

Reference Number: 025418/0050

Title of the Invention

A ZEOLITE USED IN PLEURODESIS

Invention

The present invention relates to the use of a zeolite as a chemical agent with additional cytotoxic effects used in pleurodesis in the cases of liquid accumulation (pleural effusion) or air accumulation (pneumothorax) in the pleural cavity of lungs.

The aim of the present invention is to enable the use of different types of zeolites in pleurodesis for the treatment of pulmonary diseases such as pleural effusions and pneumothorax. Other aim of the present invention is to use powdered zeolite as an agent in pleurodesis. Yet another aim of the present invention is to make use of the cytotoxic effect of zeolites on cancer cells.

Advantages

In order to realize the aim of the present invention, synthetic zeolite (zeolite X and zeolite Y) and/or natural zeolite (clinoptilite) may be used. Due to its cytotoxic effect, zeolite also kills cancer cells in the site of administration in lung cancer cases. Thus, it has a dual effect as both a pleurodesis chemical agent and cytotoxic agent in the treatment of pleural effusions and/or pneumothorax secondary to lung cancer, as well as in the treatment of lung cancer itself.

Current Status

TURKEY: Registered

Keywords

Lungs, pleurodesis, cytotoxicity, lung disease, lung cancers

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