KARL STORZ
TERNAMIAN EndoTIP –
Primary port insertion under visual control
With the TERNAMIAN ENDOTIP (Endoscopic Threaded Imaging Port), KARL STORZ is presenting a special trocar system which allows the surgeon to access the abdominal cavity under visual control.

A small horizontal anterior rectus fascial incision is made under magnified video control. Blunt cannula tip (T). The TERNAMIAN ENDOTIP cannula is engaged in the anterior rectus fascial window and rotated clockwise. Rotation stretches radially, transposes and then lifts the anterior rectus fascia (F) and muscle (M) on to the cannula's outer thread.

Further rotation will lift the posterior rectus fascia (PF) and advance the cannula to the pre-peritoneal space (P). The thin peritoneal membrane transilluminates and appears blue-gray in color (P). Continuous video control demonstrates different entry and exit layers clearly. This unique feature of the TERNAMIAN ENDOTIP system allows the surgeon to stop advancing the cannula if bowel, vessels or adhesions are observed.
Application of the TERNAMIAN ENDOTIP system entails a complete departure from the conventional push-through trocar and cannula peritoneal entry method. This offers a number of remarkable advantages for both - the surgeon and the patient.

**Highly atraumatic!**
Through the elimination of sharp or pointed trocars and the use of a blunt cannula only, the tissue is not cut but merely displaced. Therefore the integrity of the facia and facial closure mechanism is better preserved.

**Controlled insertion!**
The TERNAMIAN ENDOTIP is introduced into the abdomen together with the telescope using a controlled rotating motion. Inadvertent injury to the patient’s organs caused by uncontrolled penetration of the abdominal wall is virtually eliminated. The telescope provides an excellent, enlarged view of the point of penetration. The various tissue layers can be clearly identified, and any peritoneal adhesions can be recognized early.

Thanks to the available Telescope Stopper, the Telescopes stays fixed at the required place and will not move uncontrolled during the introduction of the TERNAMIAN ENDOTIP trocar.

**Secure hold!**
The thread design of the TERNAMIAN ENDOTIP trocar ensures a secure hold in the abdominal wall. Together with the proven KARL STORZ multifunctional valve, this reduces gas loss at the point of penetration to a minimum.

**Economically wise!**
The fact that the system is completely reusable also makes it very affordable when compared to conventional single-use trocar systems.

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