

Measurement of lung volume by spirometry and broncodilation

Purpose of the study

The aim of the study is to determine lung function and evaluate the nature and severity of possible dysfunction. During the test, you will be given medicine that dilates the bronchus. This study is used in the diagnostics of asthma and the evaluation of treatment.

Preparations

- Don't drink alcohol for 1.5 days (36 hours) before the study.
- Don't eat a heavy meal before the study (you can still eat before the study).
- Don't smoke cigarettes for 4 hours before the study.
- Don't drink coffee, tea, cola drinks or other substances meant for preventing drowsiness for 2 hours before the study.

Study protocol

The nurse will give you instructions how to breathe into the device. You start by breathing normally into the mouthpiece of the measurement device. Then you inhale as much as possible and exhale quickly and as long as possible. You will repeat these breathing cycles few times. Then you will be given the medicine to dilate the bronchus. After that you will repeat the breathing cycles again.

Notice

The study can't be done if you have a common cold or you are taking antibiotics for a respiratory infection. In such case contact the department organizing your treatment.

Please do not wear any perfume when coming to the department as it may cause severe symptoms to patients with asthma or allergy!

Contact information

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