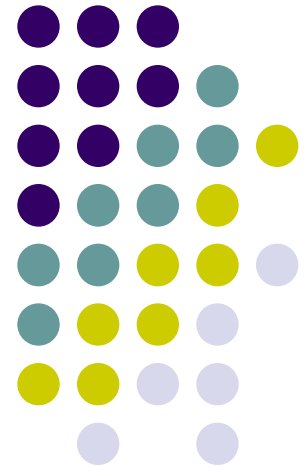


Alzheimer disease and other mental impairments

Medications for Alzheimer
disease

Zvereva Mila
school of pharmacy

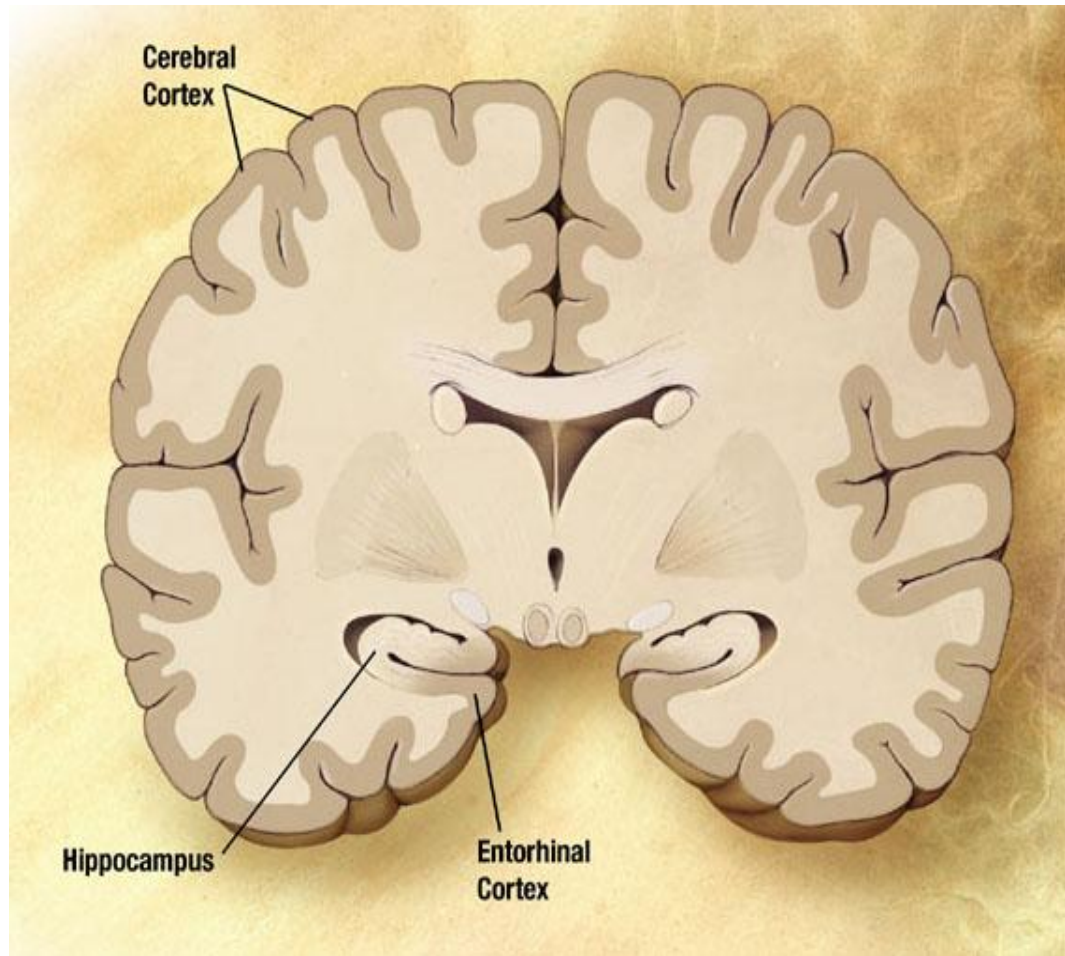
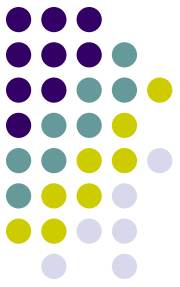




Cognitive impairment

- Neurodegenerative diseases
- Vascular diseases
- Combined (neurodegenerative-vascular) diseases
- Dismetabolic encephalopathy and intoxications
- Neuroinfections and intoxications
- Traumatic brain injury
- Brain tumor
- Liquor dynamic impairments

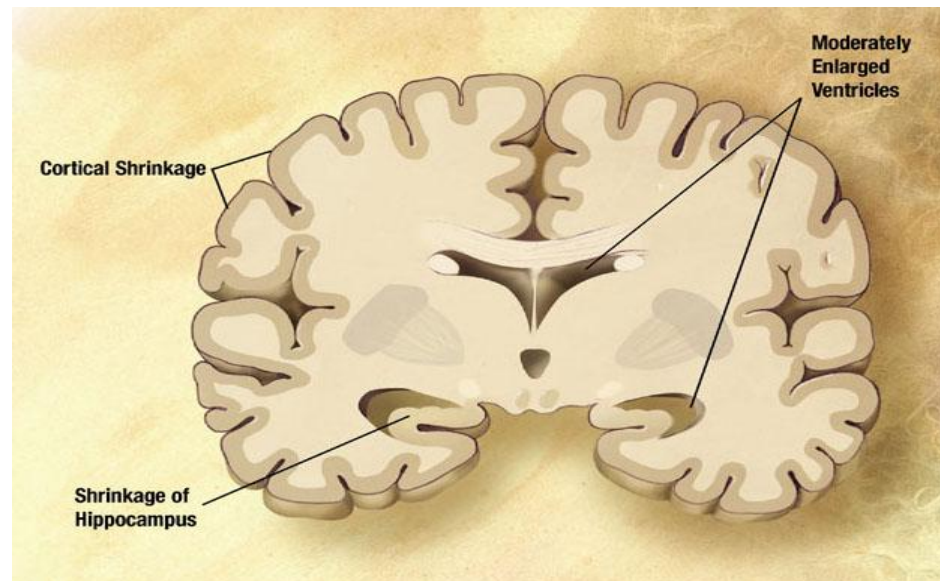
Preclinical Alzheimer disease



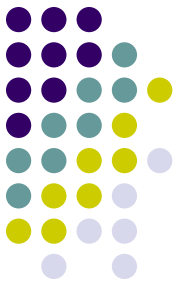
Mild Alzheimer disease



- Memory loss
- Confusion about the location of familiar places
- Taking longer to accomplish normal, daily tasks
- Trouble handling money and paying bills
- Compromised judgment, often leading to bad decisions
- Loss of spontaneity and sense of initiative
- Mood and personality changes; increased anxiety



Moderate Alzheimer disease

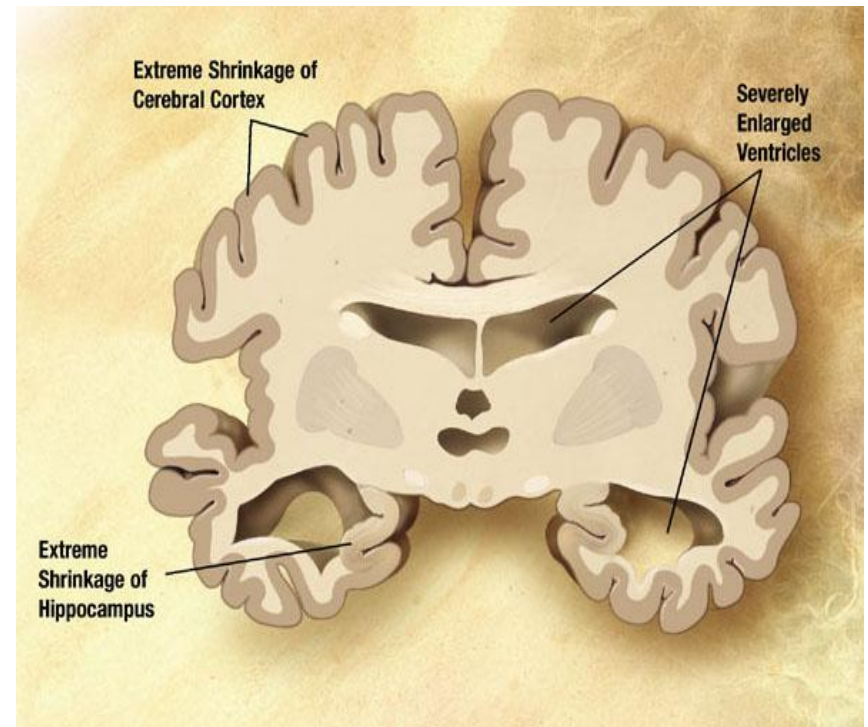


- Increasing memory loss and confusion
- Shortened attention span
- Problems recognizing friends and family members
- Difficulty with language; problems with reading, writing, working with numbers, studying
- Difficulty organizing thoughts and thinking logically
- Restlessness, agitation, anxiety, tearfulness, wandering, especially in the late afternoon or at night
- Hallucinations, delusions, suspiciousness or paranoia, irritability
- Loss of impulse control
- Perceptual-motor problems

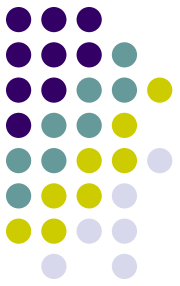
Severe Alzheimer disease



- Weight loss
- Seizures, skin infections, difficulty swallowing
- Groaning, moaning, or grunting
- Increased sleeping
- Lack of bladder and bowel control
- Completely dependent on others for care



Ethiology



- Advancing age
- Family history
- APOE 4 genotype
- Obesity
- Insulin resistance
- Vascular factors
- Hypertension
- Inflammatory markers
- Down syndrome
- Traumatic brain injury





Prevention



- Physical activity
- Exercise
- Cardiorespiratory fitness
- Mediterranean diet



Management

- Antidepressants
- Anxiolytics
- Antiparkinsonian agents
- Beta-blockers
- Antiepileptic drugs
- Neuroleptics



Cholinesterase Inhibitors



- Donepezil (Aricept, Aricept ODT)
- Rivastigmine (Exelon, Exelon Patch)
- Galantamine (Razadyne, Razadyne ER)



N-Methyl-D-Aspartate Antagonists



- Memantine (Namenda, Namenda XR)



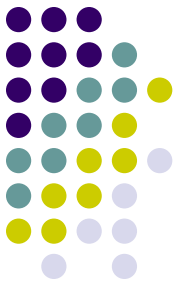
Nutritional Supplement



- Caprylidene (Axona)



The End



Thank You!

A large, colorful brushstroke graphic in the shape of a rainbow, with colors transitioning from blue on the left to red, orange, yellow, and green on the right. The brushstrokes are thick and textured, giving it a hand-painted appearance.