### Let's Chat About Thinking: Is this related to dementia, or is this a new problem?

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# The Role of the Brain is to Help us Survive Independently

Normal Cognition

#### Mild Cognitive Impairment

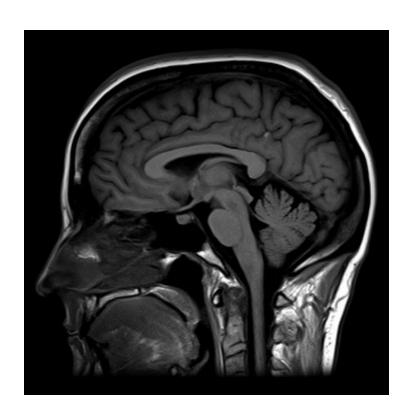
My brain has some cognitive change, but compensates and can survive on its own

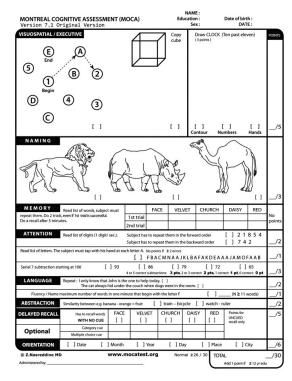
#### **DEMENTIA**

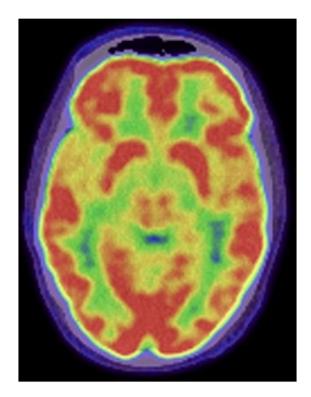
My brain needs help surviving independently



# Doctors can use various tools to figure out if the cognitive change you are experiencing is the first sign of dementia, or if it is a non-dementia problem.







Depending on the cause, dementias can look very different. Some people may have hallucinations or paranoia; others have tremor or sleepiness. Some dementias progress in a year, others last decades.









## Specific dementias can be associated with prototypic symptoms or patterns:

#### - Alzheimer's Disease

- Repetition of stories
- Unawareness of symptoms
- Normal social cues
- Slow and progressive over decade

#### - Vascular Disease

- Obstructions in blood flow, stroke
- Attention impairments, good days/bad days
- Gait abnormalities, falling

#### Lewy Body Disease

- Visual hallucinations
- Fluctuating attention and alertness
- Parkinsonian features
- Sleep disturbances, dream enactment

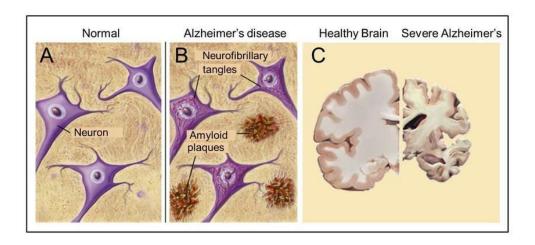
#### - Frontotemporal Disease

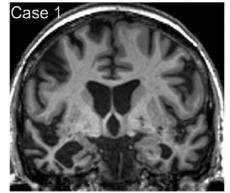
- Impulsive and obsessive behaviors
- Loss of empathy or apathy
- Not knowing what is right or wrong

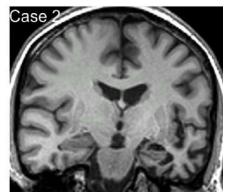


Because dementias can cause structural and chemical changes in the brain, there are other symptoms that may relate to dementia.

The brain helps us do everything from sensation, to emotional processing, to sleep regulation, to hormone balance.









### Depending on what networks of the brain are affected by the disease, we can have sensory and somatic (body function) changes:

#### SLEEP AND CIRCADIAN RHYTHM ABNORMALITIES

- Insomnia
- Sleep-wake disturbance
- Sundowning
- Hypersomnia
- Decreased Alertness

#### APPETITE, CHEWING AND WEIGHT LOSS

- Dysphagia
- Increased Appetite
- Low Appetite, No Appetite
- Inability to taste or smell food
- Loss of control when eating
  - Binge eating
  - Binge drinking
  - Binge habits

#### LOSS OF SENSORY PROCESSING

- Inability to taste or smell food
- Inability to process textures, colors, and lights
- Loss of auditory processing
  - Difficulty understanding and processing directions
  - Hearing loss is separately associated with dementia

#### COORDINATION, BALANCE AND WALKING

- Movement initiation and coordination
- Balance and how to accommodate to changes in the ground
- Overall generalized weakness of the muscle



#### WHAT IS USUALLY NOT DIRECTLY RELATED TO DEMENTIA:

- 1. Infectious symptoms or immunosuppression
- 2. Blood in urine, stool, vomit
  - Vomiting, diarrhea, frequent urination or stooling
- 3. Masses, tumors, lumps or skin changes
- 4. Visual or hearing acuity changes (more processing)
- 5. Sudden changes in alertness or behavior (think stroke)
- 5. Seizures, shaking (though may increase risk)

Please seek alternate medical work-up if these symptoms are apparent. Often medical illness can cause DELIRIUM, which is a temporary worsening in other dementia symptoms (more confused).

This can sometimes last for a few weeks.

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