Dementia with Lewy Bodies:

Clarity Emerging from Confusion

Charles E. Driscoll, MD, FAAFP

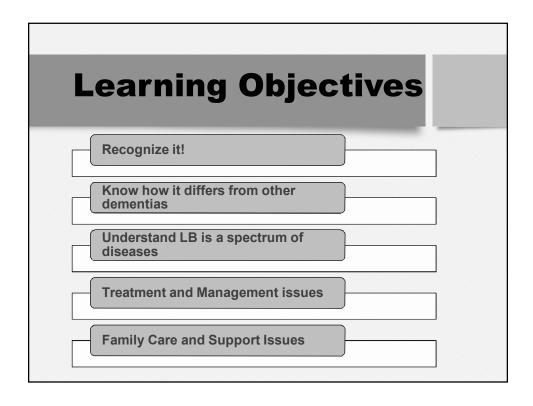
Geriatrician; Emeritus Professor of Family Medicine University of Virginia Lynchburg, VA

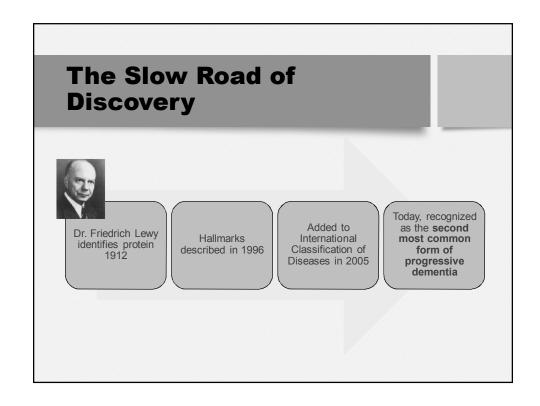
Angela Taylor

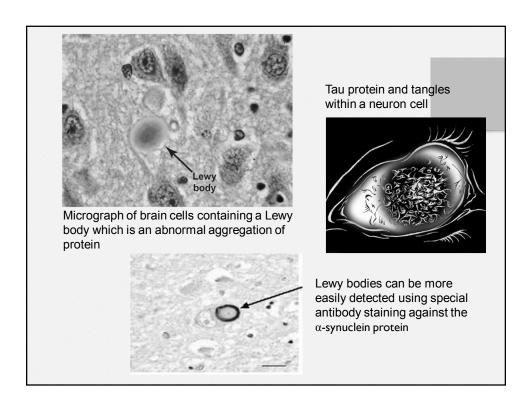
Director of Programs
Lewy Body Dementia Association
Lilburn, GA

Abbreviations

- DLB Dementia with Lew Bodies
- LB Lewy Body
- LBD Lewy Body Dementia
- MMSE Mini Mental State Examination
- PDD Parkinson's Disease Dementia
- REM Rapid Eye Movement



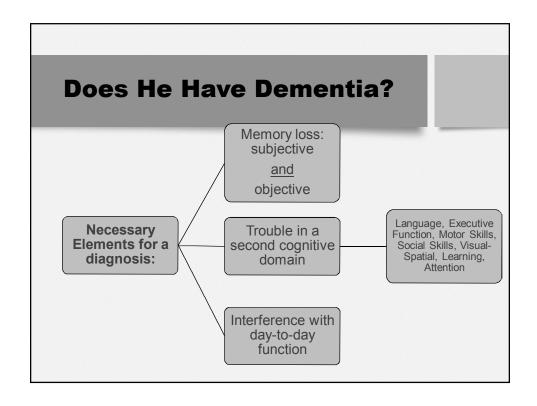






Case Scenario - Hal

- Hal, a veteran, retired from his work as an auto mechanic at age 68.
- His boss had noticed a number of Hal's repairs needed some review and "tweaking".
- Hal's wife noticed he is more forgetful, becomes confused when following directions, and has some difficulties finding "the right word" in conversation.
- Health is good with BP 134/84 and his only medications are a baby aspirin and a multi-vitamin daily.
- Smokes 1ppd.



Another Look at Our Patient, Hal

Having been diagnosed with early dementia, Hal is seen again in 6 months. His wife notes some new problems:

- He is sleeping and barely rousable for long periods during the day
- He has become suspicious when his wife leaves the house, and thinks she is trying to sell their home
- Sleep at night is disrupted by nightmares with "hitting at something in the dream"
- A "sedative" was prescribed for the sleep problem, but it had paradoxical effects, raising his anxiety and restlessness

What Clues Can Suggest DLB?

REM sleep behavior disorder

Difficulty with complex mental activities

Fluctuation – good days and bad days

Day-time sleepiness

Medication sensitivity – tranquilizers and neuroleptics

Motor dysfunction

Vivid hallucinations/Delusions

Autonomic dysfunction

Abnormal brain imaging

REM Sleep Behavior Disorder

- Acting out dreams
 - · Sometimes injured by falling out of bed
 - · Sometimes injure sleep mate
- May appear years before DLB diagnosis
- Red flag symptom

REM sleep behavior disorder

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Difficulty with Complex Mental Activities

- Executive function severely impaired
- Visuospatial dysfunction
- · Decline in attention
- Memory often relatively spared in the early stage

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Cognitive Fluctuation

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- Most difficult to define and identify
- Fluctuation of MMSE scores by <u>></u>5
 points up & down over 6-month period
- Family members say:
 - "appears drowsy, but awake", "looks dazed"
 - "not aware of what is going on"
 - "can be fine one day and confused the next"
- Minutes, hours or days between periods

Hallucinations and Delusions

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Hallucinations

– usually
visual

- more frequent in patients with poor eyesight
- · not unpleasant, but very real

Delusions – usually misidentificati on type

- someone is present in the room
- phantom boarder delusion
- people are stealing things

Motor Dysfunction

- Fine motor skills are lost
- Rigidity
- Parkinson symptoms
 - Tremor
 - · Slowness of movement (bradykinesia)
 - · Shuffling gait
 - · Loss of balance
 - · Falls

REM sleep behavior disorder

Difficulty with complex mental activities

Fluctuation – good days and bad days

Day-time sleepiness

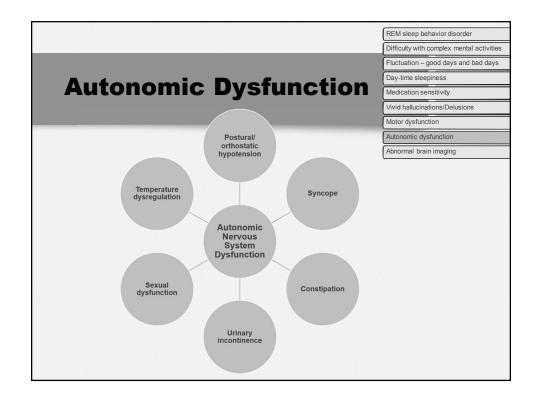
Medication sensitivity

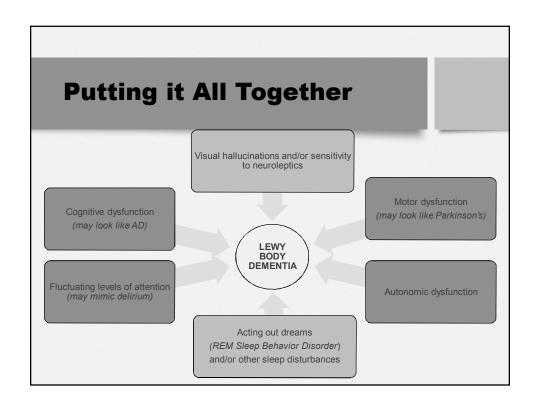
Vivid hallucinations/Delusions

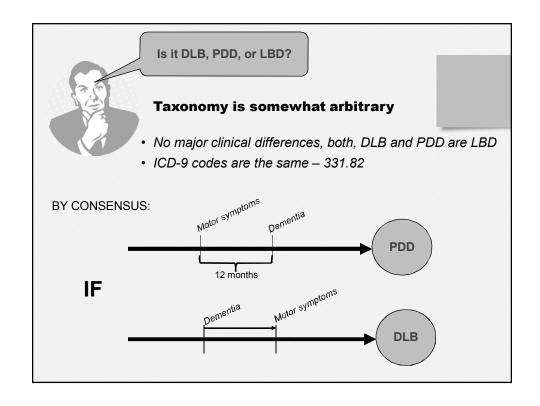
Motor dysfunction

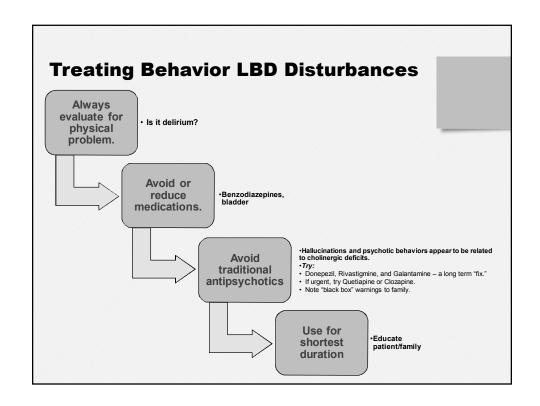
Autonomic dysfunction

Abnormal brain imaging









Research Needed: Racial and Socioeconomic Disparities		
Parkinson's Disease	African Americans	Whites
Disease prevalence may be higher		Χ
Seek care earlier at specialty clinic		Χ
Greater disability	X	
Greater disease severity	X	
More likely to be prescribed dopaminergic medications, especially newer ones		Х
More likely to be prescribed antipsychotics	X	

Importance of an Early Diagnosis

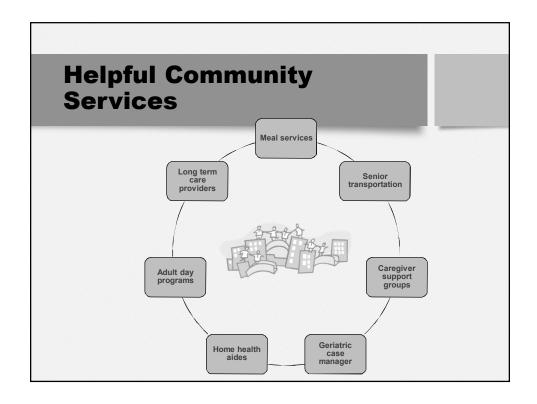
- These patients respond differently to:
 - · Neuroleptic medications
 - · Anti-cholinesterase inhibitors
 - · Parkinson's medications
- · Different progression than Alzheimer's
- Shorter prognosis
- Need advance planning
- · More family support needed
- New research emerging at rapid rate

Quality of Life Matters

- Comprehensive care of LBD symptoms improves quality of life and reduces caregiver burden
 - Coordinate treatment with patient's other doctors to avoid exacerbating symptoms
- Consider referrals to Physical Therapist, Occupational Therapist and Speech Therapist

Caregiver burden

- · Treat the primary caregiver as a second patient
- Burden is associated with cognitive, behavioral or affective symptoms
 - · Especially disturbances in mood and sleep
- Caregivers should expect crises, especially trips to the emergency room



Caregiving Tips to Share

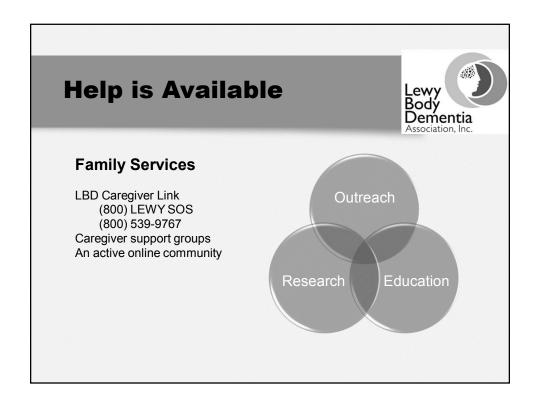


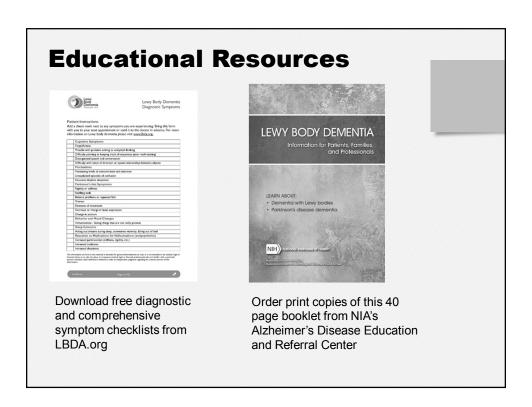
- Focus more on the individual than the disorder
- Maintain a sense of humor
- Limit noise and distractions
- Simplify questions and expectations
- Keep a regular routine
- · Address underlying emotions instead of behavior.
- Stay flexible to fluctuating symptoms
- Don't accept sudden changes as a "normal" progression

Help Relieve Caregiver Burden



- If you or the family suspects LBD urge a second opinion at a specialty clinic
- Encourage learning about LBD and talking with other caregivers
- LBD is likely to overstress and burden families.
 - · Encourage them to accept help
 - · Remind caregivers their well-being is equal to patient well-being
 - · Recommend community-based services and resources
 - · Watch for grieving





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