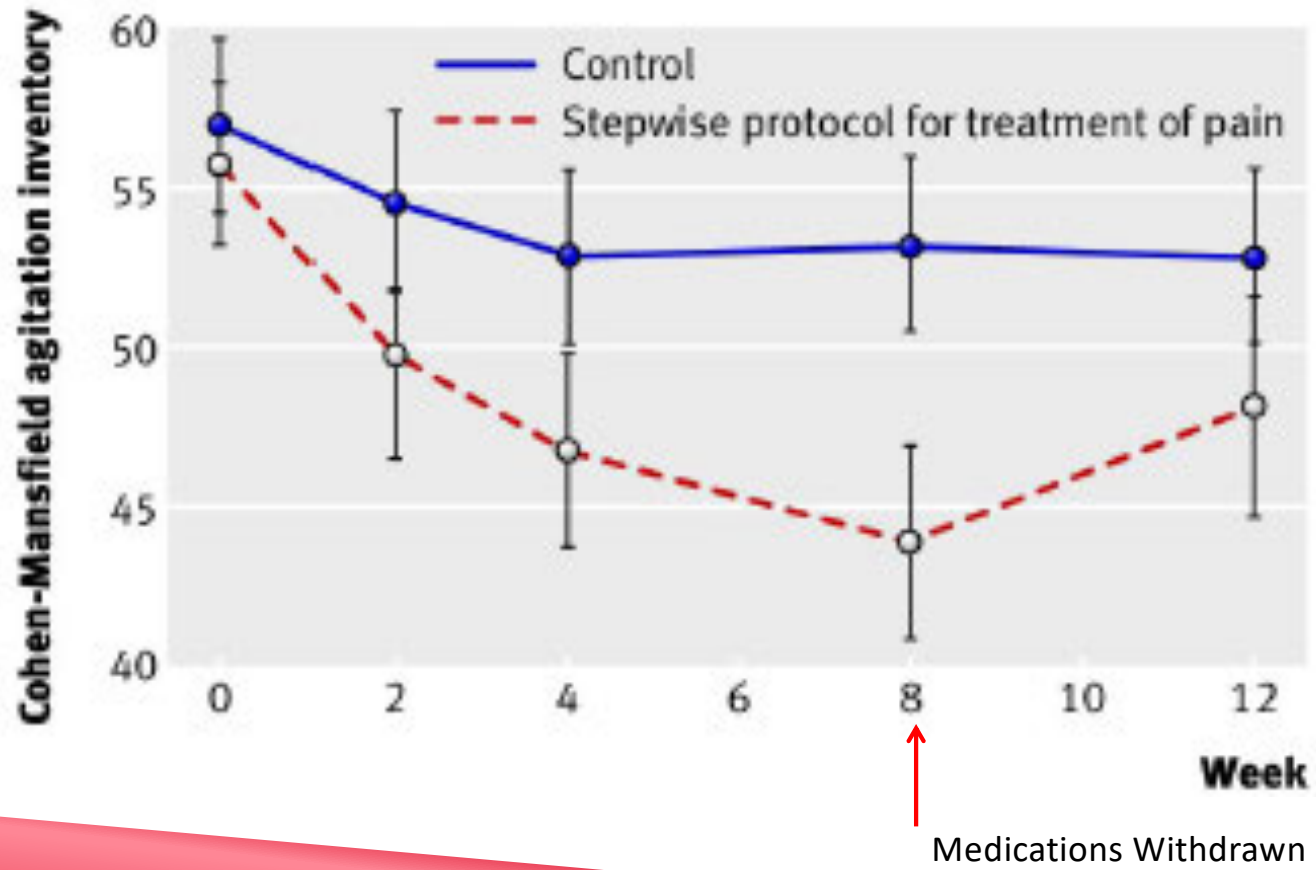


Step	Pain Treatment at Baseline	Study Treatment	Dosage	Number (%) of residents (N=175)
1	No analgesia, or low dose acetaminophen	Acetaminophen	Max 3g/day TID	120 (69)
2	Full dose acetaminophen or low-dose morphine	Morphine	5 mg BID, max 10 BID	4 (2)
3	Low-dose buprenorphine or unable to swallow	Buprenorphine patch	5 mcg/h, max 10 mcg/h	39 (22)
4	Neuropathic pain	Pregabalin	25 mg OD, max 300 OD	12 (7)

1. Husebo, BMJ, 2011

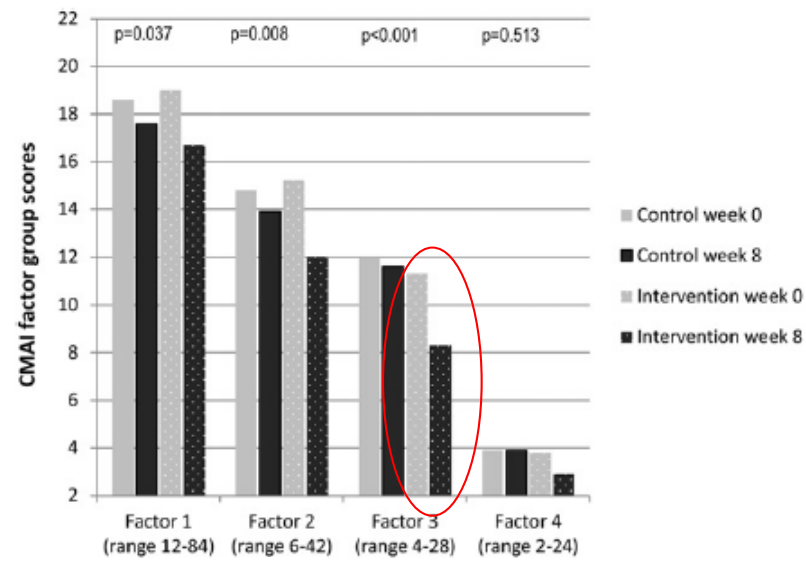
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1. Husebo, BMJ, 2011

Pain and Agitation Symptoms



Physically Aggressive
Agitation

Physical Non-aggressive
Agitation

Verbal Agitation

Husebo, AJGP, 2013



General Principles To Managing NPS

- Non-pharmacological treatments should be used first whenever available
- Even when NPS are caused by specific etiologies (pain, depression, psychosis) non-pharmacological interventions should be utilized with medications
- All non-pharmacological interventions work best when tailored to individual needs and background
- Family and caregivers are key collaborators and need to be involved in treatment planning

IPA BPSD Guide, Module 5, 2010

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Nonpharmacological Interventions

- Training caregivers or staff
- Mental health consultations
- Participation in pleasant events
- Exercise
- Music
- Sensory stimulation (e.g. touch, Snoezelen, aromatherapy)

Cohen-Mansfield, Am J Geriatr Psychiatry, 2001
Livingston, Am J Psychiatry, 2005
Seitz, JAMDA, 2012

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Training Caregivers and Staff

- Some staff and caregiver training approaches are effective in reducing NPS¹⁻³
- Also referred to as patient-centred care
- Most training programs involve education about dementia symptoms
- Communication strategies to avoid confrontation
- Strategies for redirection and distraction
- Often incorporate *personalized* pleasant events into interactions

1. McCallion, *Gerontologist*, 1999
2. Chenoweth, *Lancet Neurology*, 2009
3. Testad, *J Clin Psychiatry*, 2010

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Participation in Pleasant Events

- 1-to-1 interaction with personalized pleasant events has been demonstrated to reduce NPS¹
 - Given 3X/week – 20 – 30 minutes/session
- Participation in group “validation therapy” may also be beneficial²

1. Lichtenberg, *Gerontologist*, 2005
2. Toseland, *J Appl Gerontol*, 1997

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Exercise



- Exercise programs have been demonstrated to reduce NPS in LTC residents¹⁻³
- Training caregivers in behavioral management and exercise program improved physical functioning of person with dementia and depressive symptoms⁴
 - 30 minutes/day was recommended
 - Exercise program included strength, flexibility, aerobic activity, balance

1. Alessi, J Am Geriatr Soc, 1999
2. Landi, Arch Gerontol Geriatr, 2004
3. Williams, Am J Alzheimer Dis Other Dementi, 2007

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Music



- Group music with movement or individualized music therapy are effective in reducing NPS^{1,2}
- 30 minutes 2 – 3 times/ week
 - May use prior to times of increased agitation
- *Personalized* music more effective than generic music

1. Sung, *Complement Ther Med*, 2006
2. Raglio, *Alzheimer Dis Assoc Disord*, 2008

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Sensory Stimulation

- Therapeutic touch or gentle massage may relieve symptoms of agitation^{1,2}
- Snoezelen (multisensory stimulation) providing tactile, light, olfactory, or auditory stimulation³
- Aromatherapy with massage
 - 1 positive⁴ and 1 negative⁵ RCT

1. Hawranik, *West J Nurs Pract*, 2008
2. Woods, *Alter Ther Health Med*, 2005
3. Van Weert, *J Am Geriatr Soc*, 2005
4. Ballard, *J Clin Psychiatry*, 2002
5. Burns, *Dementia Geriatr Cogn Disord*, 2011

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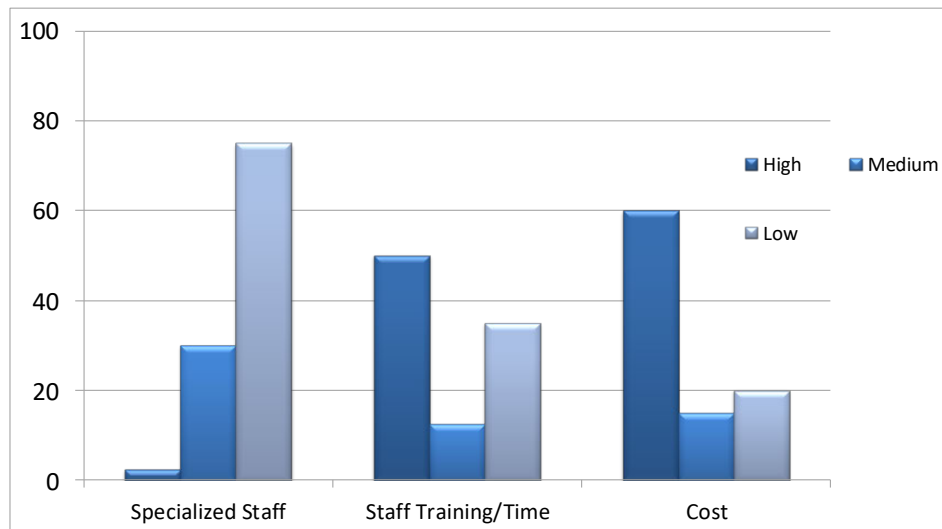


Limitations of Psychosocial Treatments

- Modest effects of treatments
- Effectiveness for aggression and psychosis may be limited
 - Agitation, depressive symptoms, apathy may be more likely to respond
- May required prolonged and sustained implementation for effects to be realized
- Many interventions have only been evaluated in small studies, methodological quality is limited

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Feasibility of Non-Pharmacological Interventions



Seitz, *JAMDA*, 2012

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Pharmacological Management of NPS



- Medications should be used for severe NPS or patient safety, in conjunction with non-pharmacological approaches
- Prescribing requires assessment of capacity and informed consent
- Dosages are lower than that used in younger populations and need to be adjusted cautiously
- Elderly with dementia are more susceptible to some side-effects such as sedation, cognitive decline, EPS

International Psychogeriatrics Association, BPSD Guide, Module 6

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NPS that May Respond to Medications

- Aggression*
- Agitation*
- Psychosis*
- Depression
- Anxiety
- Apathy
- Sleep

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MEDICATIONS FOR Agitation/Aggression and Psychosis

- Atypical antipsychotics
- Typical antipsychotics (conventional)
- Antidepressants
 - SSRIs
 - Trazodone
- Cognitive Enhancers
- Other medications

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Atypical Antipsychotics

- *Risperidone, aripiprazole, and olanzapine* have the strongest evidence to treat psychosis and agitation in dementia^{1,2}
- Number needed to treat for significant improvement: 5 – 14
- Odds ratio for significant improvement compared to placebo: 1.5 – 2.5

1. Schneider, *Am J Geriatr Psychiatry*, 2006
2. Ballard, *Coch Database Syst Rev*, 2008
3. Fontaine, *J Clin Psych*, 2003
4. Tariot, *Am J Geriatr Psychiatry*, 2006
5. Verhey, *Dementia Geriatr Cogn Disord*, 2006

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Antipsychotics for Dementia: CATIE-AD



- Large RCT (N=421) of outpatients with Alzheimer's comparing risperidone, olanzapine, quetiapine and placebo for psychosis, agitation or aggression over 36 weeks
- Outcomes:
 - Time to discontinuation due to any cause
 - Global impression
 - Adverse events

1. Schneider, *New Eng J Med*, 2006

CATIE-AD



- No difference in groups on time to discontinuation due to any cause
- Olanzapine and risperidone > placebo and quetiapine on discontinuations due to lack of efficacy
 - Overall discontinuation rate of 63% by 12 weeks
- Discontinuations due to adverse events favored placebo
- No difference in rates of global clinical improvement

1. Schneider, *New Eng J Med*, 2006

NPS that Respond to Antipsychotics



- Olanzapine and risperidone associated with overall improvement in NPS¹
 - Hostility, psychosis, agitation most likely to improve

1. Sultzer, *Am J Psychiatry*, 2008

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Atypical Antipsychotics Dosing

	Initial Dose	Titration Schedule	Maximum dosage
Risperidone	0.5 mg total (given OD or BID)	0.25 - 0.5 mg every 3 – 7 days	2 mg
Olanzapine	2.5 – 5.0 mg OD	2.5 – 5.0 mg every 3 – 7 days	10 mg
Aripiprazole	2 – 5 mg	2 – 5 mg every 3 – 7 days	10 mg
Quetiapine	12.5 mg BID	25 mg in divided doses every 3 – 7 days	200 mg

Consider switching antipsychotics if no benefit or limited benefit observed after 2 weeks of therapeutic dose

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Serious Adverse Events

- Mortality: OR=1.6, absolute risk ~1%^{1,2}
 - Number needed to harm: 100
 - Infections, cardiovascular events
- Stroke: RR=2.7, absolute risk~1%^{2,3}
- Any serious adverse events within 30 days⁴
 - Atypical: 13.9% (OR: 3.5, 3.1 – 4.1)
 - Typical: 16% (OR=4.2, 95% CI: 3.7 – 4.8)
 - No antipsychotic: 4.4%

1. Schneider, JAMA, 2005
2. Schneider, Am J Geriatr Psychiatry, 2006
3. Herrmann, CNS Drugs, 2005
4. Rochon, Arch Intern Med, 2008

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Brexpiprazole



Efficacy and safety of brexpiprazole for the treatment of agitation in Alzheimer's dementia: two 12-week, randomized, double-blind, placebo-controlled trials

George T Grossberg, MD¹

Eva Kóhegyi, MD²

Victor Mergel, PhD³

Mette Krog Jøssassen, PhD³

Didier Meulien, MD³

Mary Hobart, PhD³

Mary Slomkowski, PharmD³

Ross A Baker, PhD³

Robert D McQuaid, PhD³

Jeffrey L Cummings, MD, ScD⁴

Affiliations

Grossberg, AJGP, 2019

Two 12 week RCTs of brexpiprazole for tx of agitation in dementia (N: 433, N = 270)

- Fixed or flexible dosing up to 2 mg daily

Brexpiprazole 2 mg daily more effective than placebo on CMAI (- 3 to -5 on CMAI)

Common Adverse Events



- Somnolence: OR=2.8, absolute risk~10%¹
- Gait changes: OR=3.2, AR=10%¹
- Falls and fractures: OR = 1.5 – 2.0
- Extrapyramidal symptoms¹
 - Risperidone
- Weight gain, dyslipidemia^{2,3}
 - Greatest risk with olanzapine and quetiapine, women at highest risk

1. Schneider, Am J Geriatr Psychiatry, 2006
 2. Schneider, N Eng J Med, 2006
 3. Zheng, Am J Psychiatry, 2009



Cognitive Effects of Antipsychotics

- Atypical antipsychotics associated with a MMSE score - 2.4 over 36 weeks compared to placebo¹
 - Equivalent to approximately 1 year additional decline
- MMSE -1 point over 8 – 12 week trials²
 - Often LTC population with low MMSE at baseline

1. Vigen, *Am J Psychiatry*, 2011
2. Schneider, *Am J Geriatr Psychiatry*, 2006

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Typical Antipsychotics

- Effective in reducing symptoms of aggression, agitation and psychosis¹⁻³
- Adverse event rates higher with typicals when compared to atypicals
- Risk of stroke^{4,5} and death^{6,7} similar to atypical antipsychotics

1. Schneider, *J Am Geriatr Soc*, 1990
2. Lanctot, *J Clin Psychiatry*, 1988
3. Loneragan, *Cochrane Data Syst Rev*, 2002
4. Gill, *BMJ*, 2005
5. Herrmann, *Am J Psychiatry*, 2004
6. Wang, *N Eng J Med*, 2005
7. Gill, *Ann Intern Med*, 2007

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Selective Serotonin Reuptake Inhibitors

- SSRIs have some benefits in treating agitation, psychosis and other NPS¹ (N=7)
- Citalopram more effective than placebo in reducing NPS²
 - Doses of 20 – 30 mg daily (Note: FDA warning about citalopram doses above 20 mg daily)
- Sertraline had modest effect on agitation compared to placebo³
 - Doses 25 – 100 mg daily

1. Seitz, Cochrane Data Syst Rev, 2011
2. Pollock, Am J Psychiatry, 2002
3. Finkel, Int J Geriatr Psychiatry, 2004

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Citalopram for Agitation: CITAD

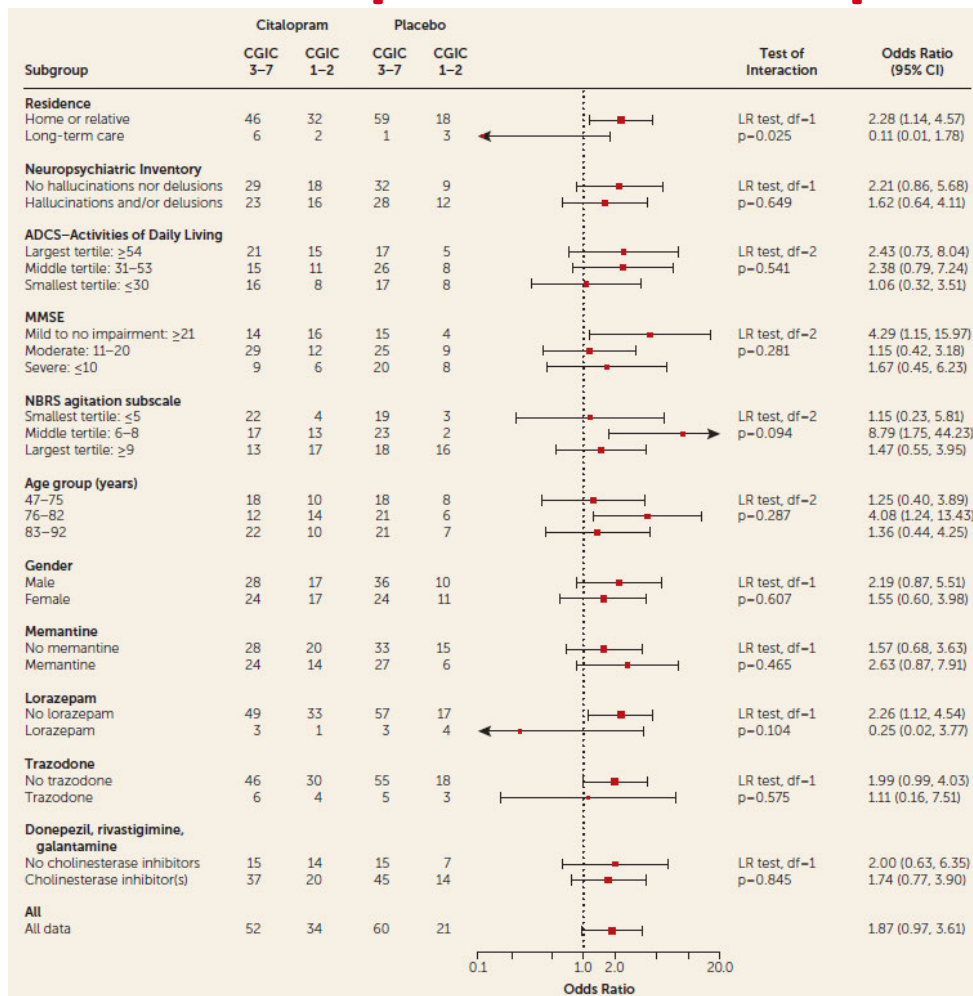
- RCT of citalopram (10 – 30 mg daily) or placebo for AD patient with significant agitation
 - Majority received 30 mg of citalopram*
- Significant improvements on NBRSA, CMAI with citalopram compared to placebo
- 40% of citalopram vs 26% of individuals with placebo had moderate or marked improvement
- Worsening of cognition noted with citalopram

Porsteinsson, JAMA, 2014

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Predictors of Response to Citalopram



Predictors of Response

Community-dwelling (vs. LTC)

MMSE > 21 (vs. lower)

Moderate symptoms (vs. Severe)

Schneider, Am J Psychiatry, 2016



Which Symptoms Improve with Citalopram?

- Individuals treated with citalopram less likely to report delusions (OR: 0.4), anxiety (OR: 0.4), irritability (OR: 0.4), and had reductions in symptoms of hallucinations
- Worsening of sleep problems was greater with citalopram compared to placebo

Leonpacher, Am J Psychiatry, 2016

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Citalopram or Escitalopram?

- S-enantiomer of Citalopram (Escitalopram) was associated with improvement in NPS, R-enantiomer associated with adverse effects
 - Escitalopram (Cipralext) 5 to 10 mg may be a better choice than Citalopram (Celexa)

Ho, Br J Pharmacol, 2016

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QTc Changes IN CITAD



	Citalopram (N=24)	Placebo (N=24)	P value
Mean (SD) QTc at Week 3	432 (24)	414 (25)	
Mean (SD) Change QTc Week 3 - Baseline	14.9 (19)	-2.9 (22)	
Difference in QTc Change Citalopram - Placebo	18.1 (95% CI: 6.1 – 30.1)		0.004
N (%) > 30 ms change in QTc	7 (32)	1 (5%)	0.046
N (%) QTc prolongation*	3 (13%)	1 (4%)	0.61

*>450 msec males, > 470 msec females

Drye, PLoS One, 2014

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Cannabinoids to Treat Agitation in Dementia



- Oral THC (tetrahydrocannabinol) 4.5 mg daily was not effective in reducing agitation or other NPS
 - Outcomes were numerically worse for THC
- Small studies showing possible benefit of dronabinol for agitation and sleep problems
- Case studies of nabilone, large RCT underway

Van den Elsen, Neurology, 2015
Lui, CNS Drugs, 2015

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Dextromethorphan/Quinidine for Agitation in Dementia



- Participants with AD and agitation (N=220) treated with DXM/Q 20mg/10mg OD → 30 mg/10mg BID X 5w
- Change in NPI Agitation/Aggression score DXM/Q vs Placebo: -1.5 (95%CI: -0.7 to 2.3, P<0.001)
 - NPI total score: -3.8 to -4.2
- Increased risk of falls (9% vs 4%), diarrhea (6% vs 3%), UTIs (5% vs 4%) and dizziness (5% vs 2%)
- No change significant changes noted in cognition, functioning during treatment

1. Cummings, JAMA, 2015

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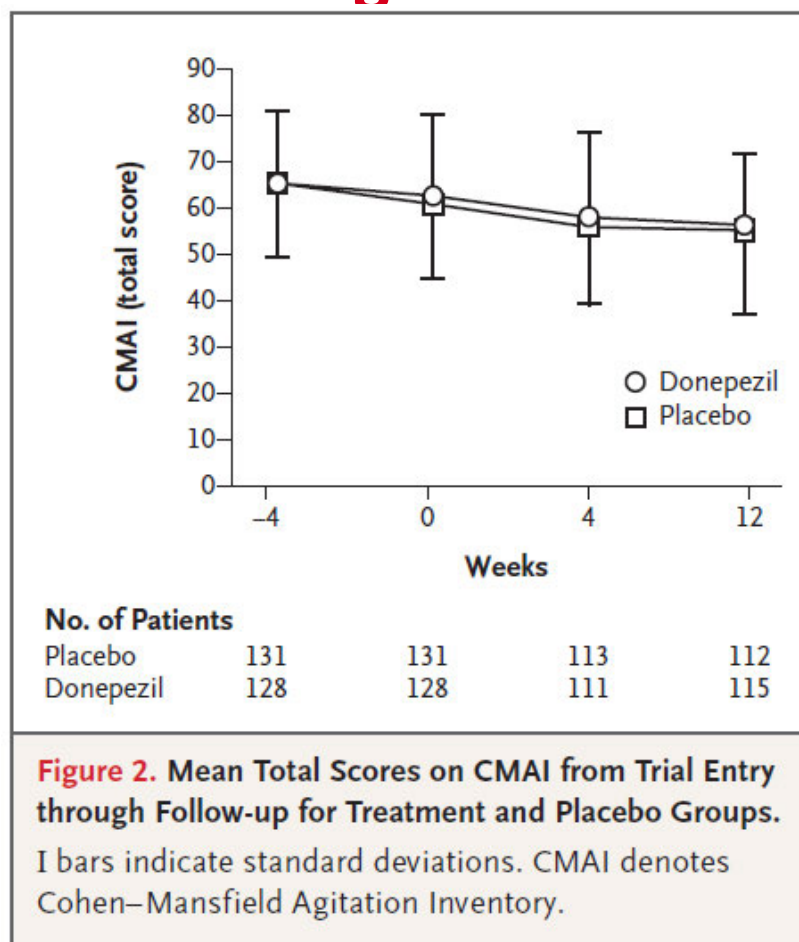
Trazodone



- 2 small RCTs of trazodone for NPS found no significant difference between trazodone and either placebo¹ or haloperidol¹⁻³
 - Trazodone treated individuals had **numerically worse outcomes** when compared to placebo and haloperidol

1. Teri, Neurology, 2000
 2. Sultzer, Am J Geriatr Psychiatry, 1997
 3. Seitz, Cochrane Data Syst Rev, 2011

Cholinesterase Inhibitors for Agitation



1. Howard, *New Eng J Med*, 2007
2. Holmes, *Int J Geriatr Psychiatry*, 2007
3. Ballard, *BMJ*, 2005
4. Freund-Levi, *Dement Geriatr Cog Disorder*, 2014



Antidepressants for Depression in Dementia

- Antidepressants for depression in dementia failed to find statistically significant benefit over placebo¹:
 - Response OR (95% CI): 2.12 (0.95 – 4.70)
 - Remission: 1.97 (0.85 – 4.55)
 - Adverse event rates were relatively low 9% vs. 6% with placebo

1. Nelson, J Am Geriatr Soc, 2011
2. Carmargos, Am J Geriatr Psychiatry, 2011

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Medications for Sleep in Dementia

- Melatonin most extensively studied, inconclusive¹
- RCT of trazodone 50 mg or placebo for AD patients with sleep disturbance (N=30)
 - Trazodone improved sleep duration by 42.5 minutes and 8.5% increase in nighttime sleep
 - No significant cognitive or other adverse events noted between groups

1. De Jonghe, Int J Geriatr Psychiatry, 2010
2. Carmargos, Am J Geriatr Psychiatry, 2014

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Apathy



- Cholinesterase inhibitors may be associated with improvements in apathy^{1,2}
- Recent trial of methylphenidate (10 – 20 mg daily) demonstrated significant reduction in apathy with 21% of treated patient significantly improved compared to 3% of placebo(P=0.02)³
- Limited evidence for any other medications

1. Berman, Am J Geriatr Psychiatry, 2012
2. Cummings, Am J Psychiatry, 2004
3. Rosenberg, J Clin Psychiatry, 2013

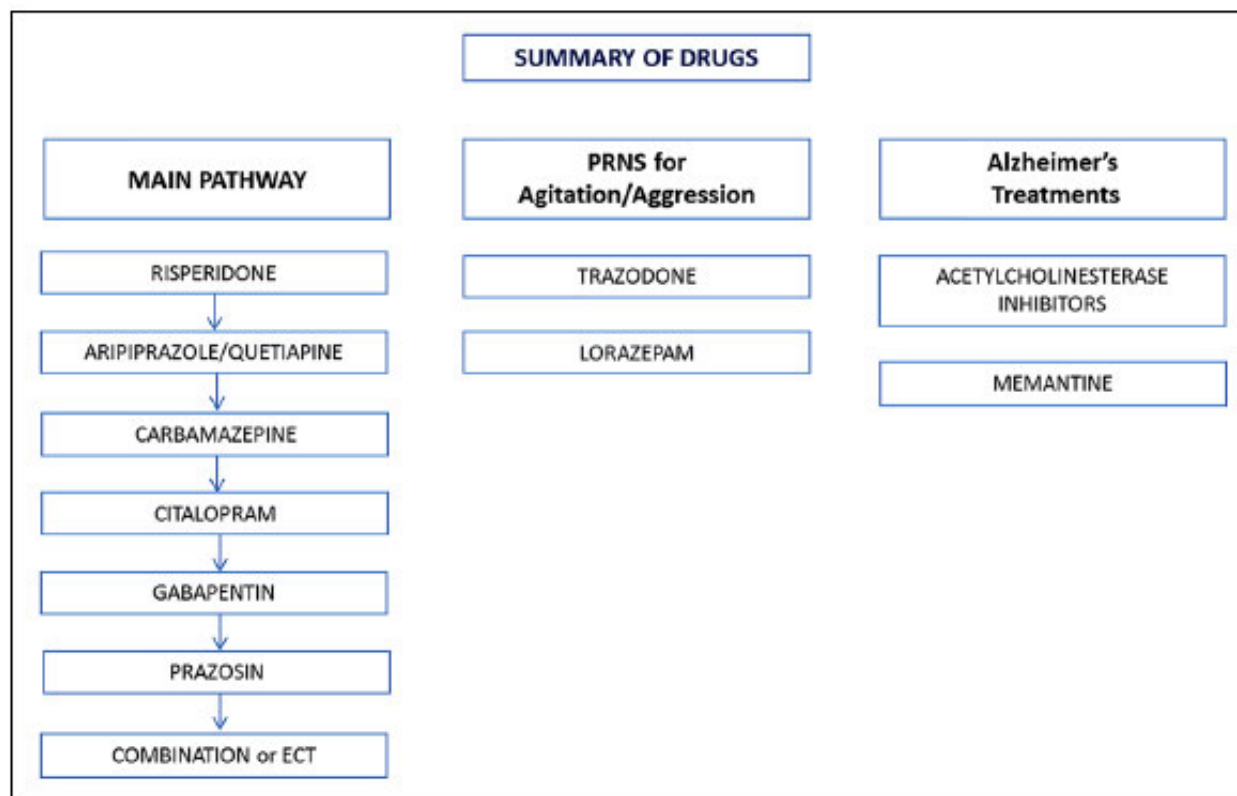
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Algorithm for Behavioral Management



Davies, J Clin Psychopharm, 2018



Canadian Geriatrics Society

4 Don't use antipsychotics as first choice to treat behavioural and psychological symptoms of dementia.

People with dementia often exhibit aggression, resistance to care and other challenging or disruptive behaviours. In such instances, antipsychotic medicines are often prescribed, but they provide limited benefit and can cause serious harm, including premature death. Use of these drugs should be limited to cases where non-pharmacologic measures have failed and patients pose an imminent threat to themselves or others. Identifying and addressing causes of behaviour change can make drug treatment unnecessary.

www.choosingwiselycanada.org



Prevalence of Antipsychotic Use

In Canadian long-term care homes,



residents is taking antipsychotic drugs without a diagnosis of psychosis

(Source: CIHI, 2017)



of seniors in Canadian long-term care have been diagnosed with dementia

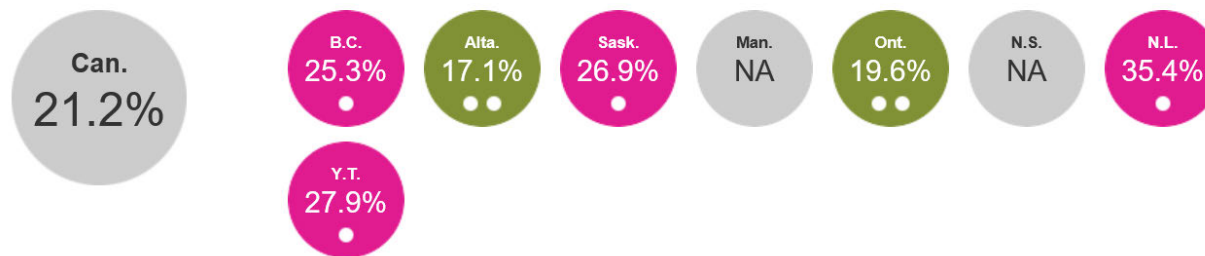
(Source: CIHI, 2017)

Regional variation between long-term care homes in use of antipsychotic drugs



(Source: CIHI, 2017)

● Above average
 ● Same as average
 ● Below average
 ● No Assessment



<http://yourhealthsystem.cihi.ca/>



Discontinuing Antipsychotics

- A large proportion of currently stable individuals on antipsychotics can have antipsychotics safely withdrawn^{1,2}
 - Withdrawal associated with 30% increase risk of behavioral worsening compared to placebo^{1,2}
- Predictors of successful discontinuation:
 - Less severe NPS at initiation of treatment²
 - Lower dose of antipsychotic required to treat NPS¹

1. Van Reekum, Int Psychogeriatr, 2002
2. Ruths, Int J Geriatr Psychiatry, 2008

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Relapse Risk After Antipsychotic Discontinuation

- Responders to 16 weeks of open label treatment of risperidone were randomized to either continuation or placebo at 16 and 32 weeks
- Relapse rates at 16 weeks following randomization:
 - Risperidone continuation: 23/70 (33%)
 - Placebo: 24/40 (60%)
- Relapse rate at 32 weeks after randomization:
 - Risperidone continuation: 2/13 (15%)
 - Placebo: 13/27 (48%)

1. Devanand, New Eng J Med, 2012



Predictors of Relapse

- Severe hallucinations at baseline associated with greater risk of relapse (HR: 2.96)
 - 77% relapse hallucinations vs. 39% no hallucinations
 - Auditory hallucinations associated with greater risk than visual
 - More severe hallucinations associated with greater risk than less severe hallucinations

Patel, Am J Psychiatry, 2016

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Conclusions

- Management of NPS in dementia must include thorough assessment of potential contributors
- There are several medications that have been demonstrated to be of benefit in NPS
- The risks and benefits of starting and continuation of medications for NPS need to be carefully considered for on an individual basis

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RESOURCES

- Mobile Applications:
- IA-ADAPT
 - University of Iowa: Improving Antipsychotic Appropriateness in Dementia
 - www.healthcare.uiowa.edu/igec/iaad/apt
- BPSD Guide
 - Behavior Management – A Guide to Good Practice, Managing Behavioral and Psychological Symptoms of Dementia (BPSD)

Antipsychotic Efficacy

Evidence supports modest symptom improvements with aripiprazole, haloperidol, olanzapine, quetiapine, and risperidone, but not with use of other antipsychotics in dementia. All antipsychotics appear to increase risk of death. The table below summarizes the strength of evidence supporting the efficacy of each atypical antipsychotic for different symptom domains.

	Aripiprazole	Olanzapine	Quetiapine	Risperidone
Dementia overall	**	*	*	**
Dementia psychosis	*	+/-	+/-	**
Dementia agitation	*	**	+/-	**

** = moderate or high evidence of efficacy
 * = low or very low evidence of efficacy
 +/- = mixed results
 Haloperidol has shown efficacy for aggression in randomized trials.

Adverse Effects Comparison Table

Drug (Brand Name) (Daily dose range)	Aripiprazole (Abilify) (5-15mg)	Haloperidol (Haldol) (0.5-2mg)	Olanzapine (Zyprexa) (2.5-10mg)	Quetiapine (Seroquel) (150-600mg)	Risperidone (Risperdal) (0.5-2mg)
Common adverse effects	■	■	■	■	■
Extrapyramidal symptoms	■	■	■	■	■
Weight gain	■	■	■	■	■
Constipation	■	■	■	■	■
Orthostatic hypotension	■	■	■	■	■
QTc interval prolongation	■	■	■	■	■
Interactions	■	■	■	■	■
Drug (Brand Name) (Daily dose range)	Aripiprazole (Abilify) (5-15mg)	Haloperidol (Haldol) (0.5-2mg)	Olanzapine (Zyprexa) (2.5-10mg)	Quetiapine (Seroquel) (150-600mg)	Risperidone (Risperdal) (0.5-2mg)
Common adverse effects	■	■	■	■	■
Extrapyramidal symptoms	■	■	■	■	■
Weight gain	■	■	■	■	■
Constipation	■	■	■	■	■
Orthostatic hypotension	■	■	■	■	■
QTc interval prolongation	■	■	■	■	■
Interactions	■	■	■	■	■

BPSD Guide

Behaviour Management - A Guide to Good Practice, Managing Behavioural and Psychological Symptoms of Dementia (BPSD)

- Restless/agitated behaviours >
- Psychological/mood symptoms >
- Psychotic symptoms >
- Disinhibited behaviours >





Choosing Wisely Canada is a campaign to help physicians and patients engage in conversations about unnecessary tests, treatments and procedures, and to help physicians and patients make smart and effective choices to ensure high-quality care.

For more information on Choosing Wisely Canada or to see other patient materials, visit www.choosingwiselycanada.org.
Join the conversation on Twitter @ChooseWiselyCA.

Treating disruptive behaviour in people with dementia

Antipsychotic drugs are usually not the best choice

People with Alzheimer's disease and other forms of dementia can become restless, aggressive, or disruptive. They may believe things that are not true. They may see or hear things that are not there. These symptoms can cause even more distress than the loss of memory.

Doctors often prescribe powerful antipsychotic drugs to treat these behaviours:

- Olanzapine (Zyprexa and generic)
- Quetiapine (Seroquel)
- Risperidone (Risperdal and generic)

If you are uncertain if your loved one is taking one of these medications please ask their health care team.

In most cases, antipsychotics should not be the first choice for treatment, according to the Canadian Geriatrics Society. Here's why:

Antipsychotic drugs don't help much.

Studies have compared these drugs to sugar pills or placebos. These studies showed that



antipsychotics usually don't reduce disruptive behaviour in older dementia patients.

Antipsychotic drugs can cause serious side effects.

Doctors can prescribe these drugs for dementia. However, Health Canada has not approved this use. The side effects can be serious.

Side effects include:

- Drowsiness and confusion—which can reduce social contact and mental skills, and increase falls.
- Weight gain.
- Diabetes.
- Shaking or tremors (which can be permanent).
- Pneumonia.
- Sudden death.

Patient Resources

www.choosingwiselycanada.org