VIVAs NECK

Larynx

TOPIC:Larvnx	NUMBER: 1.3
TOFIC:Larynx	NUMBER: 1.5

OPENING QUESTION	Identify the structures visible on front of this model	COMMENTS		
POINTS REQUIRED	1 Thyroid Cartilage	All 7 to pass		1
	2 Cricothyroid membrane		Question 2:	Using the model, demonstrate the ma features of the larynx.
	3 Trachea		Larynx	Remove left side of mandible and
	4 Thyroid			tongue.
	5 Hyoid			
	6 Thyrohyoid Membrane			
	7			
PROMPTS	Where is the cricoid cartilage?			
SECOND QUESTION (if needed)	What is the motor nerve supply of the larynx?			What is the motor innervation of the muscles of the larynx
POINTS REQUIRED	1 Recurrent laryngeal except	RLN = absolute minimum		muscles of the mylls
	2 Cricothyroid = External Laryngeal			
	3			
	l.		I I	I
	I S	Fensor: cricothyroid Relaxer: Thyroarytenoid Sphincters: Action of most ricothyroid	other than post	

From epiglottis to inf border of cricoid Cartilages(9). Thyroid: sup/inf homs/oblique line/laryngeal prominence/laminae/thyroid notch. Cricoid: cricothyroid joint≥allows change in length of vocal cords. Epiglottis. Cumieform and Corniculate(paired). Arytenoid(paired) Membranes: Thyrohyoid and median cricothyroid Ligaments: Cricotracheal/med and lat cricothyroid. Aryepiglottic/thyroepiglottic. Med and lat thyrohyoid	Need all to pass Thyroid cartilage Cricoid cartilage Epiglottis Cricothyroid membrane Location of the arytenoids
Extrinsic: Infrahyoid/suprahyoid/stylopharyngeus. CNX Recurrent laryngeal > sup and inf laryngeal Intrinsic: CNX > rec. laryngeal supplies all except cricothyroid supplied by ext branch of sup. Laryngeal. Principal adductors: lat. cricoarytenoid(plus trans and oblique arytenoids) Principal abductors: post cricoarytenoid	To pass: Recurrent laryngeal nerve

ACEM 2008.1 PRIMARY VIVA EXAMINATION

SUBJECT: ANATOMY

TOPIC: MODEL; Muscles of vocalisation / Nerve supply NUMBER: Thurs am/ Q2_____

	TOMBER.	1 Hurs am/ Q2
OPENING QUESTION	On this model identify the structures of the larynx and upper airway.	COMMENTS
POINTS REQUIRED	1 Thyroid cartilage	Identify 6 to pass
	2 Cricoid cartilage	
	3 Cricothyroid membrane	
	4 Cricothyroid nunscle	
	5 Epiglottis	
	6 Vecal cords; vecal folds	
	7 Aryepiglottic folds; vallecula	
PROMPTS		
SECOND QUESTION (if needed)	Name the muscles of vocalisation.	
POINTS REQUIRED	1 . Cricothyroid ; Anterolat cricoid to inf margin and inf horn of thyroid. (Ext larynges $\underline{\mathbf{m}}$	** to pass
	2 . Thyroxytenoid ; Lower $%$ post angle of thyroid laminae and cricothyroid lig to anterolat arytenoid (Inferior larynges) $m)$	
	3 . Post cricoarytenoid ; Post surface of cricoid lamina to vocal process of arytenoid. (inf lary ${\tt un})$	
	4 Lat cricoarytenoid; Arch of cricoid to vocal process of arytenoid. (inflary m)	
	5 Transverse and oblique arytenoids ; One arytenoid cart to contralat arytenoid (inf lary m)	
	$\boldsymbol{\delta}$. Vocalis ; Lat surface vocal process of anytenoid cart to ipsilat vocal lig	
PROMPTS		
THIRD QUESTION (if needed)	Please describe the nerve supply to the intrinsic laryngeal $\mathbf{m}\mathbf{m}$ (num of vocalisation)	
POINTS REQUIRED	1 All except cricothyroid supplied by recurrent laryuges1 nn. **	
	2 Recurrent laryngeal nn is a branch of CN X	** main points
	3 Cricothyroid supplied by external laryngeal nn. **	
	4 External laryugeal mn is one of the 2 terminal branches of the superior laryugeal nn	
PROMPTS		

ACEM 2007.2 PRIMARY VIVA EXAMINATION

SUBJECT: ANATOMY 7 September 2007 am.

				TOPIC: 2	X-ray: Lateral C spine	NUMBER	: _1
SUBJECT:	ACEM 2007.1 PRIMARY VIVA EXA ANATOMY	AMINATIO	ON	OPENING QUESTION	Demonstrate the bony features of C1 and C2 v Xray	ertebrae evident on this	COMMENTS
TOPIC: X1	ay lateral neck	NUMB	ER:	POINTS REQUIRED	1 Odontoid peg (dens)		5/8 including dens to pass
OPENING QUESTION	Identify the structures shown in this xray		COMMENTS		2 Bodies of C1 and C2		
POINTS REQUIRED	1.nasopharyux/posterior aspect of tongue / sof	ft palate			3 anterior and posterior arches of atlas		
•	2 retropharengeal soft tissue		6 to pass		4 laminae and inferior articular process		
	3 trachea/oesophagus				5 spinous process		
	4 epiglottis			PROMPTS			
	5 vallecula			ļ L			
	6 vestibular fold/vocal fold			SECOND	What are the components of the soft tissue shadow located anterior to the upper cervical vertebrae?		
	7 Bony: C1, C2, BOS, Mandible, Spinou Laminae, Disc spaces, Larynx, Hyoid, Trache			QUESTION (if needed)			
	8. cartilage: thyroid			POINTS REQUIRED	I Anterior longitudinal ligament		3/6 to pass including retropharyngeal space
PROMPTS	What soft tissue / bony structures can you iden	ntify?			2 Longus colli muscle		, , , , , , , , , , , , , , , , , , , ,
SECOND QUESTION (if needed)	Demonstrate the boundaries of the spinal carray	anal on this			3 Prevertebral fascia	-	
POINTS REQUIRED	1				4 Retropharyngeal space	***	
					5 Buccopharyngeal fascia		
					6 Pharyngeal muscle		
TOPIC	QUESTION	F	ESSENTIAL KNOWLEDG	GE	NOTES		
uestion 1:	cervical vertebrae on this x-ray?	Axis (C2), Late	Atlas (Cl), Body of Axis (ral atlanto-axial joint, Spino	ous process of	Pass Criteria Need lateral mass, dens,		

TOPIC	QUESTION	ESSENTIAL KNOWLEDGE	NOTES
Question 1: PEG XR	Demonstrate the bony features of the upper cervical vertebrae on this x-ray?	Lateral mass of Atlas (C1), Body of Axis (C2), Dens of Axis (C2), Lateral atlanto-axial joint, Spinous process of Axis (C2)	Pass Criteria Need lateral mass, dens, body, axis
	What ligaments stabilise these bones?	Cruciate ligament Alar ligament Anterior longitudinal ligament = anterior atlanto-axial membrane = anterior atlano-occipital membrane Posterior longitudinal ligament = tectorial membrane Ligamentum flavum = posterior atlanto-axial membrane = posterior atlano-occipital membrane Nuchal ligament Interspinous ligament	Need cruciate ligament, alar ligament + 1 other

ACEM 2005.2 PRIMARY VIVA EXAMINATION

SUBJECT: ANATOMY

TOPIC: Photo: Neck, thoracic inlet ______ NUMBER: 2.4_____

OPENING QUESTION	What is this structure ?	COMMENTS
	Common carotid artery	*essential
PROMPTS		
SECOND QUESTION (if needed)	How does the internal jugular vein relate to the carotid artery?	
POINTS REQUIRED	Emerges from jugular bulb, initially behind internal carotid artery and lying on transverse process of atlas,	*essential
	2 then passes down to be lateral to ICA* within carotid sheath*, with the vagus nerve between it and the artery.	
	3 The terminal part lies superficial and lateral (deep to the junction of the heads of sternocleidomastoid and joins the subclavian to form the brachiocephalic vein behind the medial end of the clavicle).	*
PROMPTS		
THIRD QUESTION (if needed)	Please describe the surface marking of the internal jugular vein ?	
POINTS REQUIRED	1 The surface marking is from the earlobe (or mastoid)* to the sternoclavicular joint (or medial part of clavicle)*.	* essential

TOPIC: Ves	ssels in neck NUMBER:	3.5
OPENING QUESTION	Identify this structure [23], its branches and their relationship to other structures	COMMENTS
POINTS REQUIRED	1 Subclavian [1]	
	2 Common Carotid [12]	
	3 Internal Thoracic Artery [7] (internal mammary)	
	4 Suprascapular Artery [3]	
	5 Transverse Cervical [4] (superficial cervical)	
	6 Inferior thyroid artery (not seen) – continuation thyrocervical trunk	
	7 Scalenus anterior [2]	
	8 Vagus Nerve [6]	
	9 Phrenic Nerve [5]	
PROMPTS		
SECOND QUESTION (if needed)	Identify the branches of the external carotid	
POINTS REQUIRED	l origin upper border C4 / upper border thyroid cartilage	
	2 from front	
	- superior thyroid, lingual, facial	
	3 from behind	
	- occipital, posterior auricular	
	4 medial – ascending pharyngeal	
	5 terminal – superficial temporal and maxillary arteries	
	6	

TOPIC	QUESTION	ESSENTIAL KNOWLEDGE	NOTES
Question 1: (Photo)	Identify the major vascular structures in this picture. (Prompt if required)	Superior vena cava (26) Left (13) and right (18) brachiocephalic vein (13) Left and right subclavian veins (24) Left internal jugular vein (8) Brachiocephalic trunk (4) Right common carotid artery (19) Right subclavian artery (21) Left common carotid artery (14) Thyrocervical trunk (32) and its branches: inferior thyroid art. (6), ascending cervical art (3); internal thoracic art. (9)	Need 6/11 bold to pass
Question 2: (Not related to photo)	Describe the course of the right subclavian artery.	Arises from brachiocephalic trunk Runs posterior to right sternoclavicular joint as ascends through thoracic inlet Arches superolaterally and passes posterior to anterior scalene muscle (relationship to this muscle defines its 3 parts) Descends posterior to middle of clavicle and crosses over 1st rib to become axillary artery	3/4 Bold required to pass
Question 3: (Not related to photo)	Name the branches of the subclavian artery.	1st part: • Vertebral artery • Internal thoracic artery • Thyrocervical trunk 2nd part: • Costocervical trunk 3rd part: • Dorsal scapular artery	2/3 of part 1 bold to pass

<u>Triangles</u>

Question 4:	 Define the boundaries of the anterior triangle of the neck. 	SCM, midline, mandible	(need all 3)
Photo: Anterior Triangle neck	b. The internal jugular vein has been removed. Name some structures in the anterior triangle	Muscle – SCM, strap muscles Lymph nodes – jugulo-digastric Artery – common carotid, int and ext carotid, sup thyroid, lingual, facial Vein – Branchiocephalic, subclavian Nerve – recurrent laryngeal	3 to pass
	c. Name the branches of the external carotid	Ant. Asc. pharyngeal, superior thyroid, lingual, facial Post. Occipital, post auricular, superificial temporal, maxillary	2 to pass

ACEM 2007.1 PRIMARY VIVA EXAMINATION

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SILIE		- AN	ATOMY

TOPIC: Neck		NUMBER:	
TOTIC: NECK		TIONIDLIN	

OPENING QUESTION	What are the boundaries of the anterior triangle of the neck? (don't show picture yet)	COMMENTS
POINTS REQUIRED	1Stemomastoid	
	2Midline	
	3Mandible	
	4	
	7	
PROMPTS		
SECOND QUESTION (if needed)	In this picture the sternomastoid has been removed. Identify the major blood vessels	
POINTS REQUIRED	1 Common carotid (7)	mandatory
	2 Int jugular (17)	mandatory
	3 Facial v (12)	
	4 Ant jugular (4)	
	5 Ext carotid (9)	
	6	
PROMPTS		
THIRD QUESTION (if needed)	OUESTION What other structures can you identify in the picture?	
POINTS REQUIRED	POINTS	
	2 Parotid / facial nerve (25)	
	3Masseter (22)	
	4Omohyoid (34)	
	5 Digastric (3)	
	6 mandible (21), hyoid	
PROMPTS		

SUBJECT: ANATOMY

TOPIC: Anterior Triangle _		NUMBER: 2-5	
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OPENING QUESTION	Identify the major structures in this picture	COMMENTS
POINTS REQUIRED	1	8 to pass
	2	
	3	
	4	
	5	
	6	
	7	
PROMPTS		
SECOND QUESTION (if needed)	Demonstrate the course of the right subclavian artery	
POINTS REQUIRED	1 Arises Brachiocephalic trunk	
	2 Over 1st rib behind scalenus anterior	
	3 Lies in relation to first part of brachial plexus	
	4	
	5	

TOPIC	QUESTION	ESSENTIAL KNOWLEDGE	NOTES
Question 1: (Discussion)	Define the boundaries of the anterior triangle of the neck.	Anterior border of sternocleidomastoid Midline of neck Inferior border of the mandible	All 3 to pass
Question 2:	(a) Describe the surface markings of the carotid sheath in the neck. (b) What are the contents of the carotid sheath?	(a) Carotid sheath runs along a line joining the sternoclavicular joint to a point midway between the mastoid process and the angle of the mandible. (b) Common carotid artery, internal jugular vein, yagus nerve	All to pass
Question 3:	Describe the location of the thyroid gland in the neck.	Licated anteriorly in the neck at level of C5-T1 Lies deep to sternothyroid and sternohyoid muscles Right and left lobes sit anterolateral to the larynx and trachea A thin isthmus unites the two lobes across the trachea (usually at 2 nd and 3 rd tracheal rines)	2/3 bold to pass

TOPIC 4	Root of neck photograph	COMMENTS
QUESTIONS AND POINTS REQUIRED	Outline the thyroid gland	
	What vascular structures can be identified at the root of the neck	SVC, L&R. brachiocephalic arteries and veins, carotids and subclavians
	What are these nerves (5 and 6 in photo)	Vagus and phrenic
I		

3. Photo – side of neck	What structures can you identify in this picture?	(at least 6) Can work these off photo provided.	
oi neck	2. (if not already identified .	Branches of Int Carotidno branches, starts lateral and	
	point to common carotid bifurcation and ask what it is)	eventually passes post and finishes medial and deep to the ext.c, to the side of pharvnx.	
	Can you describe the branches of the internal and external carotid.	Ext Car 6 branches, 3 ant, 2 behind and 1 med. Ant branches are sup thyroid, most inf. lingual above, and facial above that.	
		Post branches are occipital most inferior, & above that the post auric (below & above digastric). Ascend. Phar. is med. branch	

Although a lot of structures	Int carotid has vein lateral with the vagus in between, behind is
have been removed, can you	symp trunk, pharyngeal v, sup laryngeal br of vagus. Medial is
discuss and demonstrate the	asc pharyngeal art. Ant is ling and facial v, occipital art,
relations of the int & ext carotid?	hypoglossal n, scm muscle and post belly of diagastric.
	Ext is separated from int by deep part of parotid and pharyngeal
(may leave for later)	structures (stylo pharyngeus m, glossopharyngeal n and ph br of
	vagus

-	•	· · · · · · · · · · · · · · · · · · ·	
Question 4	This is a lateral photo of the neck.		
Photo neck	Demonstrate the borders of the posterior triangle	SCM, Trapezius, Clavicle	Need all 3 borders of each to pass
	Demonstrate the borders of the anterior triangle	Midline, SCM, Mandible	Need all 3 borders to pass
	-		2 branches to pass
	What is this structure (12 – external carotid) - What are its branches?	Ascending pharyngeal Superior thyroid	
		Lingual Facial	
		Occipital Posterior auricular	
		Superficial temporal Maxillary	
		o If required, indicate not all are visible	