
RS FINAL

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Anatomy

Extends from the costal groove of the rib above to the upper border of the rib below

- Internal intercostal

All of the following are true about Characters of typical thoracic vertebrae EXCEPT :

- have articular facet on transverse process
- Spine is long and directed backwards and downwards
- Body is kidney shaped

Which nerve called the intercostobrachial nerve

- The 1st intercostal nerve
- The 2nd intercostal nerve

All of the following arteries share anastomosis in kieselbach's EXCEPT

- sphenopalatine artery
- Greater palatine artery
- posterior ethmoidal artery
- septal branch of superior labial artery
- anterior superior alveolar artery

Choose the incorrect answer

- cricoid cartilage only complete ring
- upper free margin of of cricothyroid membrane contain vocal fold
- upper free margin of of quadrangular membrane contain aryepiglottic fold
- lower free margin of of quadrangular membrane contain vestibular fold
- cricothyroid joint is more important than cricoartenoid joint

About larynx Choose the correct answer

- unilateral injury of external laryngeal nerve cause aphonia
- cricoid cartilage is key cartilage
- unilateral injury of recurrent laryngeal nerve cause dyspnea
- in thyroidectomy ligate the external laryngeal artery near the upper pole of gland

All off the following about trachea are true EXCEPT

- middle constriction by arch of aorta ✓

Which one is blood supply of trachea

- superior thyroid artery

- bronchial arteries ✓

-pulmonary artery

If the Upper of the apex was compressed which structure would be affected

- Cervicothoracic ganglion ✓

Best place to get red of pleural effusion

- 9th intercostal space in medaxillary line

intercostobrachial nerve

: 2nd intercostal

Extends from the costal groove of the rib above to the upper border of the rib below :

Internal intercostal

The best site for drain of pleural effusion

9th intercostal space at midaxillary line

Above medial 1/3 of clavicle

Below 12th intercosal at mid axillary

Above 2th inter cosal

physio

Correct about dead space

- equal body weight in kg

- Alveolar Dead Space always pathological ✓

-Cause of negative intrapleural pressure:

Alveolar space is :

- the space that undergoes exchange between o₂ and co₂

mean pulmonary arterial pressure is

- 5
- 10
- 15 ✓
- 20

One is incorrect regard Regulation of Pulmonary Blood Flow

- Overall regulation of the PBF during exercise
- normally equals the cardiac output
- Local hypoxia and accumulation of CO₂ will lead to VD ✓

One is mechanism to keep lung alveoli "Dry"

- high net filtration pressure
- rich lymphatic drainage of the lungs ✓
- positive pressure in the lung interstitial spaces
- high capillary hydrostatic pressure
- low plasma colloid osmotic pressure

Which one will happen

- limbic system will lose of its function ✓

One off the the following will stop spontaneously respiration:

- cut lower medulla and upper cervical ✓
- section between c7&c8

Inhibition of cytochrome

- Histotoxic Hypoxia ✓

micro

One is Lack proofreading mechanism of influenza virus that cause Antigenic Drift:

- RNA-dependent RNA polymerase (RdRp) ✓
- Hemagglutinin
- Neuraminidase

Correct about structure & factors of H. influenzae

- Typable is nonencapsulated
- IgA protease ✓

PRP-D is vaccine for

- H. influenzae
- Diphtheria toxoid
- Corynebacterium diphtheriae

One off the following is causative of Bronchiolitis

- Parainfluenza virus
- Adenovirus
- respiratory syncytial virus

One of following is not single strand RNA

- Parainfluenza
- Respiratory syncytial virus
- Adenovirus ✓

Streptococcus pneumoniae is classified into 95

serotypes, the classification based on :

- capsular polysaccharide type ✓

cross-reacting antibodies called cold agglutinins leading to

haemolytic anemia

All off the following are classic characteristic of Typical Pneumonia except

- Sudden
- Productive cough
- Lobar consolidation
- low fever ✓

- patient have hyponatremia
- organisms seen by silver stain

The common source of infection

- man made water systems ✓

One of the following is incorrect about *Moraxella catarrhalis*

- Gram-negative
- non motile
- facultative anaerobic ✓

Patient come with necrotising toe when cultured it gives sweet grape-like fruity odor

- *Pseudomonas aeruginosa*

One is incorrect regarding *B. anthracis*

- arranged in long chains
- polypeptide capsule
- produce lethal and oedema toxins
- can spread from animal to man

Tuberculosis on Ziehl-Neelsen stain will produce

- Blue colour
- brown colour
- Bright Red ✓

Infective stage of *Paragonimus westermani*

- *Microcercous cercaria*
- Encysted metacercaria ✓

Embryo

diaphragmatic hernia of Morgagni

- defective muscles of half of diaphragm
- defect between sternal and costal parts ✓
- esophagus is shorter
- failure of fusion of diaphragm parts

Congenital anomalies of the Tracheoesophageal septum is lead to severe pneumonia

1. Proximal part of esophagus ends as a blind sac and distal part continues with the trachea.

2. Proximal part of esophagus continues with trachea and distal part ends as blind sac. غالباً هي

3. Proximal and distal parts of esophagus continue with trachea separately.

4. Proximal and distal parts of continue with trachea by single tube (fistula) .

Pharm

Sulfasalazine mechanism of action?

alprostadil used to :

Inhibit closure of ductus arteriosus ✓

One of the following have vasodilation effect

- NO production

One of the following have vasodilation effect

- NO production

All of the following are treatment of community acquired pneumonia EXCEPT

- amoxicillin
- azithromycin
- fluroquinilone
- clindamycin ✓

One off the following is treatment of respiratory infection, and also inhibit CYP450

- penicillin
- b-lactam
- erythromycin ✓
- Fluoroquinolones

Drug x used as Antibacterial and used for inhibition of poxvirus (small pox):

- RIFAMPICIN ✓

Which drug is used in all TB regimens

- INH ✓
patho

One off the following not correct about lung tumours

- all smokers will develop a type of cancer ✓

One off the following is not indicated of bad prognosis:

Which one is true about ASTHMA

- classic example of type IV hypersensitivity Ige mediated reaction
- atopic is most common type ✓

