

# Index of Neuro archives

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## 1 Neuroanatomy

### 1.1 Basal Ganglia

#### [Basal ganglia \(Overview\)](#)

- [Striatum](#) (Caudate nucleus & Putamen)
- [Lentiform Nucleus](#) (Putamen + Globus pallidus)
- [Caudate Nucleus](#)
- [Putamen](#)
- [Globus pallidus](#)
- Subthalamic nucleus (ST Nuclues)
- Substantia Nigra

Basal Ganglia Nuclei Types:

- Input Nuclei
- Output Nuclei
- Intrinsic Nuclei

Basal ganglia pathways:

- Indirect pathway
- Direct Pathway
- Nigrostriatal Pathway

## 1.2 Cranial Nerves & Nuclei

### Cranial Nerve Nuclei

- Somatic motor nuclei:
  - Oculomotor Nucleus
  - Trochlear Nucleus
  - Abducens Nucleus
  - Hypoglossal Nucleus
- Branchial Motor Nuclei:
  - Trigeminal Motor Nucleus
  - Facial Nucleus
  - Nucleus Ambiguus
  - Spinal Accessory Nucleus
- Parasympathetic Nuclei:
  - Edinger-Westphal Nucleus
  - Superior Salivatory Nucleus
  - Inferior Salivatory Nucleus
  - Dorsal Motor Nucleus of the Vagus

Sensory Nuclei:

- Visceral Sensory Column:
  - Rostral portion of Nucleus Solitarius
  - Caudal portion of Nucleus Solitarius
- General Somatosensory Nuclei:
  - Trigeminal Sensory nuclei

- \* Mesencephalic nucleus of CN V
- \* Main sensory nucleus of CN V
- \* Spinal Trigeminal nucleus
- Special Somatic Sensory Nuclei: Hearing & Balance
  - Cochlear Nuclei
  - Vestibular Nuclei

## Cranial Nerves

- CN I Olfactory Nerve
- CN II Optic Nerve
- CN III Oculomotor Nerve
- CN IV Trochlear Nerve
- CN V Trigeminal Nerve
- CN VI Abducens Nerve
- CN VII Facial Nerve
- CN VIII Vestibulocochlear Nerve
- CN IX Glossopharyngeal Nerve
- CN X Vagus Nerve
- CN XI Accessory Nerve
- CN XII Hypoglossal Nerve

## 1.3 Tracts

### 1.3.1 Ascending Tracts

- Dorsal Column Medial Lemniscus (DCML)
  - Fasciculus Cuneatus
  - Fasciculus Gracilis
- Cuneocerebellar Tract
- Dorsal Spinocerebellar Tract
- Ventral Spinocerebellar Tract
- Spinothalamic Tract
- Trigeminothalamic Tract
- Spinoreticular Tract
- Spinomesencephalic Tract
- Spinohypothalamic Tract
- Cochlear Pathway
- Taste Pathway
- Vision Pathway

### **1.3.2 Descending Tracts**

- [Pyramidal Tracts](#)
  - [Lateral Corticospinal Tract \(LCST\)](#)
  - [Medial Corticospinal Tract \(MCST\)](#)
  - [Corticobulbar Tract](#)
- [Extrapyramidal tracts](#)
  - [Rubrospinal Tract](#)
  - [Vestibulospinal Tract](#)
  - [Tectospinal Tract](#)
  - [Reticulospinal Tract](#)

## **2 Neurophysiology**

### **2.1 Neuro Symptoms**

- [Anosmia](#)

### **2.2 Special Senses**

- [Gustation](#)
- [Olfaction](#)

## **3 Neuropathology**

### **3.1 PNS Pathologies**

### **3.2 CNS Pathologies**

[Amyotrophic Lateral Sclerosis \(ALS\)](#)