Alzheimer’s Disease

Symptoms
• 7 stages detailing cognitive and functional ability
• Memory
• Confusion about time and place
• Problems with words in speaking and writing
• Mood and personality changes.

Causes
• Beta-Amyloid hypothesis
• Tau Hypothesis
• Cholinergic Hypothesis
• Genetics
• ->Loss of Neurons and Synapses in Cerebral Cortex & other area
• -> Significant atrophy and degeneration

EFFECT ON BRAIN

http://www.alz.org/braintour/alzheimers_changes.asp
Alzheimer’s Disease

Treatment
• Pharmaceuticals
  o Acetyleneeusterase inhibitors
    ▪ Early to moderate stage inhibitors
  o Memantine
    ▪ Moderate to Late stage
  o Vitamin E
• Clinical Trials
• Therapy
  o Apply changes in environment to allow more comfort
  o Avoid confrontational situations
  o Maintain a calm environment
  o Security Object
  o Maintain structured daily schedule

http://www.alz.org/Alzheimer’s_disease_treatments.asp
http://www.nia.nih.gov/Alzheimer’s/clinical-trials