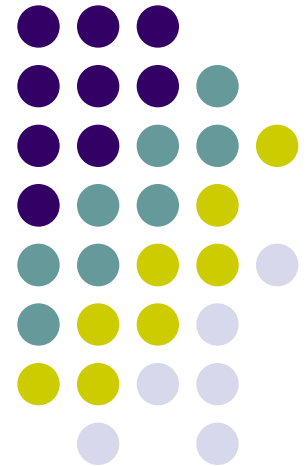


# Alzheimer disease and other mental impairments

Medications for Alzheimer disease

Zvereva Mila  
school of pharmacy

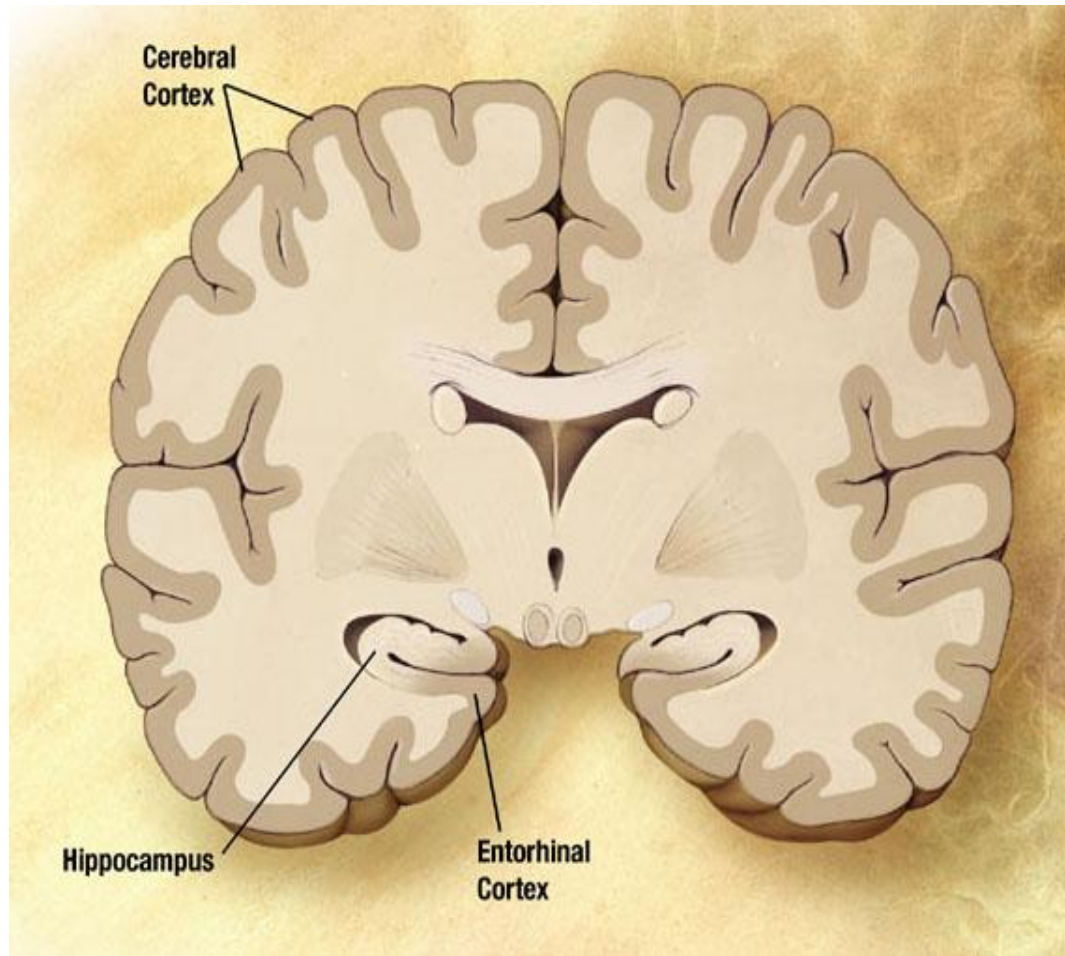


# Cognitive impairment



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

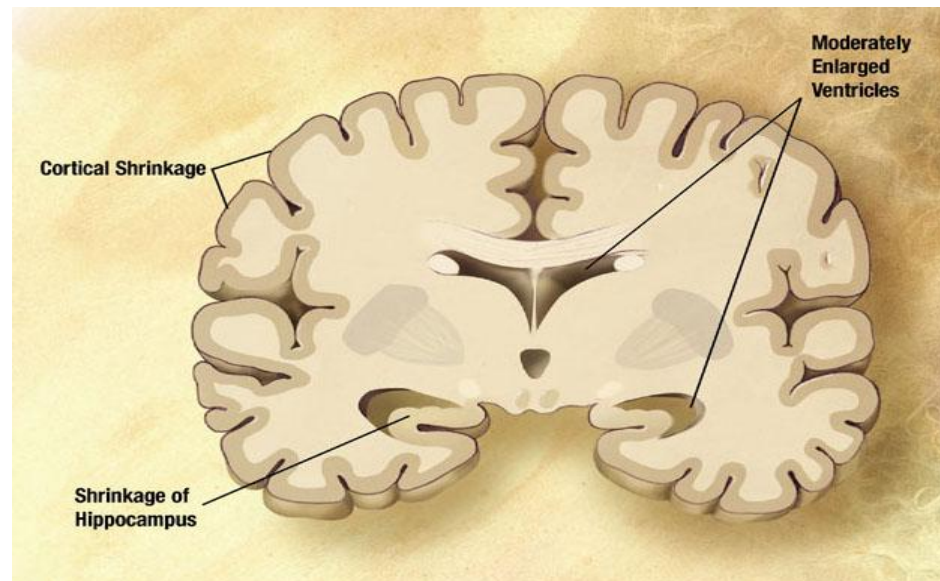
# *Preclinical Alzheimer disease*



# *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*

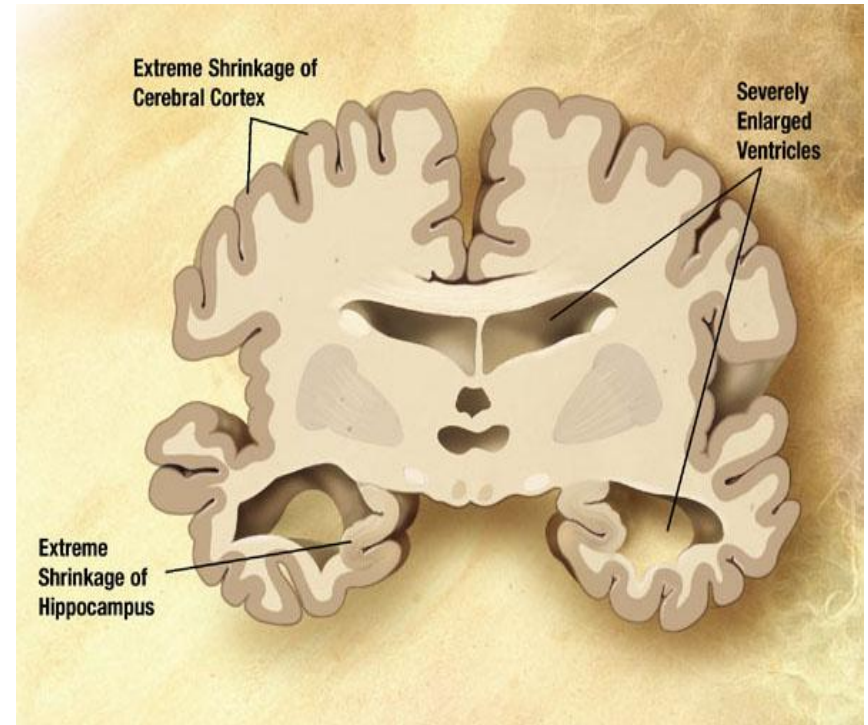


- Increasing memory loss and confusion
- Shortened attention span
- Problems recognizing friends and family members
- Difficulty with language; problems with reading, writing, working with numbers, studying
- Difficulty organizing thoughts and thinking logically
- Restlessness, agitation, anxiety, tearfulness, 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*

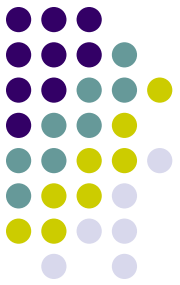


- Physical activity
- Exercise
- Cardiorespiratory fitness
- Mediterranean diet



# 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, stylized graphic of the words "Thank You!" written in a cursive script. The text is positioned above a series of horizontal brushstrokes in various colors, including blue, purple, pink, red, orange, and yellow, creating a vibrant, artistic background for the text.