

ABSTRACT

Toxicology of the respiratory system

Exposure to chemical substances can cause adverse effects on the respiratory system. Respiratory toxicity can include a variety of acute and chronic pulmonary conditions, including local irritation, bronchitis, pulmonary emphysema, fibrosis and cancer.

This thesis deals with problems of occupational lung diseases caused by the inhalation of mineral dust into the lungs and reaction of the lung tissue on this dust. It analyses the classification of the most important pneumoconiosis and more closely describes silicosis, coal worker's pneumoconiosis, asbestosis and berylliosis.