Highest Quality Engineering:

The PAJUNK® Balloon Systems for Extraperitoneal Surgery

Space Creating Balloons

The space creating PAJUNK® Balloon Systems facilitate optimal, fast and effective dissection of the extraperitoneal space. Orientation is made easier and two different shaped balloons are available for either unilateral or bilateral hernias.

Balloons to Ensure Working Space Access

Structural balloon system

The structural balloon is particularly suitable for peritoneal access. The design of the balloon simplifies the separation of the peritoneum from the abdominal wall. Additionally, it prevents the peritoneal space from collapsing in the case of a loss of gas. Extraction of the group system with dissected tissue is avoided. The gastight seal of the incision is formed in the same way as the ring-anchor balloon system.

Ring-anchor balloon system

This ring-anchor balloon is also suitable for gastight accessing of the peritoneal space. The seal is made by inflating the ring-anchor balloon and then advancing and securing the fastening device. Insufflation is performed via the built-in stop cock.

The dilatation balloon is introduced by means of a blunt obturator above the peritoneum and advanced between the posterior fascia and the rectus muscle up to the pubic bone.

The obturator is retracted and replaced by a laparoscope. This ensures optimal viewing during the pneumatic dilatation of the preperitoneal space.

Placement of a double sealed structural or ring-anchor balloon system is made via which carbon dioxide is insufflated. This will maintain the preperitoneal space during the operation. These systems also provide a Ø 11 mm working channel in the created preperitoneal space through which the laparoscope or instruments can be introduced.

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The layers are separated by pneumatic dilatation. Any minor hemorrhaging is prevented immediately by the pressure of the balloon. The laparoscope and the deflated balloon are then reinserted.

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The space creating PAJUNK® Balloon Systems are well suited for minimally invasive extraperitoneal hernioplasty (TEP) in this gentle procedure. Introduction and inflation of a balloon results in a pneumatics dilation of the extraperitoneal space so that the abdominal wall can be reinforced by means of an implanted mesh.

This considerably reduces the size of the incision. It also minimizes the time required for recovery post-operatively.

Together with the trocar systems, the balloon systems provide a minimally invasive combination system of PAJUNK® instruments addressing all the requirements for extraperitoneal surgery.

The PAJUNK® Balloon System offers clinical benefits in addition to exceptional value for money.