

I&I-TEST / Cranial Nerve Assessment

CN V TRIGEMINAL NERVE	1. <i>Mandible - opening against resistance</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
CN V TRIGEMINAL NERVE		Opening and strength against resistance normal	Opening is normal, strength is reduced against resistance	Opening is minimal, strength is reduced or absent against resistance	Jaw opening against resistance is not possible	
	2. <i>Jaw - lateralization</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
		Lateralization to both sides possible	Lateralization to only one side possible (minimal OR no lateralization to the contralateral side)	Minimal lateralization to both sides OR only to one side possible (not possible to the other side)	Jaw lateralization not possible	
	3. <i>Tactile sensation of the face</i>		Right	Left	See figure "Face"	
		<i>Eyebrows</i>	+ -	+ -		
		<i>Cheeks</i>	+ -	+ -		
		<i>Upper Lip</i>	+ -	+ -		
		<i>Lower Lip</i>	+ -	+ -		
		NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
		Sensation intact Score: 8/8	Sensation mildly impaired Score: 7/8 - 5/8	Sensation severely impaired Score: 4/8 - 2/8	Minimal or no sensation Score: 1/8 - 0/8	
4. <i>Tactile sensation - anterior 2/3 of the tongue</i>	1/3 Right	2/3 Right	1/3 Middle	2/3 Middle	1/3 Left	2/3 Left
	+ -	+ -	+ -	+ -	+ -	+ -
	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)		
	Sensation intact Score: 6/6	Sensation mildly impaired Score: 5/6 - 4/6	Sensation severely impaired Score: 3/6 - 2/6	Minimal or no sensation Score: 1/6 - 0/6		
CN VII FACIAL NERVE	1. <i>Eye closure</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
		Complete eye closure of both eyes	Eye closure in one or both eyes mildly impaired; Remaining opening: < 1/2 eye visible	Eye closure in one or both eyes severely impaired; Remaining opening: > 1/2 eye visible	Eye closure in one or both eyes not possible	
	2. <i>Eyebrow furrowing</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
		Contraction is normal and symmetrical	Contraction mildly asymmetric	Contraction severely asymmetrical or reduced contraction in both sides	No contraction in both sides	
	3. <i>Lips - Smile</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)	
	Contraction is normal and symmetrical	Contraction mildly asymmetric	Contraction severely asymmetrical or reduced contraction in both sides	No contraction in both sides		
4. <i>Lips - Pucker (Kiss)</i>	NORMAL (3)	MILD (2)	MODERATE (1)	SEVERE (0)		
	Contraction is normal and symmetrical	Contraction mildly asymmetric	Contraction severely asymmetrical or reduced contraction in both sides	No contraction in both sides		
CN IX GLOSSO-PHARYNGEAL NERVE	1. <i>Tactile sensation - posterior 1/3 of the tongue</i>	Right	Left			
		NORMAL (2)	MODERATE (1)		SEVERE (0)	
		Sensation intact on both sides of the tongue Score: 2/2	Sensation intact and/or reduced on only one side of the tongue Score: 1/2		Sensation is absent Score: 0/2	
2. <i>Gag reflex</i>	NORMAL (2)	MILD (1)		SEVERE (0)		
	Elicited	Hypo- or hyperstimulable		Not elicited		
VELAR FUNCTION	1. <i>Velar elevation</i>	NORMAL (2)	MODERATE (1)		SEVERE (0)	
		Normal contraction without nasal emission	Reduced contraction with mild nasal emission		No contraction with severe nasal emission	

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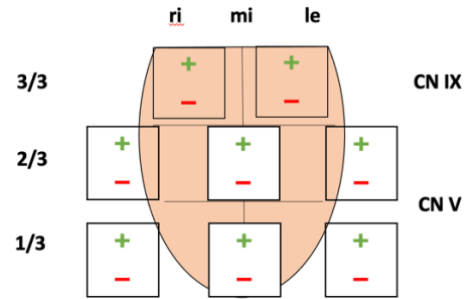
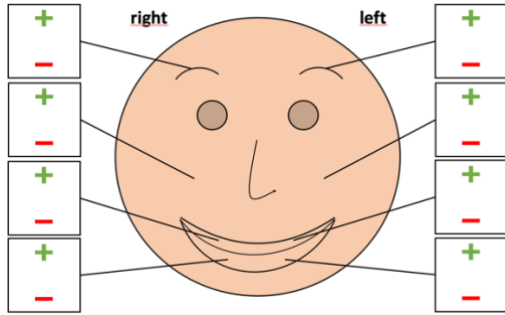
CN X VAGUS NERVE	1. Voluntary cough	NORMAL (3) Two successive, strong coughs	MILD (2) Two weak or one strong cough	MODERATE (1) One weak cough	SEVERE (0) No cough		
	2. Reflexive cough (Cough-Reflex-Test)	NORMAL (3) Two consecutive loud coughs with 2/3 the administration of 0.1 mol	MILD (2) Two consecutive loud coughs with 2/3 the administration of 0.2 mol	MODERATE (1) Two consecutive loud coughs with 2/3 the administration of 0.3 mol	SEVERE (0) Two consecutive loud coughs with 2/3 the administration of 0.4 mol OR no cough		
	3. Voice quality	NORMAL (3) No dysphonia	MILD (2) Mild dysphonia	MODERATE (1) Severe dysphonia	SEVERE (0) Aphonia		
	4. Wet voice	NORMAL (3) No wet voice	MILD (2) Wet voice. Secretions are cleared spontaneously	MODERATE (1) Wet voice. Secretions are cleared only when cued	SEVERE (0) Wet voice. Secretions cannot be cleared		
CN XII HYPOGLOSSAL NERVE	1. Tongue - Protrusion	NORMAL (3) 2/3 of the tongue can be protruded	MILD (2) 1/3 of the tongue can be protruded and/or a mild deviation is detectable	MODERATE (1) Less than 1/3 of the tongue can be protruded and/or a severe deviation is detectable	SEVERE (0) No tongue protrusion		
	2. Tongue - Elevation	NORMAL (3) Tongue tip elevation to soft palate with mouth wide open	MILD (2) Tongue tip elevation to soft palate with reduced mouth opening	MODERATE (1) Minimal tongue tip elevation	SEVERE (0) No tongue elevation		
	3. Tongue - Lateralization	NORMAL (3) Lateralization to both sides possible	MILD (2) Lateralization to only one side possible (minimal or no lateralization to the other side) and/or movement is supported by simultaneous movement of the mandible	MODERATE (1) Minimal lateralization to both sides or only to one side possible (not possible to the other side)	SEVERE (0) No tongue lateralization		
	4. Sliding the tongue along the dental arches	NORMAL (3) Movement along the upper and lower row of teeth possible	MILD (2) Movement is imprecise along either one or both rows of teeth	MODERATE (1) Movement is limited along either one or both rows of teeth	SEVERE (0) Movement is not feasible. No observable movement		
	5. Clicking	NORMAL (3) Clicking is possible with the entire tongue body and accompanied by an unequivocal (clicking) sound	MILD (2) Clicking is weak and only possible with the tongue tip. The sound has not been significantly altered	MODERATE (1) Hint of movement, but with simultaneous movement of the mandible. Altered or no sound	SEVERE (0) Clicking is not possible		
ANSA CERVICALIS CN XI-CI-CII	1. Head Control	<i>a) Extension-Flexion</i>		<i>b) Rotation right-left</i>		<i>c) Inclination right-left</i>	
		+	-	+	-	+	-
		NORMAL (3) 3/3 movements (a;b;c) are possible	MILD (2) 2/3 movements (a;b;c) possible	MODERATE (1) 1/3 movements possible and/or head control in static position	SEVERE (0) No head control		

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Name: _____ Date: _____

Diagnosis: _____

CN V TRIGEMINAL NERVE	Normal	Mild	Moderate	Severe
1. Mandibular opening against resistance	3	2	1	0
2. Jaw lateralization	3	2	1	0
3. Facial Sensation	3	2	1	0
4. Tactile Sensation – anterior 2/3 of the tongue	3	2	1	0
TOTAL	/12			



CN VII FACIAL NERVE	Deficit side: right <input type="checkbox"/> left <input type="checkbox"/>	Normal	Mild	Moderate	Severe
1. Eye closure		3	2	1	0
2. Eyebrows – Furrow		3	2	1	0
3. Lips – Smile		3	2	1	0
4. Lips – Pucker		3	2	1	0
TOTAL		/12			

CN IX GLOSSOPHARYNGEAL NERVE	Normal	Moderate	Severe
1. Sensation - posterior 1/3 of the tongue	2	1	0
2. Gag reflex	2	1	0
TOTAL	/4		

VELAR FUNCTION	Normal	Moderate	Severe
1. Velar elevation	2	1	0
TOTAL	/2		

CN X VAGUS NERVE	Normal	Mild	Moderate	Severe
1. Voluntary cough	3	2	1	0
2. Reflexive cough (Cough-Reflex-Test)	3	2	1	0
3. Voice quality	3	2	1	0
4. Wet voice	3	2	1	0
TOTAL	/12			

CN XII HYPOGLOSSAL NERVE	Tongue deviation to the right <input type="checkbox"/> left <input type="checkbox"/>	Normal	Mild	Moderate	Severe
1. Tongue protrusion		3	2	1	0
2. Tongue elevation		3	2	1	0
3. Tongue lateralization		3	2	1	0
4. Sliding the tongue along the dental arches		3	2	1	0
5. Clicking		3	2	1	0
TOTAL		/15			

C1-C8 ANSA CERVICALIS	Extension-Flexion: ↑ <input type="checkbox"/> ↓ <input type="checkbox"/> Rotation: right <input type="checkbox"/> left <input type="checkbox"/> Inclination: right <input type="checkbox"/> left <input type="checkbox"/>	Normal	Mild	Moderate	Severe
1. Head control		3	2	1	0
TOTAL		/3			

44-60 Points	No Dysphagia	TOTAL: _____ /60
Under 44	Mild-Severe Dysphagia possible. The lower the score, the more severe the dysphagia.	