Cranial Nerve Brain Stem Nuclei and Exit Sites from Brain

NUCLEI IN BRAIN STEM

NUCLEI IN BRAIN STEM
MIDBRAIN
PONS
MEDULLA
NUCLEI IN BRAIN STEM

- Trigeminal (V) mesencephalic (proprioception)
- Trigeminal (V) chief (touch)
- Trigeminal (V) spinal (pain & temperature)
- Vestibular & cochlear (VIII)
- Nucleus (tractus) solitarius

Somatic
Taste & baroreceptors
Hearing/balance

SOMATIC

MOTOR

Oculomotor (III)
Trochlear (IV)
Abducent (VI)
Facial (VII)
Nucleus ambiguus (branchiomotor)

Hypoglossal (XII)

Somatic
Parasympathetic
Branchiomotor
CRANIAL NERVES LEAVING THE BRAIN

Olfactory bulb
Optic
Oculomotor
Trigeminal

Olfactory tract
Trochlear
Abducent