SPS – Secure Portal System
Portal Management in Shoulder Arthroscopy
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The SPS – Secure Portal System facilitates the positioning of the portals during shoulder arthroscopy and offers better support for the introduced trocar sheaths by protecting the surrounding soft tissue.

The atraumatic and targeted insertion of the positioning needle makes it possible to introduce both the subsequent dilation system as well as the trocar sheath system into the shoulder joint without any problems. It is possible to probe the target structures in this joint in advance with the positioning needle, whereby it is also possible to confirm the correct position of the trocar sheath to be inserted. If the positioning needle is unable to reach the desired areas, it can be easily repositioned without trauma to the soft tissue.

The individual steps during the insertion of the trocar sheath system are arthroscopically controlled, which prevents damage when the joint is entered.

KARL STORZ ist noch bis Ende 2015 Förderpartner der Deutschen Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE).
SPS – Secure Portal System
Recommended Sets

The sets include Handle 28179 DF, which makes it easier to introduce Dilator 28179 DL. Threaded Cannulas 28179 SA – SD are for single use and are supplied unsterile.
Fig. 1
- The positioning needle with a diameter of 1.5 mm is introduced transcutaneously into the joint. The position must be corrected until the positioning needle penetrates the capsule at the desired point in the correct direction.
- The obturator is removed from the positioning needle.

Fig. 2
- A Kirschner wire with a diameter of 0.9 mm is introduced through the positioning needle into the joint.
- The positioning needle is removed from the joint while the Kirschner wire is left in position. Skin incision along Kirschner wire corresponding to cannula size.

Fig. 3
- A cannulated dilator is pushed along the Kirschner wire into the joint, using a handle.
- The Kirschner wire is removed.

Fig. 4
- The trocar sheath that was inserted into the handle for easy handling is advanced along the dilator.
- The soft tissue is hereby dilated until the trocar sheath snaps safety in place behind the capsule.

Fig. 5
- Then the handle can be pulled off the trocar sheath. The trocar sheath then is ready for use and remains safely in the joint.
SPS – Secure Portal System

28179 E  Basic Set for SPS – Secure Portal System
   including:
   Positioning Needle
   Obturator
   Guide Wire, package of 6
   Dilator
   Handle, for Dilator 28179 DL
   Valve Housing
   Set of Gaskets, unsterile, package of 10

A workable instrument set requires the following supplementary sets:

1. For inner diameter 6.1 mm, working length 7 cm
   28179 EB  Dilator, with handle
   28179 EO  Obturator, diameter 4 mm, for use with Dilator 28179 EB
   28179 SA  Cannula, with thread, transparent, for single use

2. For inner diameter 6.1 mm, working length 8.5 cm
   28179 EC  Dilator, with handle
   28179 EP  Obturator, diameter 4 mm, for use with Dilator 28179 EC
   28179 SB  Cannula, with thread, transparent, for single use

3. For inner diameter 8.25 mm, working length 7 cm
   28179 FB  Dilator, with handle
   28179 FO  Obturator, diameter 4 mm, for use with Dilator 28179 FB
   28179 SC  Cannula, with thread, transparent, for single use

4. For inner diameter 8.25 mm, working length 8.5 cm
   28179 FC  Dilator, with handle
   28179 FP  Obturator, diameter 4 mm, for use with Dilator 28179 FC
   28179 SD  Cannula, with thread, transparent, for single use

Optional:
   28179 GS  Set of Gaskets, 10x 2 sealing caps, sterile, for use with
             Valve Housing 28179 DG/OG
   28179 GU  Set of Gaskets, 10x 2 sealing caps, unsterile, for use with
             Valve Housing 28179 DG/OG
   28179 OG  Valve Housing, without Luer-Lock, for use with Cannulas
             and Set of Gaskets 28179 GU/GS
Notes

It is recommended to check the suitability of the product for the intended procedure prior to use.