

Modified Synthetic Tissue "Hernia Mesh"

Summary

The modified hernia mesh can be secured by gluing and used to substitute all kinds of commercial meshes. In contrast to the conventional metal clamps or stitches this method leads to a shortening of surgery time and less pain after surgery.

Industrial partners are sought for various possible commercialisation options.

Background

FESTEL CAPITAL is supporting a German university to commercialise a modified synthetic tissue for the laparoscopic repair of hernias.

Description

Hernia meshes are used to stabilise soft tissue seams. Normally the meshes are secured by stitches or metal clamps, the latter of which may cause pain for many weeks after surgery. With minimally invasive surgery stitching the mesh is difficult and time-consuming.

The modified hernia mesh can be secured by gluing. When using glue to secure the mesh, it is important to inhibit dripping of the glue from the mesh onto the intestinal organs. The described textile meshes have been modified by coating them with a soft polysaccharide layer, making them capable of adsorbing the glue. As glue, a commercially available medical cyanoacrylate can be used.

Application areas

This hernia mesh can be used to substitute all kinds of commercial meshes.

Advantages

Advantages this technology offers include the following:

- Shortening of the surgery time
- Less pain after surgery (in comparison to metal clamps)

Investment Opportunity

The aim of FESTEL CAPITAL is to commercialise this innovative hernia mesh. In the search for industrial partners different commercialisation options, such as out-licensing or a sale of all relevant intellectual property and know-how, are possible. Detailed information can be provided after the signing of a confidentiality agreement.

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About FESTEL CAPITAL

FESTEL CAPITAL is an advisory and investment firm focusing on the commercialisation of technologies in the areas of energy, environment, health, materials and nutrition.

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