

Rules and Exceptions in the Head and Neck. Part 1

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All intrinsic muscles of larynx lie inside larynx	Cricothyroid which lies on outside of larynx
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All muscles of larynx are supplied by recurrent laryngeal nerve	Cricothyroid which is supplied by external branch of superior laryngeal branch of vagus
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All intrinsic muscles of larynx close, shorten or tighten cords	Posterior crico-arytenoid which opens them
All intrinsic muscles of larynx open, close or loosen cords	Cricothyroid which tightens them
All muscles of larynx are supplied by recurrent laryngeal nerve	Cricothyroid which is supplied by external branch of superior laryngeal branch of vagus
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All muscles of larynx are supplied by recurrent laryngeal nerve	Cricothyroid which is supplied by external branch of superior laryngeal branch of vagus
PHARYNX:	EXCEPT
All muscles of pharynx are relaxed until a bolus arrives	Cricopharyngeus which is tonically closed but opens as bolus approaches
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All muscles of larynx are supplied by recurrent laryngeal nerve	Cricothyroid which is supplied by external branch of superior laryngeal branch of vagus
PHARYNX:	EXCEPT
All muscles of pharynx are relaxed until a bolus arrives	Cricopharyngeus which is tonically closed but opens as bolus approaches
All muscles of pharynx are supplied by pharyngeal plexus (IX, X, sympathetic)	Stylopharyngeus which is supplied by glossopharyngeal nerve & cricopharyngeus which is supplied by the recurrent laryngeal nerve
PALATE:	EXCEPT
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All muscles of palate are supplied by pharyngeal plexus (IX, X, sympathetic)	Tensor palati which is supplied by mandibular division of trigeminal nerve by a nerve branching off nerve to medial pterygoid (Vc)

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All nerves to muscles of eye pass through tendinous ring	

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EYE:	EXCEPT
All nerves to muscles of eye pass through tendinous ring	Trochlear (IV) which passes above it
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EYE:	EXCEPT
All nerves to muscles of eye pass through tendinous ring	Trochlear (IV) which passes above it
All extrinsic muscles of eye are supplied by oculomotor nerve (III)	Superior oblique which is supplied by trochlear nerve & lateral rectus which is supplied by abducent nerve (VI)
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All extrinsic muscles of eye are supplied by oculomotor nerve (III)	Superior oblique which is supplied by trochlear nerve & lateral rectus which is supplied by abducent nerve (VI)
All extrinsic muscles of eye which are supplied by oculomotor nerve turn eye upwards or inwards	

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All extrinsic muscles of eye are supplied by oculomotor nerve (III)	Superior oblique which is supplied by trochlear nerve & lateral rectus which is supplied by abducent nerve (VI)
All extrinsic muscles of eye which are supplied by oculomotor nerve turn eye upwards or inwards	Inferior rectus which turns it downwards & inwards
CRANIAL NERVES 1:	EXCEPT
All cranial nerves have bilateral control from cortex	

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CRANIAL NERVES 1:	EXCEPT
All cranial nerves have bilateral control from cortex	Facial nerve to lower face
All cranial nerves leave brain stem (midbrain, pons and medulla)	Olfactory (I) & Optic (II) which are extended brain tissue emerging from further anteriorly
CRANIAL NERVES 1:	EXCEPT
All cranial nerves have bilateral control from cortex	Facial nerve to lower face
All cranial nerves leave brain stem (midbrain, pons and medulla)	Olfactory (I) & Optic (II) which are extended brain tissue emerging from further anteriorly
All branches of trigeminal nerve (V) enter cavernous sinus	

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All cranial nerves have bilateral control from cortex	Facial nerve to lower face
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All branches of trigeminal nerve (V) enter cavernous sinus	Mandibular division
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All cranial nerves leave brain stem (midbrain, pons and medulla)	Olfactory (I) & Optic (II) which are extended brain tissue emerging from further anteriorly
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All cell bodies for taste lie in geniculate ganglion	

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All branches of trigeminal nerve (V) enter cavernous sinus	Mandibular division
All cell bodies for taste lie in geniculate ganglion	IX and X which each have a sensory ganglion just below jugular foramen
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All sensory fibres in trigeminal nerve (V) have their cell bodies (nuclei) in trigeminal ganglion	

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All branches of trigeminal nerve (V) enter cavernous sinus	Mandibular division
All cell bodies for taste lie in geniculate ganglion	IX and X which each have a sensory ganglion just below jugular foramen
All sensory fibres in trigeminal nerve (V) have their cell bodies (nuclei) in trigeminal ganglion	Proprioception which has its cell bodies in mesencephalic part of trigeminal nucleus in brain stem
CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	

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Each of three main branches of trigeminal nerve (V) have three branches to skin	

CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	Motor fibres in its mandibular branch
Each of three main branches of trigeminal nerve (V) have three branches to skin	Ophthalmic branch which has five skin branches
CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	Motor fibres in its mandibular branch
Each of three main branches of trigeminal nerve (V) have three branches to skin	Ophthalmic branch which has five skin branches
All muscles of tongue are supplied by hypoglossal nerve (XII)	

CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	Motor fibres in its mandibular branch
Each of three main branches of trigeminal nerve (V) have three branches to skin	Ophthalmic branch which has five skin branches
All muscles of tongue are supplied by hypoglossal nerve (XII)	Palatoglossus which is supplied by pharyngeal plexus
CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	Motor fibres in its mandibular branch
Each of three main branches of trigeminal nerve (V) have three branches to skin	Ophthalmic branch which has five skin branches
All muscles of tongue are supplied by hypoglossal nerve (XII)	Palatoglossus which is supplied by pharyngeal plexus
All of the hypoglossal n (XII) passes lateral to all important structures in neck	

CRANIAL NERVES 2:	EXCEPT
All fibres in trigeminal nerve (V) pass through trigeminal ganglion	Motor fibres in its mandibular branch
Each of three main branches of trigeminal nerve (V) have three branches to skin	Ophthalmic branch which has five skin branches
All muscles of tongue are supplied by hypoglossal nerve (XII)	Palatoglossus which is supplied by pharyngeal plexus
All of the hypoglossal n (XII) passes lateral to all important structures in neck	Facial vein which passes lateral to the nerve