

A 9-year-old girl has complained of difficulty breathing for the past week. On physical examination, her lung fields are clear to auscultation. Her heart rate is regular. A chest radiograph shows prominent hilar lymphadenopathy along with a 1 cm peripheral right lung nodule in the middle lobe. A routine bacterial culture reveals no pathogens. Which of the following conditions is she most likely to have?

- A Hypersensitivity pneumonitis
- B) Mycobacterium tuberculosis infection
 - C Bronchial carcinoid tumor_
 - D Infective endocarditis
 - E Goodpasture syndrome

Question -2

A 36-year-old woman had increasing dyspnea for 8 years. She has no cough or increased sputum production. On physical examination there is hyper resonance..A chest radiograph reveals increased lung volumes with flattening of the diaphragmatic leaves bilaterally. Which of the following laboratory findings is she most likely to have?

- A Decreased serum ceruloplasmin
- B Increased sweat chloride
- (C,) Decreased serum alpha-1-antitrypsin
 - D Positive urine opiates
 - E Positive antinuclear antibody test

ANS- C

Question -3

A 55-year-old female had fever and dyspnea for a month along with a 2 kg weight loss. A chest radiograph shows a reticulo-nodular pattern/along with prominent hilar lymphadenopathy, and Microscopic examination of transbronchial lung biopsy shows no viral inclusions, no fungi, no acid fast bacilli, and no atypical cells. Which of the following diseases is she most likely to have?



A Silicosis (B) Sarcoidosis — A TY C Asbestosis D Tuberculosis	nutrephotem ou sour charet evized by the conceptation petrong non consent associated with enregand and coagulapany	of grow
Question -4		
consolidation on sectioning	man is found to have a peripheral 7 cm area of golden-yello of the left lung. Microscopically, this area has alveoli filled we of the following conditions involving his lung is most likely	vith
A. Cystic fibrosis		
B. Adenocarcinoma		
C. Silicosis		

Question -5

Squamous cell carcinoma

E. Malignant mesothelioma

A 65-year-old man had increasing dyspnea for 5 years. On physical examination his lungs are hyper-resonant. Tactile vocal fremitus is slightly decreased over all lung fields and Scattered expiratory wheezes. Chest radiograph that reveals increased lung volumes and flattening of the diaphragmatic leaves. Which of the following inhaled substances, which increases the elaboration of neutrophil elastase, is most likely to cause her pulmonary disease?

A Chlorine

B Silica

C Carbon monoxide

D, Nicotine

E Carbon

ANS- D

Question -6

A 44-year-old a non-smoker woman has a fever and cough for the past 4 days. There are decreased breath sounds over the right upper lung. She is given a course of antibiotic therapy, but her cough persists. A month later her chest x-ray now reveals a 3 cm peripheral mass in the right upper lobe. Which of the following neoplasms is most likely to be present in this woman? Arlano carin

- A Squamous cell carcinoma
- B Small cell anaplastic carcinoma

C.) Adenocarcinoma

- D Mesothelioma
- E Carcinoid tumor

Question -7

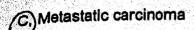
Three weeks after visiting her grandmother dying from a respiratory tract infection, a healthy 5-year-old girl develops a fever along with wheezing. A chest radiograph reveals a solitary 2 cm peripheral mid-lung nodule and marked hilar lymphadenopathy. These findings are most consistent with infection by which of the following organisms?

- C. Mycobacterium tuberculosis
- B Candida albicans
- C Coccidioides immitis
- D Aspergillus flavus
- E Streptococcus pneumonia

Question -8

A 65-year-old man had no major medical problems prior to the past year, when he noted increasing malaise with an & kg weight loss He is a non-smoker. On physical examination, he has non-tender supraclavicular lymphadenopathy. A chest x-ray shows multiple solid nodules ranging from 1 to 3 cm scattered throughout all lung fields. Which of the following pathologic processes in his lungs is most likely to account for these findings?

- A Pulmonary infarctions
- B Foreign body aspiration



- D Nocardia asteroides infection
- E Silicosis

Question-9

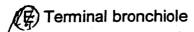
A 43-year-old woman who does not smoke, becomes increasingly dyspneic over 8 years' time. She is afebrile, no cough or sputum production. On physical examination she has decreased breath sounds with hyperresonance in all lung fields. A chest radiograph reveals increased lucency of all lung fields. Laboratory studies show her serum alpha-1-antitrypsin level is 18 mg/dL. Which of the following microscopic portions of the lung is most likely to be affected by her condition?

A Lymphatic channel



Alveolar duct_

- C Bronchial artery
- D Interstitium



Question-10



A 45-year-old woman has a 1 year history of episodic dyspnea. On physical examination there are expiratory wheezes. Her chest radiograph shows a few small 0.5 cm perihilar nodules. Laboratory studies show an elevated serum IgE along with peripheral blood eosinophilia. Which of the following pathologic findings is most likely present in her bronchi?

A, Non-invasive aspergillosis

- **B** Blastomycosis
- C Invasive candidiasis
- D Wegener granulomatosis
- E Cytomegalovirus

Question-11

A 10-year-old boy accidentally inhales a small peanut, which lodges in one of his bronchi. A chest x-ray reveals the mediastinum to be shifted toward the side of the obstruction. Which of the following pulmonary abnormalities is most likely present in this boy?

A.\Absorptive atelectasis

Obstruction | Desorption

- B. Compression atelectasis
- C. Contraction atelectasis
- D. Patchy atelectasis
- E. Hyaline membrane disease

ANS- A

Question-12

Paraneoplastic peripheral neuropathy is most common seen with:

- A. Pancreatic carcinoma
- B. Hepatocellular carcinoma
- C. Ovarian carcinoma
- D. Breast carcinoma
- E. Small cell carcinoma of lung

Question-13

Cigarette smoking causes which lung cancer?

- (A), Squamous cell carcinoma
- B. Adenocarcinoma
- C. Large cell carcinoma
- D. Broncioalveolar carcinoma
- E. Oat cell carcinoma

Question-14

> pan-aupriguna A 43, year-old female has a known history of alpha-1 antitrypsin deficiency and micronodular cirrohosis. Her pulmonary reserve has been gradually decreasing over the past few years. What pathologic process is likely to be found on biopsy of her lung?

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- A. Alveolar proteinosis.
- B. Chronic viral pneumonia.
- C. Intralobular sequestration.
- D) Panacinar emphysema.
 - E. Pulmonary hypertension.

ANS- D Question-15

A 20 year woman presents with sudden, severe right sided chest pain that developed shortly after she had been placing heavy boxes on shelves in her Kitchen. Breath sounds are markedly decreased on the right, and the right lung is hyper resonant to percussion. Which of the following is most likely present in this individual? Prumothuax

- A. Pneumoconiosis
- B. Pneumocystis infection
- C. Bacterial pneumonia
- D. Viral pneumonia

E. J. Pneumothorax

Question-16

Abscess formation in lung is most common in

- A. Lobar pneumonia
- B. Klebsiella pneumonia
- C. Viral pneumonia
- D) Staphylococcal pneumonia
 - E. Streptococcal pneumonia

ANS- D

Question-17

Cigarette smoking causes which lung cancer?

A.)Squamous cell carcinoma

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B. Adenocarcinoma

- C. Large cell carcinoma
- D. Broncioalveolar carcinoma
- E. Oat cell carcinoma

ANS- A

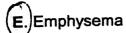


Question-18

The barrel chest appearance is an effect of what disease

Empryura

- A. Empyema
- **B.** Silicosis
- C. TB
- D. Atelectasis

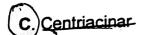


ANS- E



Emphysema affecting respiratory bronchioles is:

- A. Panacinar
- B. Paraseptal



- D. Distal acinar
- E. Periseptal

ANS- C

Constana

Question-20

Destruction of elastic and muscular tissue is the most significant lesion in

A. Lipoid pneumonia

	(Smoking, alch	bally to mass) (SI-GONTHAN)
B. Viral pneumonia	g wee on		_def/
C. Atelectasis			
D Bronchiectasis	hylamatory	Meserchymal Colls	epithelial Colli
E. Tuberculosis	Colls		J
ANS- B	cytolines, proteases	Neuxu	· Dechar
	ECM clegar	dation	Synanus
QUESTION 01	Diffi	ue alvedor pa	rendment from
afebrile, no cough or sputum processonance in all lung fields. A cough with history of alpha-1 antitryps B)-Describe the types of emphasis. C)- Discuss the pathogesis of	hest X-RAY reveals ind in deficiency Which is a ysema () Conthion ysema () Prenaud Destand	creased lucency of all I most likely diagnosis? Cinou emplyse man emplyse emplogysma	ung fields (01) Enriphys war (pan
QUESTION 02 A)- A 45 -year-old man had a	high grade fever shaki	ing chills and mucopu	rulent
sputum with occasional hemore are heard at the right lung base	otysis that worsened or	ver several days. Diffi	use crackles
 hemoglobin: 13.3 g/dL platelet count: 291,8000 WBC count: 15,240/mm 16% and monocytes-05 	3 with differential cour	nt: neutrophils-79%, lyiagnosis?. prumow	mphocytes- (01) (Bbw)
B)- Describe the four classic st terms of temporal features and	ages of the inflammat morphology.	ory response in lobar	pneumonia in
	DO	Red heart	zation:
Question -03		Congestion(04) Dea hepath Grey hepath Q Lesolution	izan'an
Discuss bronchiectasis, in terr Permanent (Brond	ns of:	y bronchi a	end
Brond	holes caus	ed by duty	whon