

Hernia Towel Improves Patient Outcomes After Hernia Repair Surgery

Published date: March 27, 2019

Technology description

Brief Description

Low friction surgical towel retracts the bowels for better visualization and isolation of the abdominal wall during hernia repair.

Problem

Over 250,000 hernia repair surgeries are performed in the United States every year. Keeping the herniating bowels out of the surgical site during such surgeries is a challenge. Currently, surgeons use basic cloth and towels to block the opening in the abdominal wall while performing the procedure. Standard cloth can be difficult to remove and can inadvertently be left inside patients; these cloths also irritate the sensitive tissue slowing recovery.

Solution

Dr. Kovach's hernia towel design features a surface that slides over tissue without irritation, allowing for easy removal and better recovery. There are features in the device that allow for easy detection in the abdominal cavity and helps ensure it is not left inside the patient. The towel also employs a feature that allows the surgeon to keep the towel in place until the closing sutures and also facilitates towel removal. The towel effectively protects the bowels during hernia repair surgery and provides better visibility for the surgeon.

Application area

- Retract the bowels while performing open ventral hernia repair.

Advantages

- Material is less abrasive than traditional cloth.
- Device to ensure towel will not be left in patient.
- Easy removal from patient.
- Patients will have quicker recoveries and fewer complications.

Institution

[University of Pennsylvania](#)

Inventors

[Stephen Kovach](#)

assistant professor

联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com