

Overview

- Dementia and Alzheimer's Care, PLLC
- · Dementia Overview
- Types of Dementia
 - Prevention
- · Treatment and Staging
- Q&A





Overview

- 7. 918 individuals turn 65 daily
- 330 individuals turn 65 per hour
- 10 million baby boomers will develop dementia
- Every 71 seconds someone is dx with AD
- Midcentury every 33 seconds someone will be dx with AD
- 67.8% have dementia in ALF
- 34% of the 67.8% have significant behavioral symptoms associated with the dementia
- 27% moderate to severe dementia
- Out \$3 of \$5 of Medicare dollars goes to pay for dementia care in the United States



Dementia and COVID by the Numbers

- Data from the Office of National Statistics (ONS) from March 7 to May 1 showed
 that dementia and Alzheimer's Disease and 'symptoms, signs and ill-defined
 conditions', mainly indicating old age, account for two-thirds of the total number
 of non-COVID-19 excess deaths.
- The leading Alzheimer's research charity has emphasized that more research is needed to help understand why there has been such a significant increase in the number of people dying from dementia.
- Figures from the Office for National Statistics have shown that dementia and Alzheimer's disease were the two most common pre-existing conditions found among deaths involving COVID-19. The findings highlighted that they were linked to 6,887 deaths, which amounted to 20.4% of all deaths involving COVID-19.
- They also showed that compared with the five-year average, the rate of deaths
 due to dementia and Alzheimer's disease was significantly higher in April 2020.

2/17/2021

ementia and Alzheimer's Care III C

Dementia Overview

Not a specific disease

Collection of symptoms characterized by:

- Impaired intellectual functioning
- · Loss of problem solving ability
- Emotional ability
- Personality changes
- Behavioral
- Memory loss

Not a normal part of aging



Dementia Overview

D-Degenerative, depression, drugs

E-Endocrine

M-Metabolic, myelin

E-Epilepsy

N-Neoplasm, nutrition

T-Toxic, trauma

I-Infection, inflammation, inherited, infarction (TB, Lime Disease, Lupus, CVA)

A-Atherosclerotic, vascular (Blood flow, Vascular Disease)

S-Structural, systemic

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Dementia and Alzheimer's Care, LLC

Dementia Overview

- Cortical Atrophy
- Mild Cognitive Impairment
 - Amnesic-Most Common
 - Multiple Domain- Language Deficits, Judgement impairments and/or accompany declines in memory
- MCI and AD
- · AD 71% of all Dementias



Cognitive and Memory not associated with Normal Aging

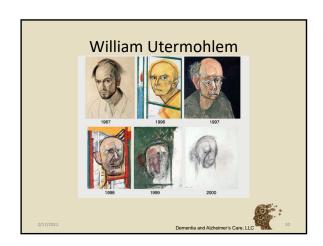
- Frequent Memory Lapses
- Forgetting how to do things
- · Difficulty learning new materials
- Repeating questions or conversations
- Indecisiveness
- Difficulty handling money
- · Losing track of daily events



Dementia Overview

- 5 As
 - Amnesia: Recognition/Retrieval of New Information
 - Aphasia: Language
 - Apraxia: Carrying out Motor Movements
 - Motor Memory and Motor Movements
 - Agnosia: Recognition of People, Places, Environment
 - Attention/Concentration: Gait and Weight Loss





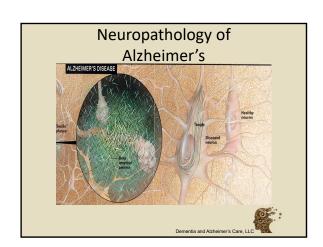
Types of Dementia

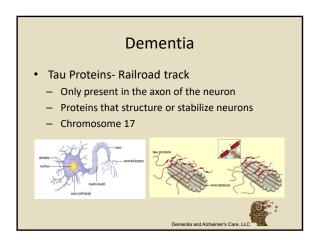
Not all forms of dementia are progressive

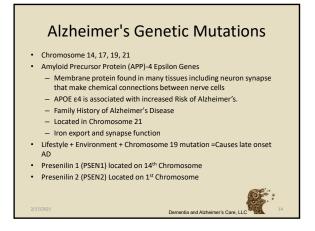
- 1. Alzheimer's Dementia (AD) most common
- 2. Vascular Dementia (VaD)/Multi-Infarct Dementia
- 3. Lewy Body Dementia (LBD)
- 4. Parkinson's Dementia
- 5. Frontotemporal Lobar Dementia (FTD)
 - A. Behavior Variant (BvFTLD)
 - B. Semantic Dementia/Temporal Varient (Tv-FTLD)
 - C. Primary Progressive Aphasia (PPS-FTLD)



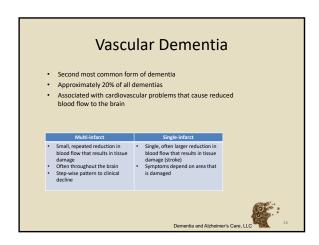


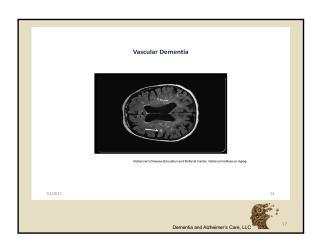




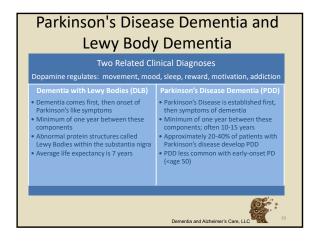








Vascular Dementia: Clinical Characteristics Slowed thinking - Hallucinations - Mood instability and delusions - Laughing or - Dizziness /leg or crying inappropriately (Pseudobulbar arm weakness /tremors Affect) Confusion, which may get worse at night Coordination/bal ance issues - Incontinence Personality changes and loss of social skills Slurred speech; word search Memory problems



Parkinson's Disease Dementia (PDD)

- · Symptoms:
 - Visual Hallucinations
 - Excessive daytime sleeping or disruption in sleep
 - Changes in memory, concentration and judgment
 - Trouble interpreting visual information.
 - Slurred speech
 - Swallowing issues
 - Low volume or soft voice that is hard to hear
 - Delusions, especially paranoid ideas
 - Depression
 - Irritability and anxiety

Lewy Body Dementia

- Changes in thinking and reasoning.
- · Confusion and alertness that varies significantly from one time of day to another or from one day to the next.
- Parkinson's symptoms, such as a hunched posture, balance problems and
- Visual hallucinations.
- Delusions.
- Trouble interpreting visual information.
- Acting out dreams, sometimes violently, a problem known as rapid eye movement (REM) sleep disorder.
- · Malfunctions of the "automatic" (autonomic) nervous system.
- Memory loss that may be significant but less prominent than in



Frontotemporal Dementia (FTD)

- Group of progressive degenerative diseases characterized by shrinking of the frontal and temporal lobes of the brain
- · Estimated 10-15% of all dementias
- Symptoms usually emerge between age 40-65
- On average, 6-8 year life expectancy
- 3 Main Types
 - Behavioral Variant FTD (bvFTD): Changed behavior; judgment
 - Semantic Dementia/Temporal Varient (Tv-FTLD)
 - Primary Progressive Aphasia (PPS-FTLD)



Frontotemporal Dementia



Pharmacological Treatments

- · All medications used to treat Alzheimer's and other forms of dementia are <u>not</u> designed to slow the progression of the disease rather are designed to help improve cognitive functions, learning and memory.
- There are two types of medications.
 - Cholinesterase Inhibitors (Aricept, Exelon, Razadyne)
 - Memantine (Namenda).
- Medications Impacts
 - Early Stages
 - Middle Stages-Combine Medications
 - Late Stages

Pharmacological Approaches to **Symptom Management** · Pharmacological to treat sundowning,

behaviors and Depression

Seroquel

Trazadone

SSRI

Benzo

Neurocognitive Tools

- ✓ St. Louis University Mental Status Exam (SLUMS)
- ✓ Mini Mental Status Exam (MMSE)
- ✓ Clock Drawing Test
- ✓ Brief Cognitive Rating Scale
- √ Global Deterioration Scale
- ✓ Caregiver Burden Test



MMSE and Function in the Home

Brief Cognitive Rating Scale

- - Concentration
 - Recent Memory
 - Past Memory
 - Orientation
 - ADL & Functional Abilities
- · Each axis is measured on a scale of 1-7
 - Scores from each axis added then divided by 5
- Higher scores indicate higher level of impairment



Global Deterioration Scale

Rating scale

- 1: No cognitive impairment
- 2: Very mild cognitive decline
- 3: Mild cognitive decline
- 4: Moderate cognitive decline
- 5: Moderately severe cognitive decline
- 6: Severe cognitive decline
- 7: Very severe cognitive decline

Used with Brief Cognitive Rating Scale



