

1. Cranial Nerve I (Olfactory Nerve)

- Type: Sensory.
- Function: Smells.
- Results of lesions: Anosmia.
- Only cranial nerve without thalamic relay to cortex.

2. Cranial Nerve II (Optic Nerve)

- Type: Sensory.
- Function: Sight.
- Results of lesions:
 - Visual field deficits (Anopsia).
 - Loss of light reflex.

3. Cranial Nerve III (Oculomotor nerve):

- * The oculomotor nerve (III), trochlear nerve (IV), and abducens nerve (VI) coordinate eye movement.
- * Type: motor.
- * Innervates all extraocular muscles (EXCEPT SO4 & LR6) as superior rectus (SR), inferior rectus (IR), medial rectus (MR) and inferior oblique (IO).
- * The action of the ocular muscles innervated by oculomotor nerves is elevation and adduction of the eye (up and in), and the most important action is adduction
- * - CN III has both Motor (Middle) and Parasympathetic (Peripheral) components.
- * lesion of oculomotor nerve will result in:
 1. down and out eye position (diplopia & external strabismus)
 2. ptosis (drooping of the eyelid).
 3. mydriasis & loss of light reflex
 4. loss of accommodation (near response). (loss of Convergent)
 5. Divergent



