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Department of foreign languages

СРСП

Lung abscess

Будущие и будущие в прошлом времена страдательного залога. Сравнение времен действительного и страдательного залогов.

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Lung abscess

- **Lung abscess** is a type of liquefactive necrosis of the lung tissue and formation of cavities (more than 2 cm)^[1] containing necrotic debris or fluid caused by microbial infection.
- This pus-filled cavity is often caused by aspiration, which may occur during altered consciousness. Alcoholism is the most common condition predisposing to lung abscesses.
- Lung abscess is considered primary (60%^[2]) when it results from existing lung parenchymal process and is termed secondary when it complicates another process e.g. vascular emboli or follows rupture of extrapulmonary extrapulmonary abscess into lung.

Lung abscess

- Computed tomography (CT) scan of chest showing bilateral pneumonia with abscesses, effusions and caverns. 37-year-old male.

- Classification and external resources

<u>Specialty</u>	<u>pulmonology</u>
<u>ICD-10</u>	<u>J85</u>
<u>ICD-9-CM</u>	<u>513.x</u>
<u>DiseasesDB</u>	<u>7607</u>
<u>eMedicine</u>	<u>med/1332</u>
<u>MeSH</u>	<u>D008169</u>

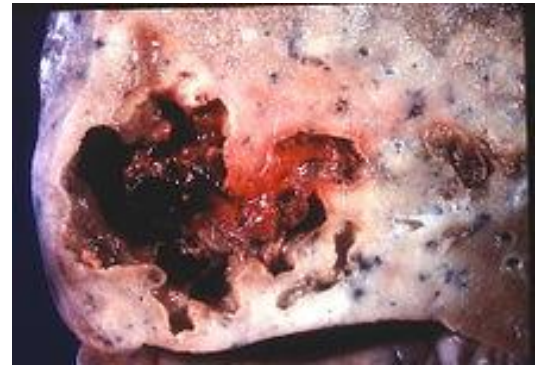
Signs and symptoms

- Onset of symptoms is often gradual, but in necrotizing staphylococcal or gram-negative bacillary pneumonias patients can be acutely ill. Cough, fever with shivering, and night sweats are often present. Cough can be productive of foul smelling purulent mucus ($\approx 70\%$) or less frequently with blood in one third cases).^[3] Affected individuals may also complain of chest pain, shortness of breath, lethargy and other features of chronic illness.
- Those with a lung abscess are generally cachectic at presentation. Finger clubbing is present in one third of patients.^[3] Dental decay is common especially in alcoholics and children. On examination of chest there will be features of consolidation such as localized dullness on percussion and bronchial breath sounds.

Causes

- Conditions contributing to lung abscessAspiration of oropharyngeal or gastric secretion
 - Septic emboli
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- Vasculitis: Granulomatosis with polyangiitis
 - Necrotizing tumors: 8% to 18% are due to neoplasms across all age groups, higher in older people; primarysquamous carcinoma of the lung is the most common.
 - OrganismsIn the post-antibiotic era pattern of frequency is changing. In older studies anaerobes were found in up to 90% cases but they are much less frequent now.^[5]
 - Anaerobic
bacteria: Actinomyces, Peptostreptococcus, Bacteroides, Fusobacterium species,
 - Microaerophilic streptococcus : Streptococcus milleri
 - Aerobic
bacteria: Staphylococcus, Klebsiella, Haemophilus, Pseudomonas, Nocardia, Escherichia coli, Streptococcus, Mycobacteria^[6]

Diagnosis



- **Chest X-ray and other imaging studies** Lung abscesses are often on one side and single involving posterior segments of the upper lobes and the apical segments of the lower lobes as these areas are gravity dependent when lying down. Presence of air-fluid levels implies rupture into the bronchial tree or rarely growth of gas forming organism.
- **Laboratory studies** Raised inflammatory markers (high ESR, CRP) are common but nonspecific. Examination of the coughed up mucus is important in any lung infection and often reveals mixed bacterial flora. Transtracheal or transbronchial (via bronchoscopy) aspirates can also be cultured. Fiber optic bronchoscopy is often performed to exclude obstructive lesion; it also helps in bronchial drainage of pus.

Действительный залог (Active Voice)

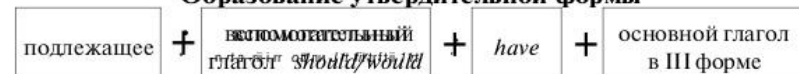
Таблица X
Действительный и страдательный залоги

Залог (voice)			
Действительный залог The Active Voice	лицо или предмет сами совершают действие	Pete has broken the window Петя разбил окно	I ask I asked I shall ask
			Do I ask? Did I ask? Shall I ask?
			I do not ask I did not ask I shall not ask
Страдательный залог The Passive Voice	объект действия является подлежащим	The window has been broken by Pete Окно разбито Петей	I am asked I was asked I shall be asked
			Am I asked? Was I asked? Shall I be asked?
			I am not asked I was not asked I shall not be asked

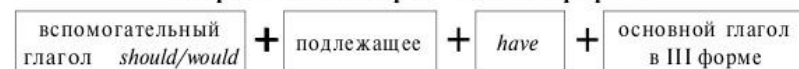
Видо-временные формы страдательного залога				
	Indefinite	Continuous	Perfect	Perfect Continuous
Present	I am sent	I am being sent	I have been sent	—
Past <i>f</i>	I was sent	I was being sent	I had been sent	—
Future	I shall be sent	—	I shall have been sent	—
Future in the Past	I should be sent	—	I should have been sent	—

Future Perfect Continuous Tense in the Past (Будущее перфектно-длительное время в прошедшем)

Образование утвердительной формы



Образование вопросительной формы



Образование отрицательной формы



Утвердительная форма Affirmative Form	Вопросительная форма Interrogative Form	Отрицательная форма Negative Form
I should/would have done	Should/would I have done?	I should/would not have done
You would have done	Would you have done?	You would not have done
He (she, it) would have done	Would he (she, it) have done?	He (she, it) would not have done
We should/would have done	Should we have done?	We should/would not have done
They would have done	Would they have done?	They would not have done

Examples

- 1. Lung abscess was developed by various factors.
- 2. Fever is came by lung abscess.
- 3. Pus is affected lungs.

Examples

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