

# Cranial nerve nucleus

A [cranial nerve nucleus](#) is a collection of [neurons](#) (gray matter) in the [brainstem](#) that is associated with one or more cranial nerves. Axons carrying information to and from the cranial nerves form a synapse first at these nuclei. Lesions occurring at these nuclei can lead to effects resembling those seen by the severing of nerve(s) they are associated with. All the nuclei except that of the trochlear nerve (CN IV) supply nerves of the same side of the body.

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