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The Efferent System
of Cranial Nerve Nuclei:
A Comparative
Neuromorphological Study

With 18 Figures



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Abbreviations

Add	adductor
CER	cerebellum
Cc	central canal
Cct	cricothyroideus
CI	colliculus inferior
CS	colliculus superior
C2	second cervical root of spinal cord
D	dorsal
dmX	dorsal motor nucleus of vagus nerve
eso	esophagus
EW	nucleus of Edinger-Westphal
HRP	horseradish peroxidase
IO	inferior oblique muscle of eyeball
IR	inferior rectus muscle of eyeball
l, L	lateral
Lar	laryngeal muscles
LR	lateral rectus muscle of eyeball
m	medial
mlf	medial longitudinal fasciculus
MR	medial rectus muscle of eyeball
n, nn	nucleus, nuclei
nspV	spinal nucleus of trigeminal nerve
nIII	motor nucleus of oculomotor nerve
nIV	motor nucleus of trochlear nerve
nV	primary motor nucleus of trigeminal nerve
nVa	accessory nucleus of trigeminal nerve
nVm	main nucleus of trigeminal nerve
nVI	main nucleus of abducens nerve
nVIa	accessory nucleus of abducens nerve
nVII	primary motor nucleus of facial nerve
nVIIa	accessory nucleus of facial nerve
nVIIIm	main nucleus of facial nerve
nIX	motor nucleus of glossopharyngeal nerve
nX	motor nucleus of vagus nerve
nXI	nucleus of accessory nerve
nXII	nucleus of hypoglossal nerve

Ph	constrictor pharyngis
Pro	protractor
R	rostral
Retr	retractor
SAL	superior salivatory nucleus
SO	superior oblique muscle of eyeball
SOL	solitary tract and nucleus
SR	superior rectus muscle of eyeball
stap	stapedius neurons
sty	stylopharyngeus
sy	sympathetic neurons
TO	tectum opticum
tt	tensor tympani
tspV	spinal tract of trigeminal nerve
4th	fourth ventricle
V	trigeminal nerve
Vint	intermediate trigeminal subnucleus
Vv	ventral subnucleus of trigeminal nerve
VII	facial nerve
VIIv	ventral facial subnucleus
VIIId	dorsal facial subnucleus
VIII	statoacoustic nerve
IX	glossopharyngeal nerve
X	vagal nerve
XI	accessory nerve
XII	hypoglossal nerve