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Description of lung inflation

Lung inflation is also known as hyperinflation and is described as an severe increase volume of the lung which is mostly considered as End -respiratory lung volume. It mostly happens due to prolonged lung emptying rate with a shortened expiratory time which results from increased ventilatory frequency leading to decreased respiratory frequency. Most importantly, lung inflation is associated with obstructive airway disease that affects airflow where increased volume of lungs that prevent airflow in the body. It happens when the airways are blocked or when the air is trapped within the airway. The blockage of airways compromises the air sacs which leads to air retention by lungs.

The obstructive lung disease patients experience difficulty in inspiring and mostly the air cant get in their breathing system because of the blockage of the airways hence experiences breathlessness.

How to control lung inflation

This condition can be controlled by surgeries for lungs reduction and application of bronchodilators that helps in decreasing lung unit abnormality while at the same time deflating the lungs. The deflated lungs therefore improves lungs emptying leading to normal time constant where patients achieves the needed ventilation. Mostly, if the lungs are deflated, patients experience low operating volume of lungs with reduced oxygen of inhalation.

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