

Parkinson's Disease Amy Chen

Background

- * Original name "Paralysis Agitans"
- * James Parkinson's discover the six symptoms to the Parkinson's disease

Symptoms

- * Tremor
- *** Slowed Movement**
- * Rigid Muscle
- * Impaired Posture and Balance
- * Loss of automatic movement
- * Speech changes

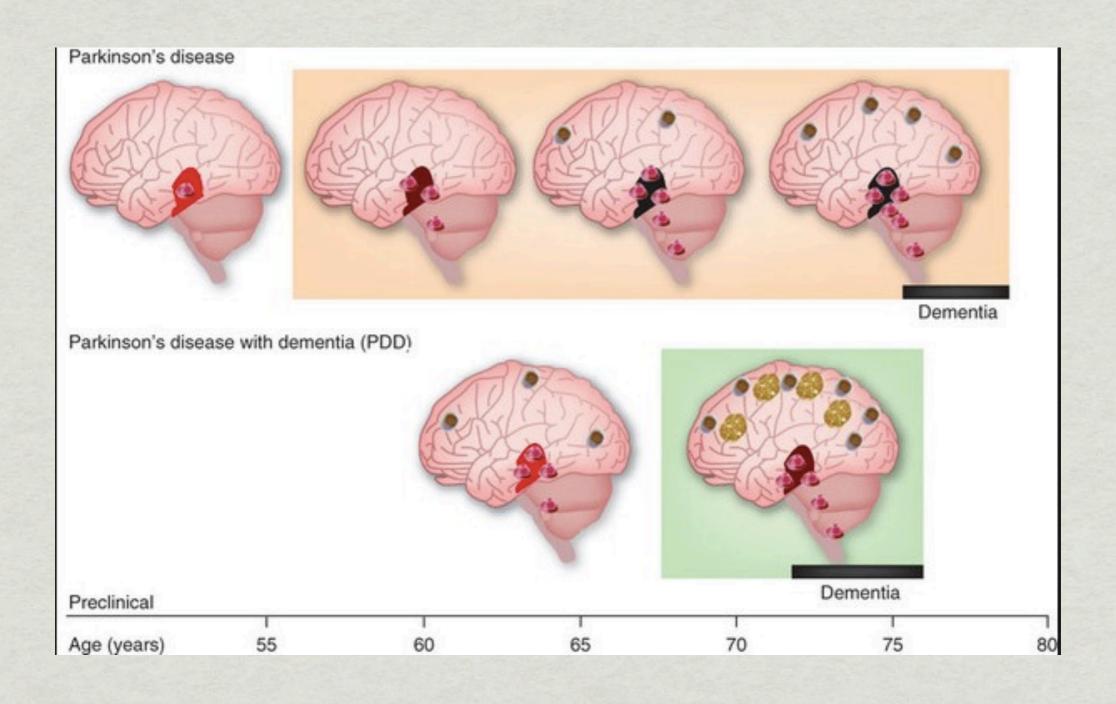
Cause of Parkinson's

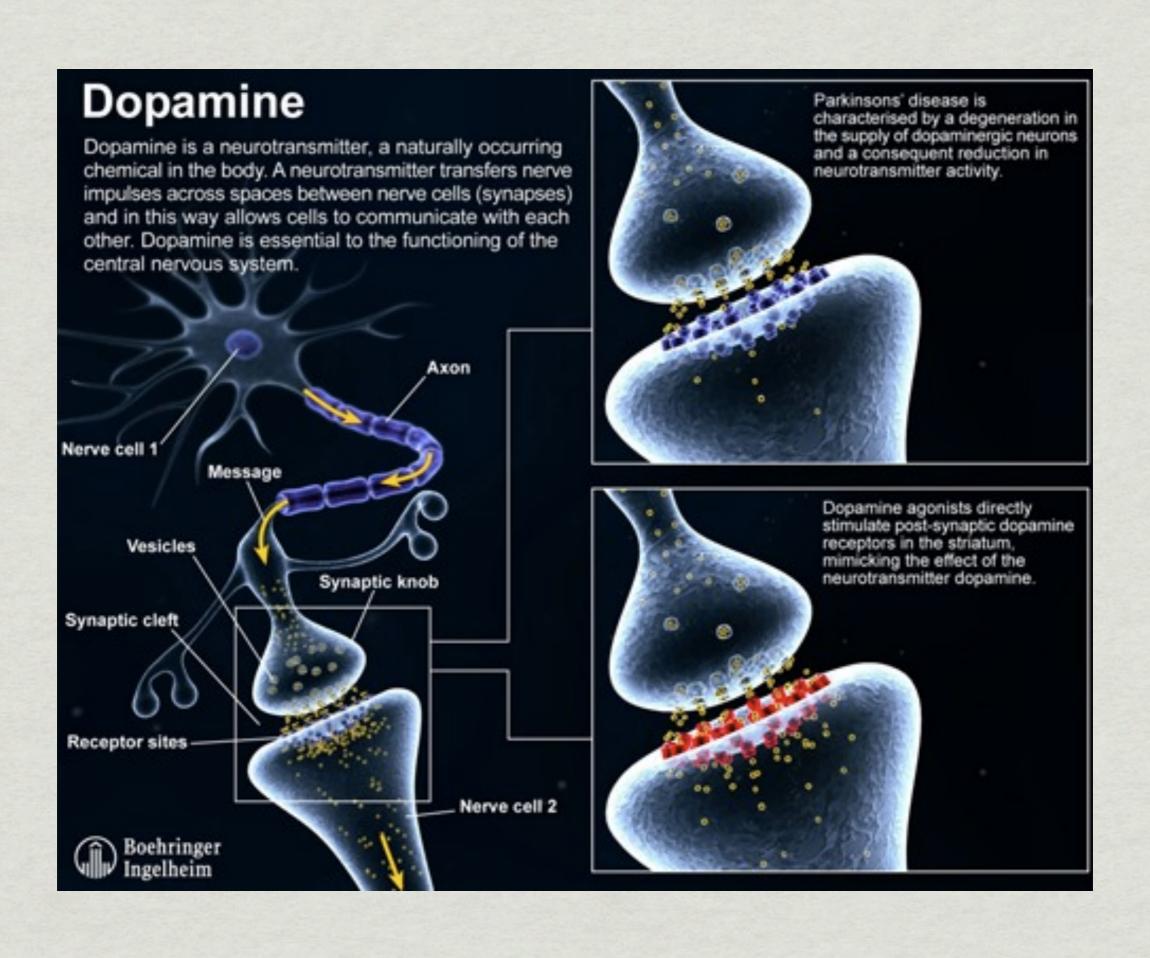
- ***** Genetic Trigger
- * Environmental Trigger
- * Impairment or deterioration of neurons in an area of the brain known as the substantia nigra.
- * Lack of dopamine for the neuron to communicate

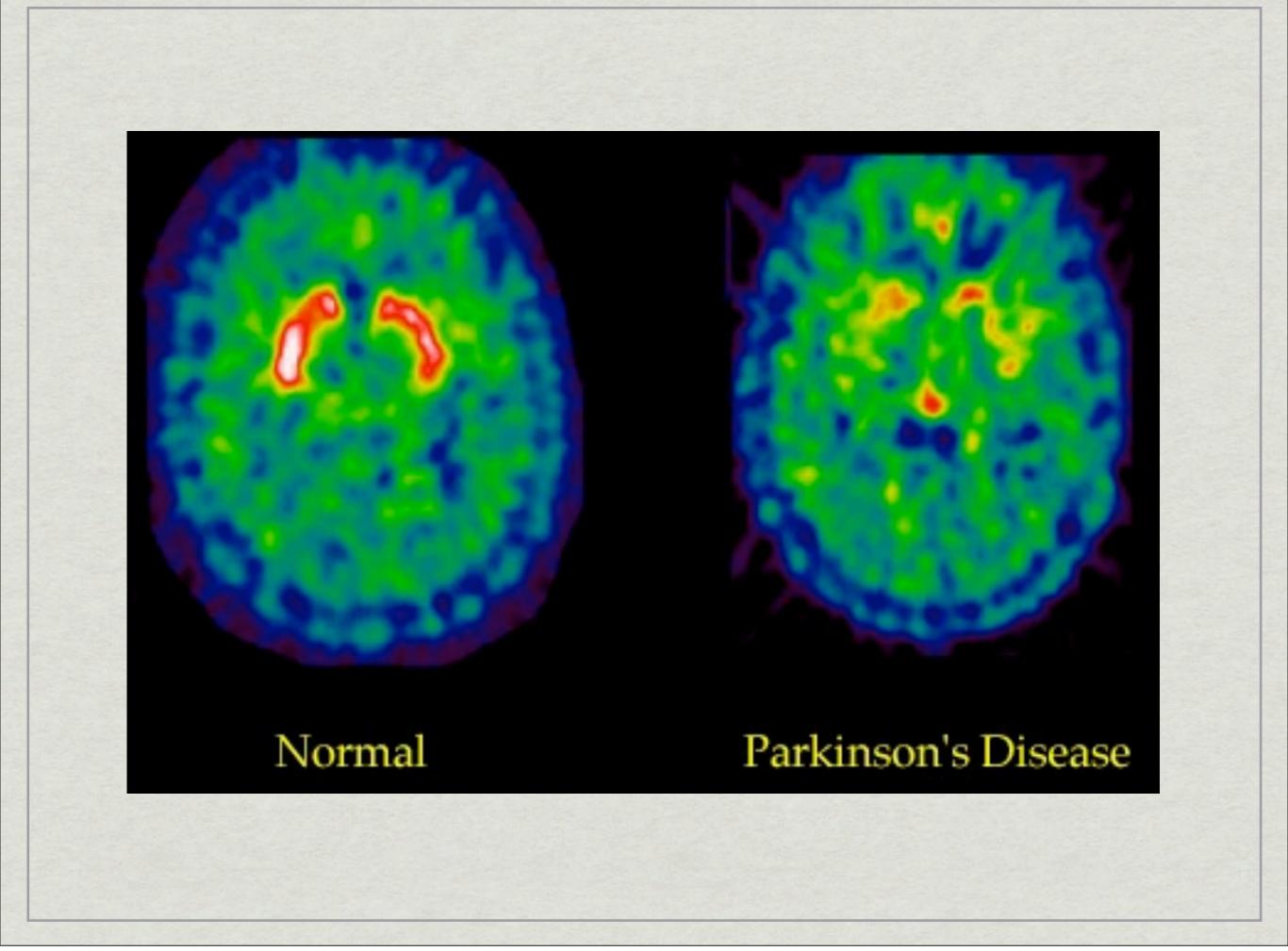
Dopamine

- * A neurotransmitter of the catecholamine and phenethylamine families that plays an important roles in the human brain and body.
- * Responsible to release chemical by nerve cells to send signals to other nerve cells

Stages of Parkinson's







Men vs Women

* More men are diagnose by Parkinson's Disease than women

Treatment

- * No cure to Parkinson's Disease
- * There are Medication and Therapy to treat its symptoms
- * Surgical procedures

Medication

- * Carbidope-levodopa
- * Dopamine Agonists
- ***** MAO-B Inhibitors
- * Catechol O-methyltransferase Inhibitors
- * Anticholinergics
- * Amantadine

Surgical Procedures

- * Deep Brain Stimulation
 - * Implant electrodes into specific part of your brain
 - * Connected to a generator implanted into your chest near your collarbone that sends electrical pulses to your brain and reduce symptoms

Fun Fact

* Smoking reduce the risk of having Parkinson's Disease