

PAJUNK®

Balloon Systems

Gentle and safe

MEDICAL TECHNOLOGY

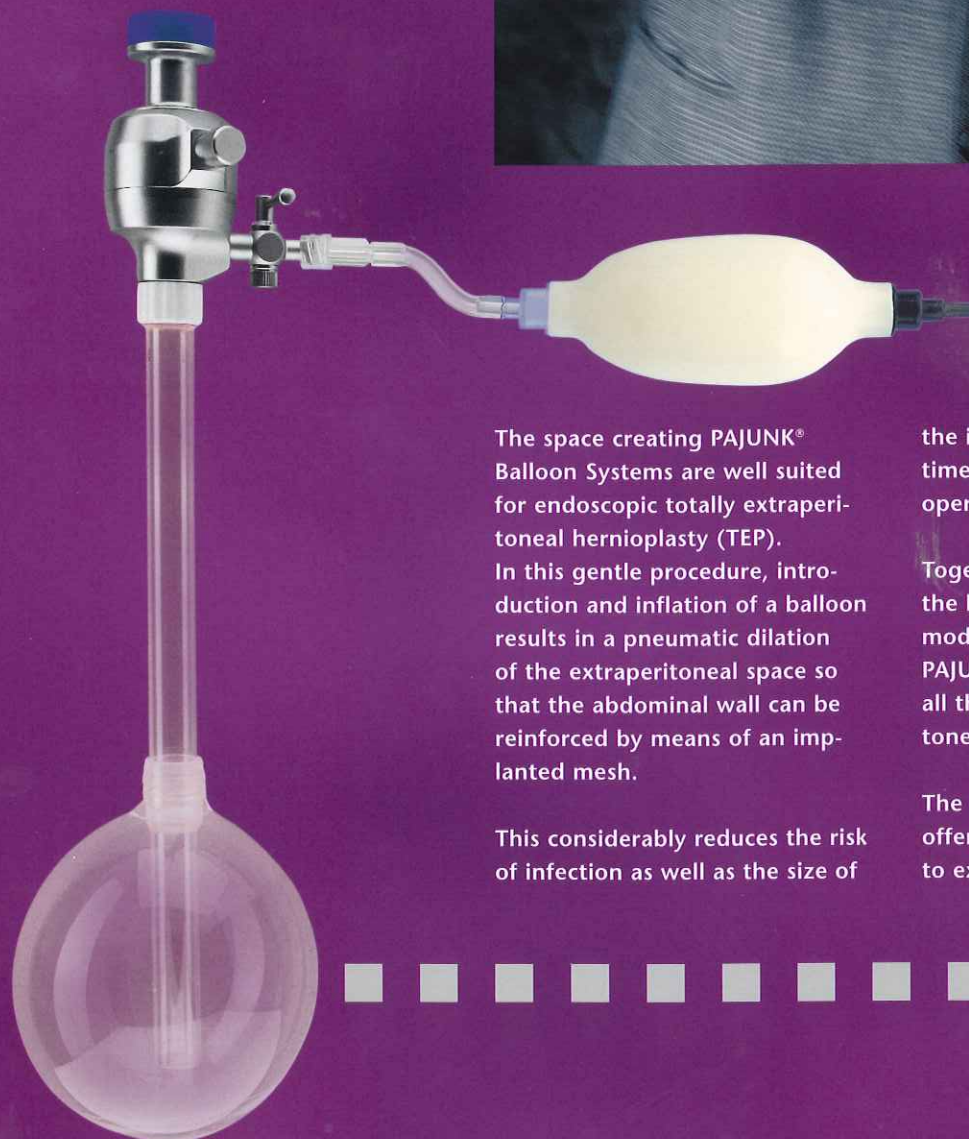
Balloon Systems

No restrictions:

A Greater Scope of Action – More Combination Options

Essential advantages of the TEP method

- low relapse quota (< 2%)
- full recovery after 12 to 14 days (compared to conventional operations of 6 to 7 weeks)
- smaller incision resulting in a lower risk of infection
- reduced need for pain medication (post operative)
- shorter stay in the clinic



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

This considerably reduces the risk of infection as well as 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 modular 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.

Balloon Systems

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 preperitoneal space under direct view. Orientation is made easier and three different shaped balloons are available for either unilateral or bilateral hernias.



Bilateral dilatation
balloon



Unilateral dilatation
balloon



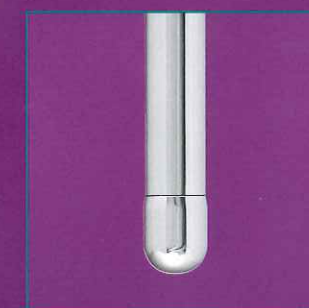
Unilateral dilatation
balloon extra large

Obturator



Blunt obturator for unilateral and bilateral dilatation balloons

Balloon Systems



Balloons to Ensure Working Space Access

Structural balloon system

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



Structural
balloon system

Ring-anchor balloon system

The ring-anchor balloon is also suitable for gastight accessing of the preperitoneal 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.



Ring-anchor
balloon system

Obturator



Blunt obturator for the structural balloon system



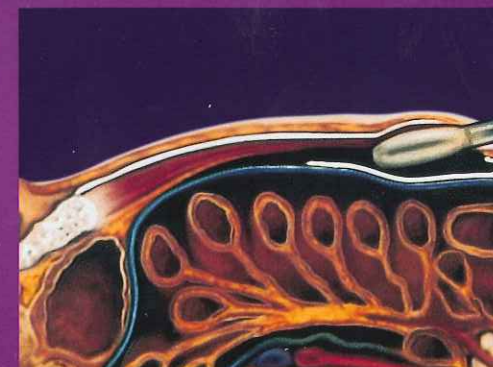
Blunt obturator for the ring-anchor balloon system

Balloon Systems

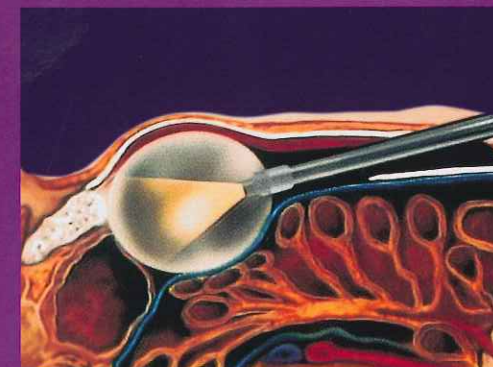
Safe and gentle:

The Totally Extraperitoneal Hernioplasty (TEP)

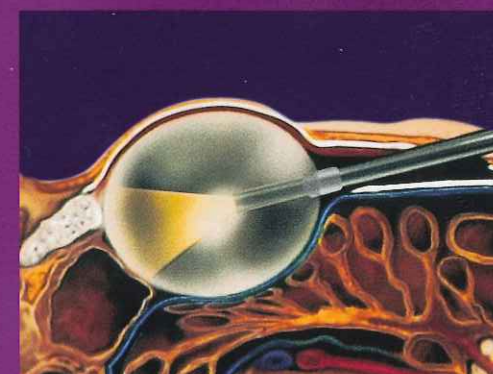
Reinforcement of the abdominal wall is conducted endoscopically by means of a plastic mesh in front of the peritoneum and behind the abdominal musculature in cases of inguinal or femoral/crural hernias.



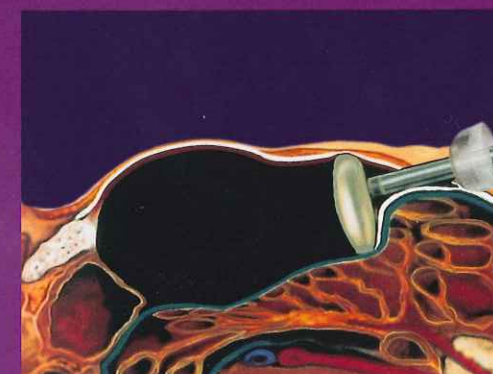
The dilatation balloon is introduced by means of a blunt obturator above the peritoneum and advanced between the posterior fascia and the rectus muscle up to the pubic bone.



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



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 removed.



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.




Balloon Systems

Balloon Systems – Extraperitoneal Surgery



Space creating balloons



Ball pump
Syringe 30 ml

Product	Size	Order no.	PU		
 Unilateral dilatation balloon Sterile, disposable set with dilatation balloon (round)	Ø 11 mm	1285-10-11	5	•	
 Unilateral dilatation balloon extra large Sterile, disposable set with dilatation balloon (round, extra large)	Ø 11 mm	1285-60-11	5	•	
 Bilateral dilatation balloon Sterile, disposable set with bilateral dilatation balloon (oval)	Ø 11 mm	1285-50-11	5	•	







Balloons to ensure working space access

Product	Size	Order no.	PU		
 Structural balloon system Sterile, disposable set with structural balloon and instrument channel	Ø 11 mm	1285-20-11	5	•	
 Ring-anchor balloon system Sterile, disposable set with ring-anchor balloon and instrument channel	Ø 11 mm	1285-30-11	5		•

Balloon Systems – Sets






Ball pump
Syringe 30 ml

Product	Size	Order no.	PU		
 Unilateral double balloon set Sterile, disposable set with dilatation balloon (round), ring-anchor balloon and instrument channel	Ø 11 mm	1285-10-20	5	•	•
 Unilateral double balloon set Sterile, disposable set with unilateral dilatation balloon (round), structural balloon and instrument channel	Ø 11 mm	1285-10-24	5	•	
 Unilateral double balloon set extra large Sterile, disposable set with unilateral dilatation balloon (oval), ring-anchor balloon and instrument channel	Ø 11 mm	1285-60-20	5	•	•
 Unilateral double balloon set extra large Sterile, disposable set with unilateral dilatation balloon (oval), structural balloon and instrument channel	Ø 11 mm	1285-60-24	5	•	
 Bilateral double balloon set Sterile, disposable set with bilateral dilatation balloon (oval), ring-anchor balloon and instrument channel	Ø 11 mm	1285-50-20	5	•	•
 Bilateral double balloon set Sterile, disposable set with bilateral dilatation balloon (oval), structural balloon and instrument channel	Ø 11 mm	1285-50-24	5	•	




Balloon Valves

All reusable balloon valves are equipped with an ergonomic valve housing, easy to clean, low weight, quick-lock and maintenance-free stop cock for gas insufflation.

Product	Size	Order no.	PU
 TrocaPort – with silicone valve silicone valve is replaceable	Ø 11 mm	1285-21-11	1
 TrocaTec – with manuell and automatic trap door valve operation	Ø 11 mm	1285-13-11	1
 TrocaTec – with automatic trap door valve	Ø 11 mm	1285-26-11	1

Obturator

Blunt obturators for balloon systems.

Product	Size	Order no.	PU
 Blunt Obturator for dilatation balloons for the introduction of unilateral and bilateral dilatation balloons	Ø 11 mm	1285-94-11	1
 Blunt obturator for structural balloon system for the introduction of structural balloons	Ø 11 mm	1285-95-11	1
 Blunt obturator for ring-anchor balloon system for the introduction of ring-anchor balloons	Ø 11 mm	1285-96-11	1



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