

Extrapyramidal Motor System

Function = Motor Programming

subconscious patterns of movement that occur when carrying out learned/skilled movements

* "smoothly orchestrated movement"

* "refining motor data"

Major Nuclei

① Basal Ganglia

- A. Caudate
- B. Putamen
- C. Globus Pallidus
 - GPi
 - GPe

② Subthalamic Nucleus

③ Substantia Nigra

Subthalamic Nucleus

- sends excitatory projections to GPi

Substantia Nigra

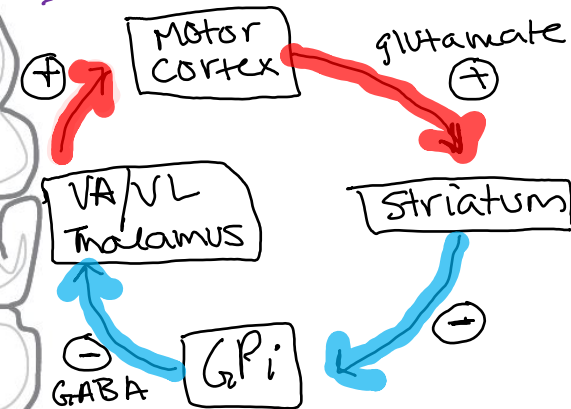
- located in Midbrain
- contains melanin
- releases dopamine

Basal Ganglia

- ① Caudate
 - ② Putamen
 - ③ Globus Pallidus
- "Lentiform Nucleus"

"Direct"

EPS Pathway



* Overall effect is to increase excitatory thalamic input to the cortex which facilitates normal movement

* The Indirect Pathway decreases excitatory drive & thus balances the excitatory input to facilitate normal movement

