



Ark Surgical Ltd.

User-friendly, safe and cost-effective organ removal for laparoscopic surgery

About Us

Ark Surgical is developing and commercializing LapBox, a proprietary simple-to-use device facilitating contained removal of large internal organs through a laparoscopic “keyhole” incision in a safe and cost effective manner.

The single-use LapBox employs simple mechanical principles to ensure safe organ removal using a power morcellator without the need for open surgery.

Clinical Need

Efficient laparoscopic surgeries that include the removal of large organs, particularly in gynecology depend on the use of a power morcellator, a device which shreds the large organ, allowing it to be removed from the body via a small incision. Since 2014 there has been a major reduction in the use of power morcellators due to inherent risk of cancerous tissue spreading throughout the surgical cavity.

In response to FDA's call for the development of dedicated containment solutions to address this need, new devices are currently being developed by several companies. These solutions, however, appear to be highly complex and time consuming which is expected to limit their market acceptance.

LapBox

LapBox creates a confined space within the peritoneal cavity that is easily accessible from outside the abdomen. The unique mechanism employed will ensure simple deployment and removal as well as a higher level of safety than provided by other solutions.

With the LapBox solution, hospitals are expected to benefit from reduced costs through improved workflow efficiency and fewer surgical complications which require additional OR time, prolonged hospitalization and readmissions.

As healthcare providers seek methods to improve overall patient outcomes and quality of care, LapBox is expected to be well received and widely adopted as a standard practice as part of laparoscopic surgery.

Key benefits:



User-friendly, rapid set up, operation and removal



Enables power morcellation with a high level of safety for the patient



Improved visibility for the surgeon



~ 500K laparoscopic procedures/yr. that include large organ removal performed in the US alone; estimated at over 1M procedures worldwide.

Intellectual Property

A US patent has been filed covering the unique concept and structure of the LapBox.