



Self-Closing Trocar



Inventors

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UNeMed currently offers a variety of licensing options and collaborative development opportunities with the University of Nebraska Medical Center

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Self-Closing Trocar for Minimally Invasive Surgery

Technology Fields: Medical Devices - Surgical

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Summary

Minimally Invasive Surgeries (MIS) clearly have significant benefits over open surgical procedures for the patient, including less post-operative pain and visible scarring, and faster recovery leading to shorter hospital stays and a reduction in costs. However, incisions made the trocars used in MIS may lead to complications such as incisional hernias and bowel incarceration. The complexity of performing standard suturing techniques and obtaining all fascial and peritoneum layers in the small incision sites lead to these complications.

UNeMed is currently offering licensing opportunities for novel improvements in suturing incision sites to reduce complications. The Self-Closing Trocar for Minimally Invasive Surgery is not only a trocar, but it also serves as a suturing device during its removal. The Self-Closing Trocar reduces the complications by grasping all layers of the fascia and peritoneum.

Market Value

Surgical developments utilizing Minimally Invasive Surgery continues to expand, and these procedures are becoming widely utilized. However, the problems due to trocar insertion site closure are major obstacles, especially for the patient. The Self-Closing Trocar for Minimally Invasive Surgery overcomes this obstacle allowing for more precise closure of the incision sites, reducing complications for the patient.

Features and Benefits

- Simple design and use
- Reduced surgical times
- Reduced trocar herniation
- Simplified trocar site closure

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