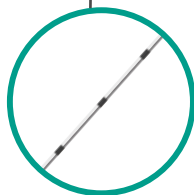


IntraLong

Catheter Set for Continuous Spinal Anaesthesia

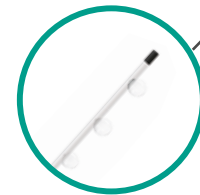
Continuous Spinal Anaesthesia is often used in orthopedics and for large-scale tumor operations. PAJUNK® offers a special ramped SPROTTE® needle that allows for a small size catheter placement through the needle into the intrathecal space. The sets include additional accessories like filter and dosing syringe



Depth Markings

Graduations on the first 30cm

- Easy determination of the catheter
- Easy to read and identify

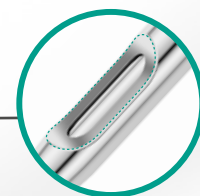


Catheter Options

- With central opening (27G)
- With closed tip and three lateral openings (25G)

Sprotte Special Tip with Ramp

- Reduces the chance of shearing off catheter
- Easy catheter threading



Atraumatic Tip Design

The ogive shaped tip significantly reduces the risk of PDPH and the rounded edges of the lateral eye minimise trauma to the dura mater.

- Minimises chance of PDPH¹
- Consistent tactile feedback

Lateral Eye

Burr-free, rounded atraumatic edges

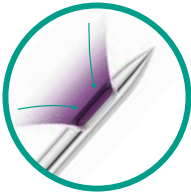
- Optimised gliding properties
- Minimum chance of tissue coring and carry-over into the subarachnoid space

1. Saenghivattana R. et al. A comparison study between newly-designed pencil-point and cutting needles in spinal anesthesia. J. Med. Assoc. Thai. 2008; 91 (Suppl 1): S156-161
2. Armon C., Evans R. W. Addendum to assessment: Prevention of postlumbor puncture headaches Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology, Neurology, 2005; 65: 510
3. Cesarini, M. et al. Sprotte needle for intrathecal anaesthesia for Caesarean section: incidence of postdural puncture headache, Anaesthesia 1990; 45: 646-658

IntraLong

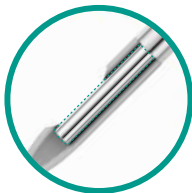
Catheter Set for
Continuous Spinal Anaesthesia

Additional Features



Optimal Lateral Eye Size and Placement

- Unobstructed backflow, even if the eye is partially blocked by the arachnoid membrane
- Allows for quicker CSF flashback¹



Precision-Ground Metal Stylet

- Lateral eye closes precisely to minimise chance of tissue coring²
- Polished, rounded tip prevents abrasion on the inner needle tube



Standard Hub

- Designed for rapid detection of even the smallest quantities of CSF
- Reduced inner space



Highest Processing Quality

- High quality stainless steel needle for increased stability
- Smoothly polished and burr-free surface and inner lumen designed for optimised gliding properties and CSF backflow
- Consistent feel and reliable performance

IntraLong
with Filter and
Clamping Adapter

SPROTTE® Special Needle Size	Catheter	Item no.	NRFit® Item no.	PU
22G x 90mm (3 1/2")	27G x 90cm (35")*	21151-30CS	22161-30CS	10
22G x 90mm (3 1/2")	27G x 90cm (35")*	31151-30CS***		10
22G x 103mm (4")	27G x 90cm (35")*	21151-30CL		10
21G x 90mm (3 1/2")	25G x 90cm (35")**	31151-30GS***	22161-30GS*	10
21G x 103mm (4")	25G x 90cm (35")**	31151-30GL		10

*with central opening
 **with closed tip and three lateral openings
 ***with 1 ml Luer Syringe

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