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Independent work of a student

Theme: «Bronchitis»

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Plan

What is the bronchitis?

The types of bronchitis

Anatomy of the bronchioles

Who can get bronchitis?

Causes

What is Affected by Bronchitis?

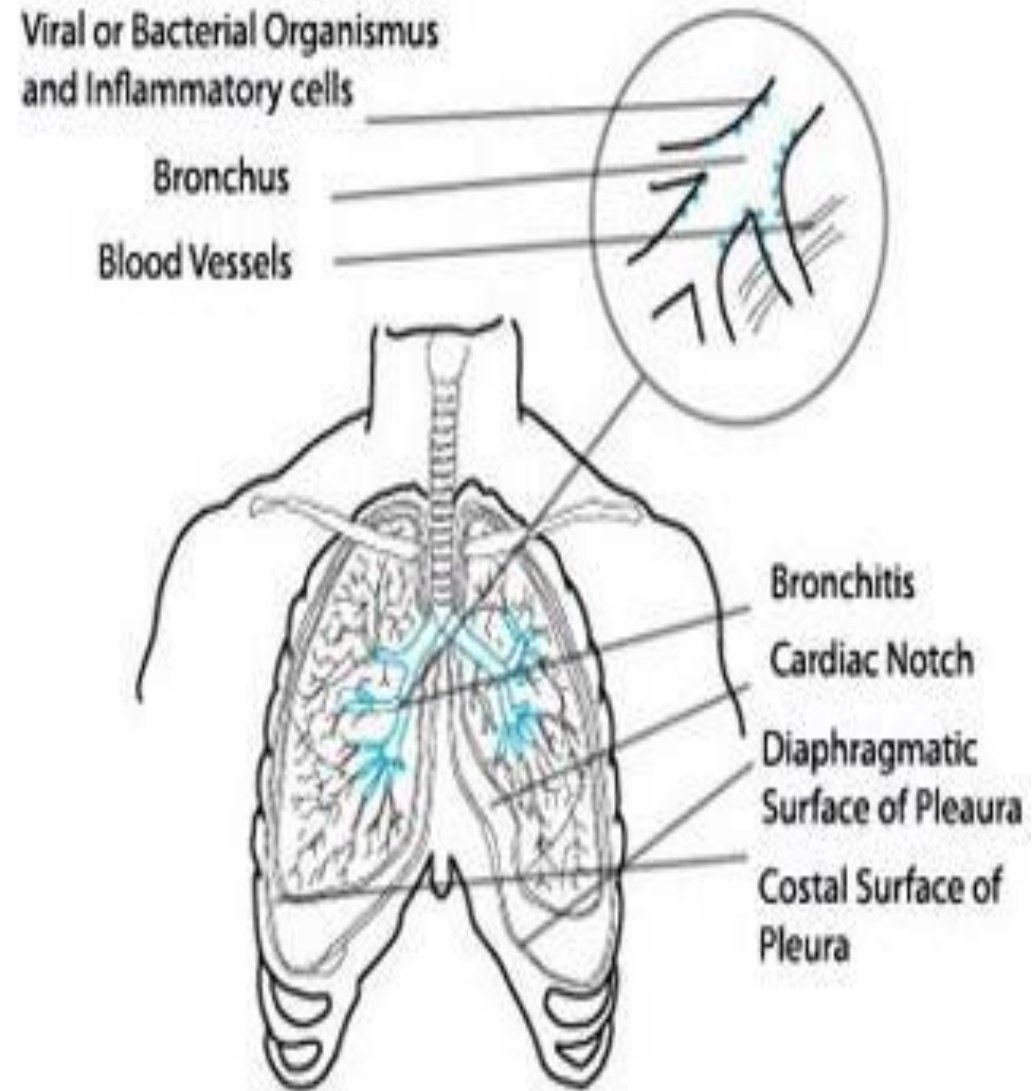
What are symptoms of bronchitis?

What diagnostic methods are available?

Side effects of treatment

References

Бронхит — бұл өкпеге ауа баратын тыныс жолдарындағы немесе түтікшелердегі инфекция. Бронхит болғанда жөтелде шуыл болады, көбіне сілекей немесе қақырық түседі. Бронхит әдетте вирустан пайда болады, сондықтан оған антибиотиктер беруге болмайды. Бронхитпен ауырған адамның қақырығында пневмококк, стрептококк, т.б. микроорганизмдер болады. Бронхит, негізінен, тұмау, көкжөтел, қызылша, т.б. аурулардың салдарынан пайда болады. Ауру көктем мен күзде күшейеді. Бронхиттің жедел және созылмалы түрі бар. Жедел Бронхитпен ауырғанда науқас тоңады, жиі есінейді, басы ауырады, даусы қарлығып, кеңірдегі жыбырлап, әуелі құрғақ, кейін қақырық араласқан жөтел жиі пайда болады. Дене температурасы көбіне қалыпты жағдайда сақталады.



- There are two types of bronchitis:

- Acute Bronchitis:

- Lasts 1-3 weeks

- Chronic Bronchitis:

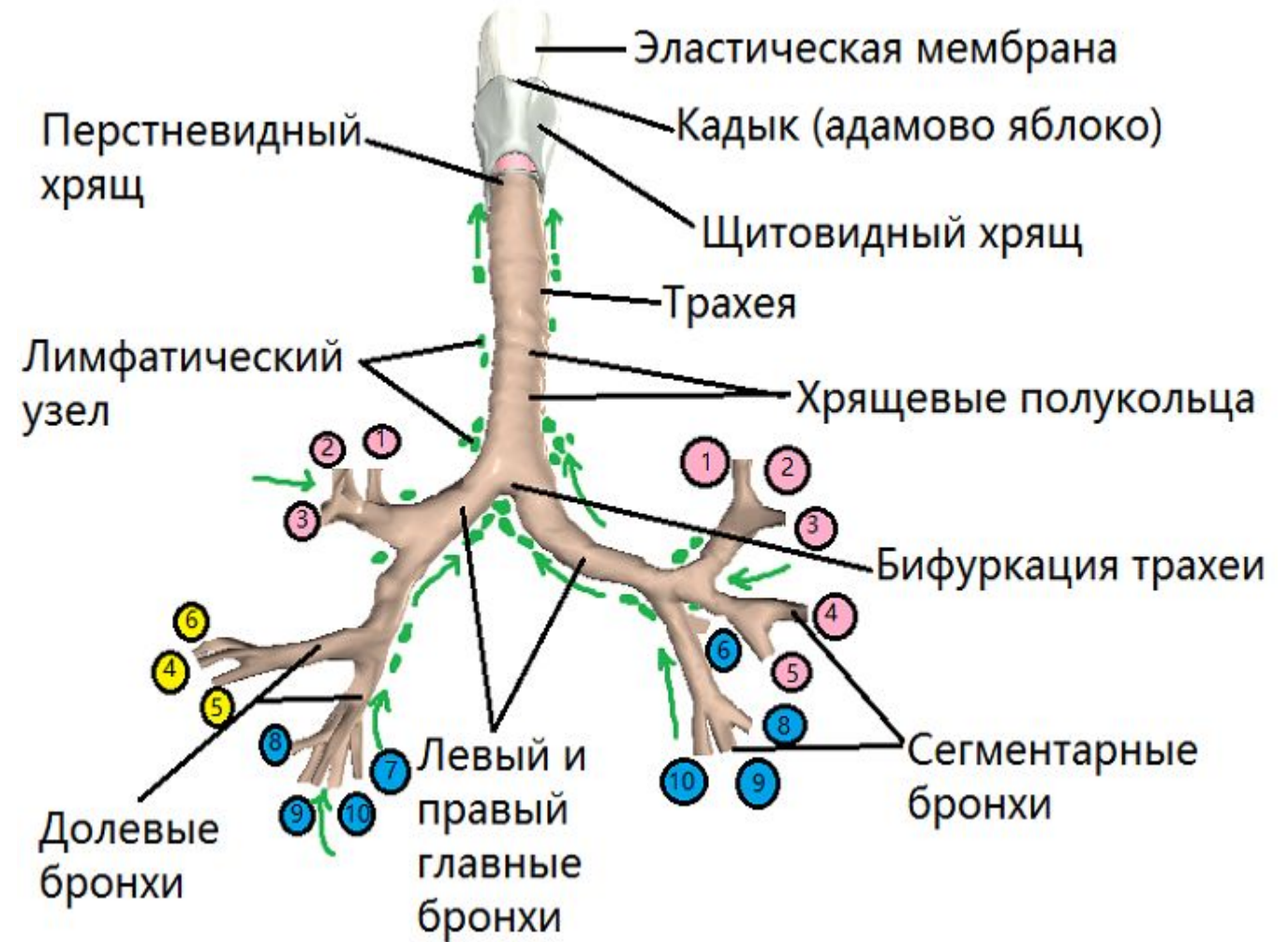
- Lasts at least 3 months

- A type of chronic obstructive pulmonary disease (COPD)



Бронхи являются периферией дыхательных путей. Вдыхаемый воздух, проходя по ним и остальным дыхательным путям, приобретает необходимую температуру человеческого организма, увлажняется, очищается от пыли, микробов и других веществ, которые могут навредить легким. Только строение бронхов помогает осуществить этот сложный процесс.

Бронхиальный скелет устроен внутри и снаружи легкого по-разному. Это объясняется разными условиями механических воздействий на стенки органа. Вне легкого скелет состоит из хрящевых полуколец, которые на входе в ворота легкого преобразуются в хрящевые связи, делая их стенки решетчатыми.



Who can get bronchitis?

- People of all ages and ethnicity can get chronic bronchitis but it's most common in people over 45 years old and people who smoke
- Women are twice as more likely to be diagnosed with chronic bronchitis
- Acute bronchitis is most common in elderly people, infants, and young children



Causes

- Bronchitis is caused by the inflammation of the bronchial tubes.
- Acute bronchitis is usually caused by viruses. Typically the same viruses that cause colds and the flu.
- Chronic bronchitis is usually caused by smoking, air pollution, dust, or toxic gases.
- Tonsillitis is similar to bronchitis except tonsillitis is the inflammation of the tonsils.
- It is also caused by bacteria and viruses.



What is Affected by Bronchitis?

Bronchitis affects the bronchial tubes in the lungs. Acute bronchitis is temporary whereas chronic bronchitis is the long term inflammation of the bronchi. Bronchitis is usually accompanied by other upper respiratory infections such as tonsillitis.



Healthy Lung



Smoker's Lung

What are symptoms of bronchitis?

For both types of bronchitis the symptoms are:

- Coughing
- Production of mucous
- Shortness of breath and wheezing
- Slight fever and chills
- Tiredness
- Sore throat/chest



What diagnostic methods are available?

- Chest x –ray
- Sputum test
- Pulmonary function test
- Pulse oximetry



What treatments are available?

- For acute bronchitis, most cases are resolved without medical treatment in 2 weeks
- Doctors may prescribe:
 - Antibiotics
 - Cough medicine
 - An inhaler
- Chronic bronchitis cannot be cured but the treatments available are:
 - Antibiotics
 - Pulmonary rehabilitation
 - Pneumonia and flu shot
 - Lung volume reduction surgery



Side effects of treatment :

Different types of antibiotics have different side effects. Common side effects include:

- Nausea, vomiting, and upset stomach.
- Dizziness or headache.
- Severe watery diarrhea and abdominal cramps.
- Persistent cough, which may produce mucus
- Wheezing
- Low fever and chills
- Sore throat
- Body aches
- Breathlessness
- Blocked nose and sinuses.



Is the bronchitis curable? What is the probable outcome after treatment?

Bronchitis is a curable disease.

Outcome after treatment :

- A dry, hacking cough may however be present for several months .
- Acute bronchitis usually heals completely, therefore leading to an excellent prognosis.

What lifestyle changes would be recommended?

- Stop Smoking
- Avoid Airborne Irritants
- Wear a Mask
- Stay Active
- Manage Your Weight
- Rest as Needed
- Learn to Relax



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Thank's for your attention