Non-Pharmacologic Management of Behavioral and Neuropsychiatric Symptoms in Dementia

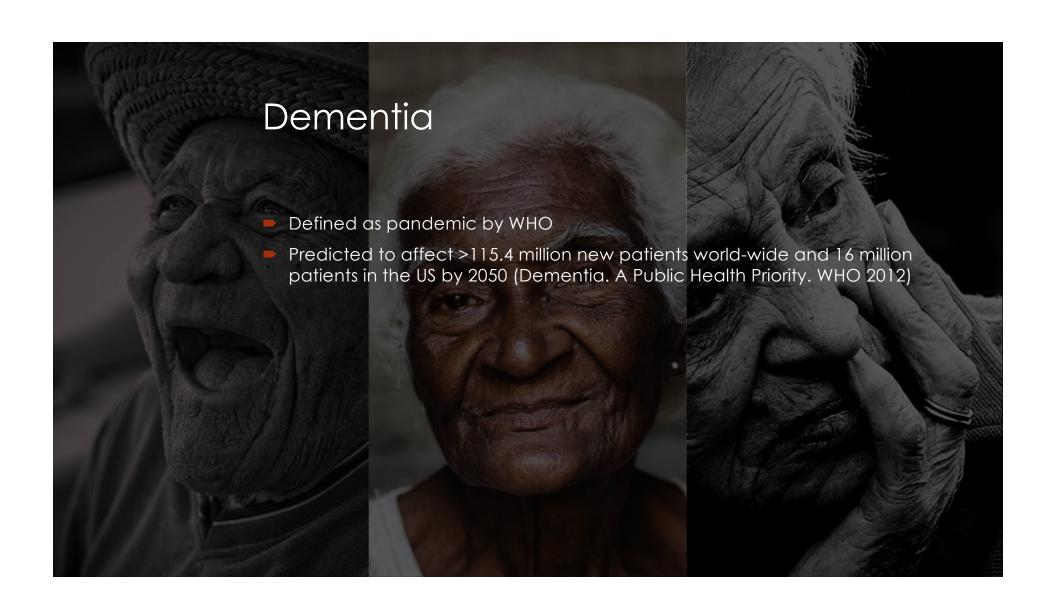
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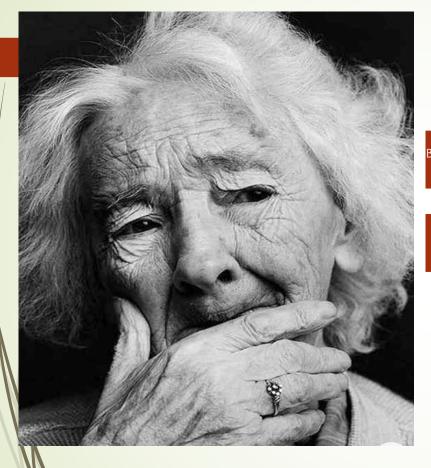
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Learning Objectives

- Explore the consequences of untreated behavioral issues
- Learn about what defines behavioral issues
- Review why pharmacologic strategies are first-line
- Explore factors contributing to behavioral issues
- Review range of interventions targeting individuals, the environment, and caregivers





Behavioral issues are core clinical feature of dementia

If untreated, lead to the following:

More rapid disease progression, functional decline, increase in morbidity/mortality (falls, sedation, CV and neurologic sx)

Earlier nursing home placement

Worse quality of life

Increase in caregiver burnout (depression, risk of harm, decrease QOL)

Higher healthcare utilization and costs

Increased institutionalization and psychiatric admissions

Non-Cognitive Symptoms Heterogenous group of non-cognitive manifestations

Psychological

- Depression
- Apathy
- Agitation
- Delusions/Hallucinations

Behavioral

- Repetitive Vocalizations
- Shadowing
- Wandering
- Argumentativeness

Symptoms can change with illness severity

MILD

Depression/apathy

- Decreased motivation for > 4 weeks and 2 of the following:
 - Decrease goaldirected behavior
 - Decrease goaldirected cognitive actions
 - Decrease in emotions

MEDIUM TO SEVERE

Delusions

Hallucinations

Aggression

- Emotional distress
- Excessive psychomotor activity
- Wandering
- Aggressive behavior, Irritability
- Disinhibition
- Vocally disruptive behavior

Agitation

Physical

 Hitting, biting, pushing

Verbal

 Threats, screaming, attention getting

Passive

 Withdrawing, handwringing, blank stares Behavior specific to particular types of dementia Vascular Dementia → depression

Lewy-Body Dementia → hallucinations

Fronto-Temporal Dementia → loss of executive control

- Disinhibition
- Wandering
- Social inappropriateness
- Apathy

Nonpharmacologic treatment is first line Management frequently involves psychopharmacology (off label use of anti-psychotics, anti-cholinergic medications)

Medications show modest to no benefits compared to placebo

Treatments have myriad side effects – increased confusion, falls, EPS

Antipsychotics increase risk of all-cause mortality

Risk Factors

- Caregiver distress
- Patient pain
- Sleep disturbance
- Inadequate nutrition
- Infection
- Acute medical illness



Interacting Factors

Behavioral issues not only result of cognitive decline

Represent confluence of interacting factors

Internal – pain, fear

External – over-stimulation, complex caregiver communication Expression of unmet needs

Behaviors can be conceptualized as: Inadvertant re-enforcement – screaming to get attention

Consequences of mismatch between environment and patient inability to process and act on cues, expectations, and demands



- •Increase calming sensory stimulation (eg, music therapy and personalized activities)
- •Use a gentle, calm approach
- •Use nonverbal, nonthreatening communication
- •Keep communication simple and direct
- •Give reassurance
- •Empathize with and acknowledge concerns
- Avoid using commands or bossing
- •Use distraction or redirection to alter focus
- •Maintain routines to avoid disorientation
- •Increase daytime activities

Strategies directed towards **environment**

- Avoid sensory deprivation
- Avoid overstimulating environments
- Watch for utilization behaviors
- •Out of sight, out of mind
- •Provide an open, safe, contained environment
- •Remove objects if hyperoral behaviors are present
- •Increase lighting to reduce evening and nocturnal confusion

Strategies directed towards caregivers

Caregiver education and resource support

Person-Centered Care (PCC) approaches

Dementia Care Mapping (DCM)

Treatment
Routes for
Exploring
Agitation (TREA)

Tailored Activity Programs (TAP)

Describe-Investigate-Create-Evaluate (DICE)

Communication

- Allow patient sufficient time to respond to a question
- Provide one to two step simple verbal commands
- Use calm, reassuring tone
- Offer simple choices (no more than 2 at a time)
- Avoid negative words and tone
- Use a light touch to reassure, calm, or redirect
- Identify self and others if patient does not remember names
- Help patient find words to express him/hers

Environment

- Remove clutter or unnecessary objects
- Use labeling or other visual cues
- Eliminate noise and distractions while you are communicating or when patient is engaging in an activity
- Use simple visual reminders (arrows pointing to bathroom)

Caregiver

- Understand that behaviors are not intentional.
- Learn how to relax the rules (e.g., no right or wrong in performing activities/tasks as long as patient and caregiver is safe)
- With disease progression, patient may have difficulty initiating, sequencing, organizing and completing taskswithout guidance and cueing
- Go along with patient's view of what is true and avoid arguing or trying to reason or convince
- Take care of self; find opportunities for respite; practice healthy behaviors and preventive doctor visits
- Identify and draw upon a support network

Tasks



- Break each task into very simple steps
- Use verbal or tactile prompt for each step
- Provide structured daily routines that are predictable

Activities

- Introduce activities that tap into preserved capabilities and previous interests
- Introduce activities involving repetitive motion (washing windows, folding towels, putting coins in container)
- Set up of the activity and helping patient initiate may be necessary

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