



Achieving Quality Now

This meeting will be recorded and will be available at www.fmda.org/journalclub.php



FMDA Journal Club

June 22, 2022

Lynn D'Avico, PharmD, CPh; and Amina Dubuisson, DNP, MBA/HCM, RN, LNHA, CDP – Special Guests

Diane Sanders-Cepeda, DO, CMD – Host

CNA Week

June 16-22

I'm Still Standing



NAHCA The CNA Association | www.NAHCACNA.org

National Nursing Home Challenges

Staffing Crisis

Infection Control & Antibiotic
Stewardship

Readmissions & Preventable
Hospitalizations

Psychotropic Stewardship

Florida Focus

- 46 – Number of Hospitalization per 1000 long-stay resident days
- 46 – RN Turnover during past year
- 33 - % of short stay residents who newly received an antipsychotic medication
- 37 - % of long stay residents who received an antipsychotic medication

Ongoing Challenges for Florida



Reducing Emergency
Department visits

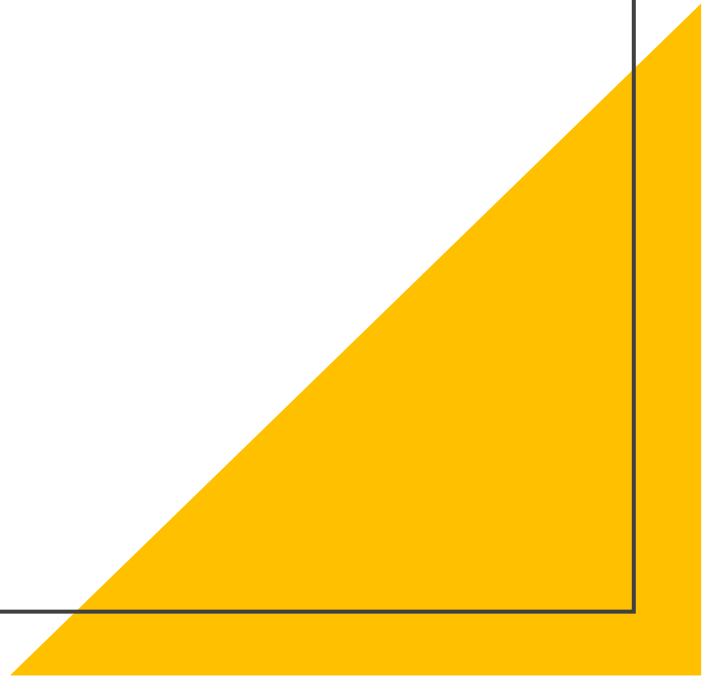


Readmissions



Infections

How do we Achieve
Quality Now?





Lynn D'Avico, PharmD, CPh;
Clinical Pharmacy Education
Coordinator; Polaris Pharmacy Services



**Amina Dubuisson, DNP, MBA/HCM,
RN, LNHA, CDP;**
Vice President of Clinical Services,
Ventura Services Florida



**Decreasing hospital readmissions
through Deprescribing**

Reported clinical outcomes of deprescribing are:

Decrease:



- Drug-related problems
- Mortality
- Hospital readmissions
- Falls

Increase:



- Quality of Life
- Functional Status

Impact of Deprescribing Interventions in Older Hospitalized Patients on Prescribing and Clinical Outcomes: A Systematic Review of Randomized Trials

•[Authors](#)
•[Authors and affiliations](#)
•Janani Thillainadesan

[Drugs & Aging](#)
April 2018, Volume 35, [Issue 4](#), pp 303–319| [Cite as](#)

Challenges to deprescribing



Guidelines are published to START medications



New disease conditions require newer and more expensive options



Pharmaceutical Industry does not fund deprescribing



Prescribers are concerned with legal implications



Specialists (psychiatry) are reimbursed per resident/regimen

Addressing polypharmacy

WHO: Prevalence of inappropriate meds 11.5%-62.5%

Polypharmacy is major problem in the elderly

- Greater risk of ADRs
- May lead to “prescribing cascades”
- Symptoms of polypharmacy confused with “aging”:
 - Tiredness, sleepiness, insomnia, constipation, diarrhea, confusion

Polypharmacy → decreases quality of life and unnecessary expense

LONG TERM CARE CMS: “Unnecessary Medication”

Figure 1 | Antihyperglycemics Deprescribing Algorithm

September 2016

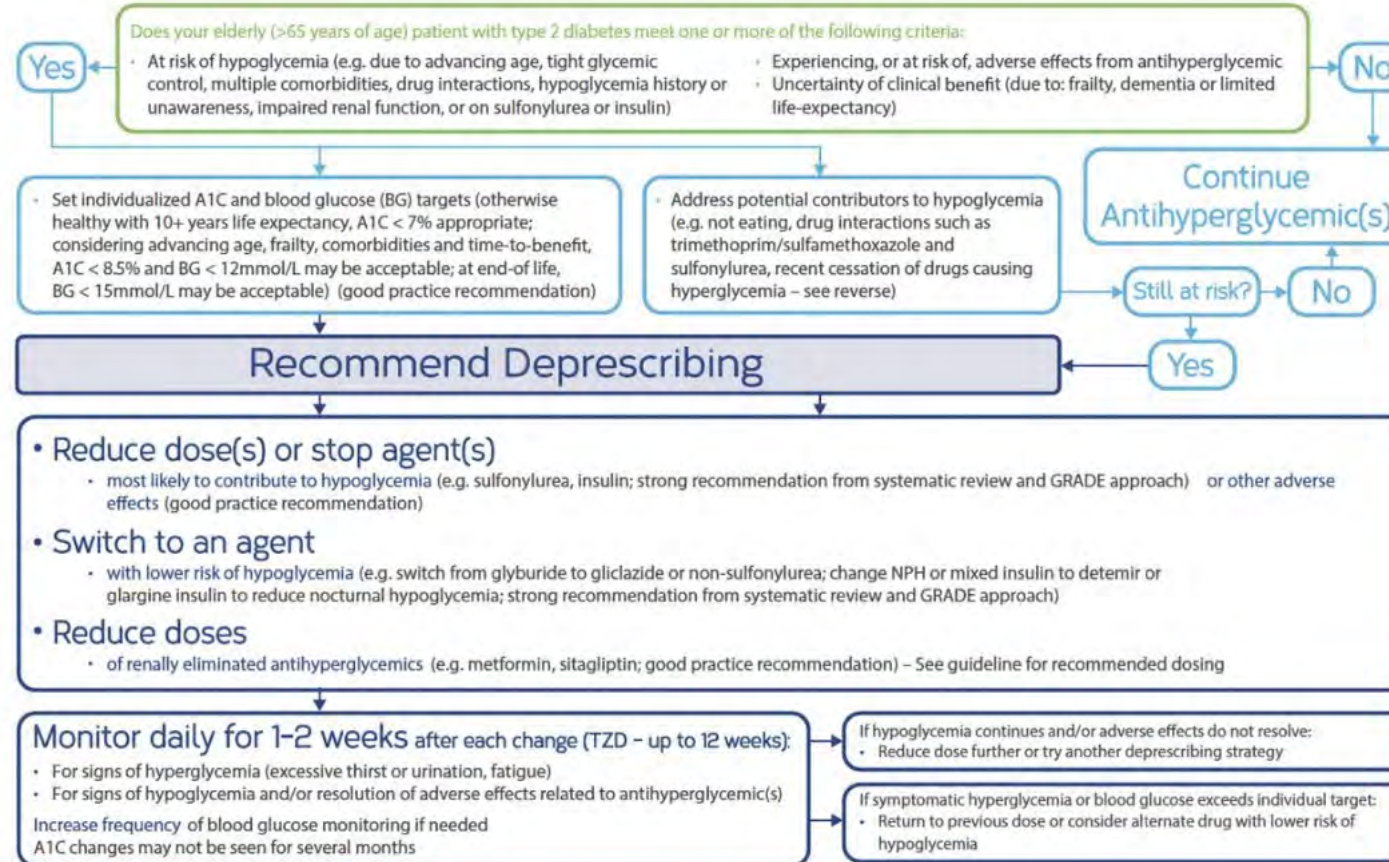
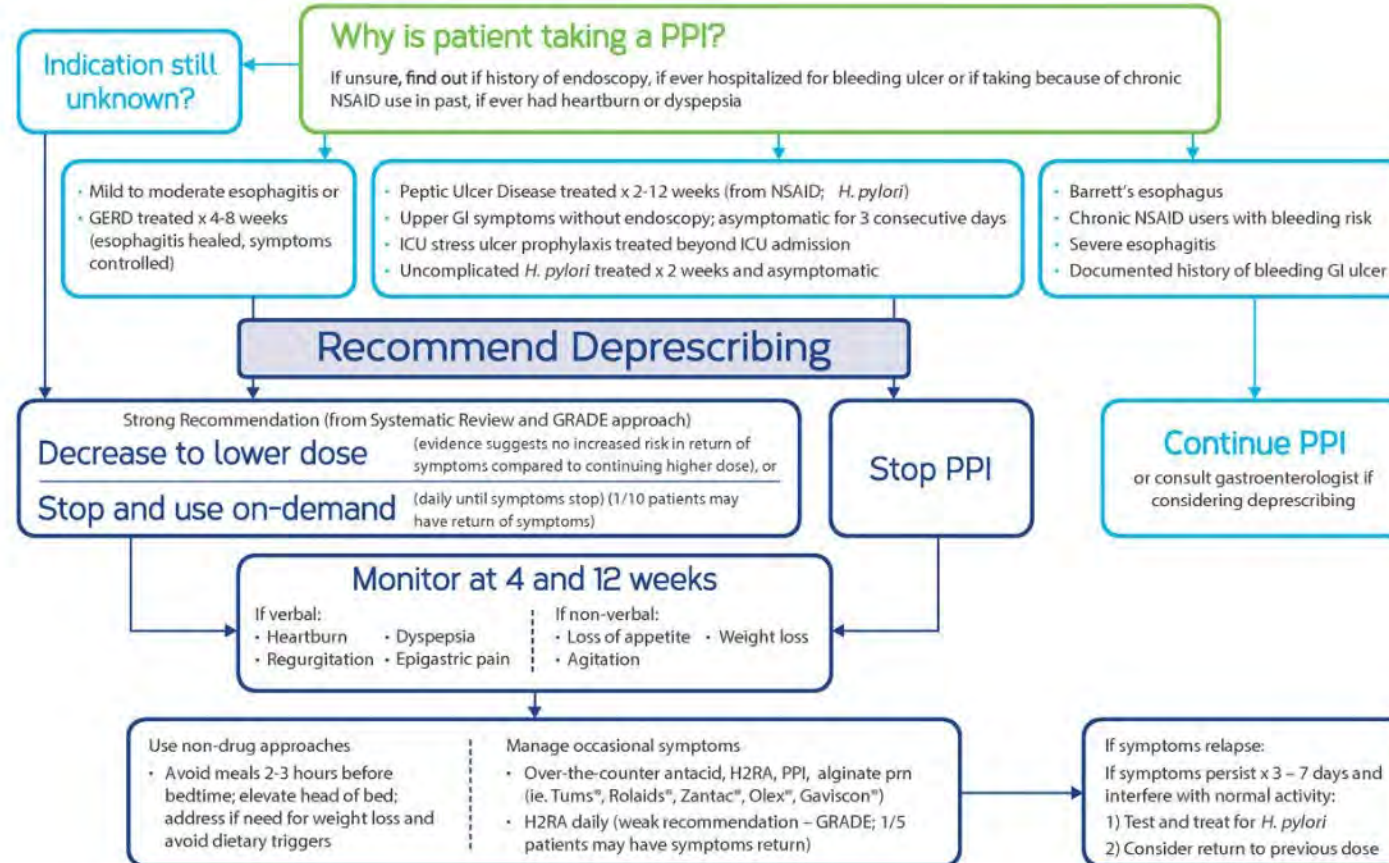


Figure 1 | Proton Pump Inhibitor (PPI) Deprescribing Algorithm

September 2018



Why is patient taking a BZRA?

If unsure, find out if history of anxiety, past psychiatrist consult, whether may have been started in hospital for sleep, or for grief reaction.

- Insomnia on its own OR insomnia where underlying comorbidities managed
- For those ≥ 65 years of age: taking BZRA regardless of duration (avoid as first line therapy in older people)
- For those 18-64 years of age: taking BZRA > 4 weeks

- Other sleeping disorders (e.g. restless legs)
- Unmanaged anxiety, depression, physical or mental condition that may be causing or aggravating insomnia
- Benzodiazepine effective specifically for anxiety
- Alcohol withdrawal

Engage patients (discuss potential risks, benefits, withdrawal plan, symptoms and duration)

Recommend Deprescribing

Continue BZRA

- Minimize use of drugs that worsen insomnia (e.g. caffeine, alcohol etc.)
- Treat underlying condition
- Consider consulting psychologist or psychiatrist or sleep specialist

Taper and then stop BZRA

(taper slowly in collaboration with patient, for example $\sim 25\%$ every two weeks, and if possible, 12.5% reductions near end and/or planned drug-free days)

- For those ≥ 65 years of age (strong recommendation from systematic review and GRADE approach)
- For those 18-64 years of age (weak recommendation from systematic review and GRADE approach)
- Offer behavioural sleeping advice; consider CBT if available (see reverse)

Monitor every 1-2 weeks for duration of tapering

Expected benefits:

- May improve alertness, cognition, daytime sedation and reduce falls

Withdrawal symptoms:

- Insomnia, anxiety, irritability, sweating, gastrointestinal symptoms (all usually mild and last for days to a few weeks)

Use non-drug approaches to manage insomnia
Use behavioral approaches and/or CBT (see reverse)

If symptoms relapse:

Consider

- Maintaining current BZRA dose for 1-2 weeks, then continue to taper at slow rate

Alternate drugs

- Other medications have been used to manage insomnia. Assessment of their safety and effectiveness is beyond the scope of this algorithm. See BZRA deprescribing guideline for details.

Why is patient taking an antipsychotic?

- Psychosis, aggression, agitation (behavioural and psychological symptoms of dementia - BPSD) treated ≥ 3 months (symptoms controlled, or no response to therapy).

- Primary insomnia treated for any duration or secondary insomnia where underlying comorbidities are managed

- Schizophrenia
- Schizo-affective disorder
- Bipolar disorder
- Acute delirium
- Tourette's syndrome
- Tic disorders
- Autism
- Less than 3 months duration of psychosis in dementia
- Intellectual disability
- Developmental delay
- Obsessive-compulsive disorder
- Alcoholism
- Cocaine abuse
- Parkinson's disease psychosis
- Adjunct for treatment of Major Depressive Disorder

Recommend Deprescribing

Strong Recommendation (from Systematic Review and GRADE approach)

Taper and stop AP (slowly in collaboration with patient and/or caregiver; e.g. 25%-50% dose reduction every 1-2 weeks)

Stop AP

Good practice recommendation

Monitor every 1-2 weeks for duration of tapering

Expected benefits:

- May improve alertness, gait, reduce falls, or extrapyramidal symptoms

Adverse drug withdrawal events (closer monitoring for those with more severe baseline symptoms):

- Psychosis, aggression, agitation, delusions, hallucinations

If BPSD relapses:

Consider:

- Non-drug approaches (e.g. music therapy, behavioural management strategies)

Restart AP drug:

- Restart AP at lowest dose possible if resurgence of BPSD with re-trial of deprescribing in 3 months
- At least 2 attempts to stop should be made

Alternate drugs:

- Consider change to risperidone, olanzapine, or aripiprazole

Continue AP

or consult psychiatrist if considering deprescribing

If insomnia relapses:

Consider

- Minimize use of substances that worsen insomnia (e.g. caffeine, alcohol)
- Non-drug behavioural approaches (see reverse)

Alternate drugs

- Other medications have been used to manage insomnia. Assessment of their safety and effectiveness is beyond the scope of this deprescribing algorithm. See AP deprescribing guideline for details.

STATEMENT OF LEADERSHIP COMMITMENT FOR PSYCHOTROPIC STEWARDSHIP IN A SKILLED NURSING FACILITY

INSERT FACILITY NAME commits to the reduction of psychotropic use in our facility. Facility leadership, INSERT ADMINISTRATOR AND DIRECTOR OF NURSING, is committed to embracing and adhering to CMS guidelines and regulations for reduction of Psychotropics in Nursing Homes. The seven pillars for psychotropic stewardship include leadership commitment, accountability, drug action, expertise, tracking, reporting, and education.

Our administration has identified a Psychotropic Stewardship Committee Leadership Team. Our Psychotropic Stewardship leadership team includes a physician/physician assistant or nurse practitioner, a nurse, and a pharmacist working in collaboration as appropriate by facility resources and/or structure. This team will meet at least quarterly as applicable.

- 1) Our Psychotropic Stewardship psychiatrist/representative is: INSERT PSYCHIATRIST/REPRESENTATIVE FULL NAME AND TITLE
- 2) Our Psychotropic Stewardship prescriber/nurse practitioner is: INSERT PRESCRIBER/NURSE PRACTITIONER FULL NAME AND TITLE HERE
- 3) **Our Psychotropic Stewardship nurse is: INSERT NURSE'S FULL NAME AND TITLE**
- 4) Our Psychotropic Stewardship social worker/MDS coordinator: INSERT SOCIAL WORKER/MDS COORDINATOR FULL NAME AND TITLE
- 5) **Our Psychotropic Stewardship pharmacist : INSERT PHARMACIST'S FULL NAME AND TITLE**

STATEMENT OF COMMITMENT

- 1) We, the administration, are committed to supporting efforts that reduce psychotropic use in our facility. (Leadership Commitment Pillar)
 - **Despite the facility's lowering trends of in-house psychotropic medication use in the facility, CMS goals are requiring additional psychotropic reductions.**
- 2) We understand that psychotropic reduction is an interdisciplinary activity that improves the selection of a psychotropic therapy (correct drug, dose, duration, and ordered only when necessary).
 - Implementing adequate follow up (behavior monitoring) after prescribing of psychotropic medications to determine if orders can be changed, reduced, or discontinued.
- 3) We will include psychotropic stewardship-related duties in position descriptions for the psychiatrist, clinical nurse leads, and consultant pharmacists. (Accountability Pillar)
- 4) **We will communicate with nursing staff and prescribing clinicians the facility's expectations about use of psychotropics and the monitoring and enforcement of gradual dose reduction Guidelines.** (Action Pillar)
- 5) We will assist our prescribers, nurses, and our consultant pharmacists in developing psychotropic use guidelines/regulations that ensure the appropriateness (drug, dose and duration of therapy) of any new psychotropic agent ordered. We will attempt to reach out to clinicians with psychiatric expertise in the LTC community. (Drug Expertise Pillar)
- 6) We will work with our prescribers, nurses and our consultant pharmacist to create a system that monitors and shares reports regarding psychotropic medication use (consumption) in the facility. (Tracking and Reporting Pillar)
- 7) We commit to creating a culture, through messaging, education, and encouraging improvement, which promotes psychotropic stewardship within our facility. (Education Pillar)

Medical Director/ Administrator (Printed Name and Signature)

Date

Director of Nursing (Printed Name and Signature)

Date

Facility's Lead AMS Champion (Printed Name and Signature)

Date

TO: [INSERT RELEVANT STAFF NAMES]

FROM: PSYCHOTROPIC STEWARDSHIP PROGRAM TEAM

RE: [FACILITY NAME] PSYCHOTROPIC STEWARDSHIP PROGRAM INTERVENTION

DATE: [INSERT DATE]

Psychotropic Medications are among the most commonly prescribed pharmaceuticals in long-term care settings, yet reports indicate that a high proportion of psychotropic medication prescriptions are unnecessary. The adverse consequences of unnecessary psychotropic medication use include adverse drug reactions or interactions, and greatly increased costs. CMS **characterizes psychotropic medication overuse as “one of the country’s most pressing public health challenge.”** Overutilization of prescribing practices by clinicians and inappropriate use of, psychotropic medications are believed to be the primary contributors to this problem. As a result of the above complexities, nursing homes are increasingly recognized as over users of psychotropic medications.

To address these issues, [INSERT NAME OF NURSING HOME] has developed a psychotropic stewardship program. Psychotropic stewardship is the act of using psychotropic medications appropriately – that is, using them only when truly required. This program includes tools, policies, and procedures that aim to guide nursing home staff toward more responsible and effective use of psychotropics.

This effort, to be implemented beginning [INSERT DATE], is crucial to improving outcomes for our residents and the nursing home as a whole. Your participation will be essential.

[INSERT NAME AND TITLE OF AUTHORIZING OFFICER]

[INSERT DATE]

Resident Name:	
DOB:	

	Pharmacological Screening	Exclusionary Criteria	Intervention
	Must Have: a supervisor/nurse manager must be notified of change request for psych med.		Prior to contacting psych/prescriber to add/increase/change psychotropic medication – first notify supervisor and R/O psych behavior
	<input type="checkbox"/> Pain <input type="checkbox"/> COPD/dyspnea <input type="checkbox"/> Infection <input type="checkbox"/> Environment/readjustment (e.g. dementia/fear) <input type="checkbox"/> Sleep hygiene <input type="checkbox"/> Endocrine (e.g. thyroid, diabetes)	Investigate and determine that resident is not experiencing any of the exclusions.	Non pharmacological interventions should be applied.
Behavior Checklist	Anxiety-related	<input type="checkbox"/> Anxiety <input type="checkbox"/> Panic <input type="checkbox"/> Phobias <input type="checkbox"/> Obsessive compulsive behaviors	0 1 2 3 4 0 1 2 3 4 0 1 2 3 4 0 1 2 3 4
	Mood related	<input type="checkbox"/> Irritability <input type="checkbox"/> Aggression <input type="checkbox"/> Hypersexuality	0 1 2 3 4 0 1 2 3 4 0 1 2 3 4
	Depressed mood	<input type="checkbox"/> Loss of interest/unhappy/underactivity <input type="checkbox"/> Appetite <input type="checkbox"/> Sleep issues	0 1 2 3 4 0 1 2 3 4 0 1 2 3 4
	Psychotic related	<input type="checkbox"/> Self talk <input type="checkbox"/> Delusions/hallucinations <input type="checkbox"/> History of schizophrenia/Tourette's or Huntington's disease	0 1 2 3 4 0 1 2 3 4 0 1 2 3 4
	Other	<input type="checkbox"/> Alcohol/drug abuse (new on set or history) <input type="checkbox"/> PTSD/trauma	0 1 2 3 4 0 1 2 3 4

Completed by: _____

Date/time: _____

Reviewed by: _____

Date: _____

When using the checklist scale- if resident is determined to be a 0,1 or 2- pharmacological therapy is not recommended.
If resident is determined to be a 3 + 4- may require pharmacological intervention + comprehensive by a clinician/psychiatrist.



FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

PSYCHOTROPIC STEWARDSHIP

PROACTIVE ASSESSMENT

Antipsychotics in Long Term/Short Term Residents

Steps in the Process	Potential Failure Modes	Failure Causes	Failure Effects	Likelihood of Occurrence (1-10)	Likelihood of Detection (1-10)	Severity Score Total of 2 previous columns	Actions to Reduce Failure
New onset or worsening behavior noted in a resident	Nurse fails to implement all possible nonpharmacological interventions	Lack of time	Inappropriate intervention Nurse requests medication increase or initiation to reduce resident behaviors				Training and education of all nurse staff regarding the importance and the need to exhaust all non pharmacological interventions. Become familiar with resident routine and habits, in an attempt to anticipate needs prior to resident becoming increasingly agitated
Nurse calls or speaks to MD/Psych	MD unfamiliar with resident and accepts information provided by nurse/interprets call as a need for med intervention. Physician prescribes an antipsychotic not justified by the behaviors consistent with anxiety most often presented, and fails to attempt a short-term anxiolytic	Inappropriate procedure/lack of appropriate nursing intervention. Physicians avoiding 14 days CMS rule for PRN psychotropic opt for routine medication	Physician is swayed to order a new medication according to information being relayed				Discuss and hold forum with physicians addressing prescribing behaviors and exhausting all alternative treatment methods prior to initiating medicinal treatment for behavior, including sleep logs etc. Redirect staff. Psych eval first.
MD orders new psych eval or antipsychotic prescription	Med is administered even in the absence of behaviors	Physician does not assess whether alternative methods have been attempted,	Treatment can reduce level of function, dependency, or lead to EPS				Educate and reinforce behavior documentation. Initiate stop and re-evaluation dates for all new Rx antipsychotic medications or increased doses
Psych hesitant to change current Rx or go against family/resident request	Failure to justify med use with appropriate rationale	Reduced behaviors due to chemical effects gives the false perception of effectiveness of drug when alt methods may work just as well	Prolonged inappropriate med use leading to F329 citation				Audit conducted and routinely ongoing to ensure justification for medication is supported in MD documentation.



FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

PSYCHOTROPIC
STEWARDSHIP

PROACTIVE ASSESSMENT

Antipsychotics in Long Term/Short Term Residents

Steps in the Process	Potential Failure Modes	Failure Causes	Failure Effects	Likelihood of Occurrence (1-10)	Likelihood of Detection (1-10)	Severity Score Total of 2 previous columns	Actions to Reduce Failure
MDS is coded as resident having received antipsychotic in the last 7 days	Coding is completed for use despite need/symptoms	Antipsychotic utilization is never Rx'd PRN unless attempting GDR from a routine Rx, so the tx will always be routine and trigger as multiple doses in 7 days look back period on MDS	Increase in MDS Quality Measure Monthly report for Long and Short-term resident antipsychotic utilization in comparison to state and national triggers				Prevent this with above listed interventions

ANALYSIS

The failure occurs at the point in which the nurse places a call to the physician or approaches the physician to report an increase in resident behaviors without having properly utilized all available nonpharmacological options for redirecting and minimizing resident behaviors. Physician is dependent upon the nurse to communicate all necessary information, and a call or request from the nurse will be answered with treatment orders under the assumption that all else has failed.

PLAN

Re-education and re-enforcement to all staff on the use of all non-pharmacological intervention for redirecting and reducing a resident behavior, with a call to the physician for further recommendation only after all non-pharmacological interventions have failed.

Education for all direct care staff on the management of the Elderly with Dementia and psychiatric conditions.

Education and discussion with the physician's and psychiatrist consultants on the requirement for documented rationale for the use of an antipsychotic medication and timeliness or follow up and GDR as appropriate, and in accordance with state and federal regulation

RESULTS

Psychiatric Symptoms and Behavior Checklist

Name: _____

DOB ____/____/____

Checklist can be completed by primary care provider, or by caregiver and reviewed by provider

Please mark the list below:

No symptoms--0
Mild symptoms occasionally--1
Mild symptoms some of the time--2
Major symptoms some of the time--3
Major symptoms all of the time--4

Scale

Symptoms and behaviors	BASELINE ¹ Mark if usually present	NEW Mark if recent onset	COMMENTS If new onset or increased
Anxiety-related			
Anxiety			
Panic			
Phobias			
Obsessive thoughts			
Compulsive behaviors			
Rituals/routines			
Other			
Mood-related			
Agitation			
Irritability			
Aggression			
Self-injurious behavior			
Depressed mood			
Loss of interest • Unhappy/miserable • Under-activity			
Sleep issues			
Eating pattern			
Appetite			
Weight (provide details)			
Elevated mood			
Intrusiveness			
Hypersexuality			
Other			
Psychotic-related ²			
Psychotic and psychotic-like symptoms (e.g., self talk, delusions, hallucinations)			
Movement-related			
Catatonia ('stuck')			
Tics			
Stereotypies (repetitive movements or utterances)			
ADHD-related or Mood Disorder			
Inattention			
Hyperactivity			
Impulsivity			
Dementia-related			
Concentration			
Memory			
Other			
Other			
Alcohol misuse			
Drug abuse			
Sexual issues/problems			
Psychosomatic complaints			

¹ Establish usual baseline i.e., behaviors and daily functioning before onset of concerns. ² Use caution when interpreting psychotic-like symptoms and behaviors in patients with IDD. These may be associated with anxiety (or other circumstances) rather than a psychotic disorder.

NONPHARMACOLOGIC TREATMENT— treatment of underlying medical conditions should always be the first treatment strategy and implemented in all residents with agitation/distress. Whenever possible, these interventions should be selected and tailored to the resident's preferences, skills and abilities.

Examples of Nonpharmacologic Treatment Categories and Strategies

Sensory	Music therapy, white noise therapy, massage, light therapy, physical touch (with caution in some), tactile stimulation, olfactory stimulation, dolls, pegboards. Reduction of sensory input may be effective (i.e. quiet room, less talk, less touch).
Environmental	Increase in personal space, reduction in disruptive stimuli, special care units, lightning. Positive behavior among caregivers and staff. Plants, pets, magazines, gardening and animal books.
Behavioral	Reinforcement of alternative behaviors, positive reinforcement, behavior modeling, validation therapy, redirection, psychotherapy. Kneeling down to establish eye contact. Use short sentences and give extra time for response. Avoid reality orientation. Increase pleasure activities.
Communication	Awareness of caregiver's nonverbal, verbal and written communication skills. Consistent, individualized caregiver's approach that recognizes the needs of the resident.
Family Support and Education	Offer caregiver classes, provide written materials, refer families and caregivers to local support groups.
Exercise	Encourage physical activities to optimize outcomes.

What is a Gradual Dose Reduction (GDR)?

Gradual dose reductions (GDRs) are a standard practice in nursing homes and in other types of facilities. In a nursing home, government regulations require that certain drugs affecting the brain (such as medications for distressed behaviors, anxiety, sleep, and depression) be **assessed for a GDR at regular intervals. Several physicians' groups and the Alzheimer's Association** also recommend GDRs. This is a good practice to make sure residents are safe and are taking the lowest possible effective dose of a medication.

Gradually reducing the dose of medications is a way to make sure someone is taking the lowest effective dose. Lower doses have less risk for side effects. Stopping the medication after it has been successfully lowered can tell us if the medication is still needed. This can be a safe practice in nursing homes or other facilities, because staff can watch as these changes are made.

Some Reasons to Lower Doses or to Stop Medications Include:

- ✓ Medications are not able to fix problems such as behaviors caused by unmet needs or a side effect of another medication
- ✓ Use of many medications at the same time can increase side effects and the risk for interactions between them
- ✓ Aging and illness can make medications stay in the body much longer, which increases the risk of side effects
- ✓ People with several different diseases are often more sensitive to medications and have unusual reactions to them (especially older adults)

Medications, aging, and illness can make people more likely to fall, become confused, get infections or have other complications. For this reason, GDRs are important to assess if a medication is being used at the right dose, for the right reason, for the right amount of time. Sometimes medications that worked in the past are no longer the best choice and a change is needed. Sometimes a dose should be lowered, or a medication should be stopped. Several facility team members are involved in determining if a GDR could be tried, such as doctors, nursing staff, consultant pharmacists and others.



THE FLORIDA SOCIETY
FOR POST-ACUTE AND
LONG-TERM
CARE MEDICINE

**400 Executive Center Drive, Suite 208
West Palm Beach, FL 33401**

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