E-Cath
Echogenic Catheter over Needle CNB System

Nerve Blocks
The Nerve Block Catheter Challenge

Is your traditional catheter system giving you headaches?

LEAKAGE
MISSING 3RD HAND
DIFFICULT TO PLACE
DISLOCATION
TOO MANY STEPS
MIGRATION
KINKING

E-Cath can solve the problems by:

- Making catheter placement as easy as a single shot
- Reducing the chance of leakage
- Reducing the chance of dislocation and catheter migration
- Reducing the chance of catheter kinking
- Offering an optimized local anesthetic spread
- Providing optimized ultrasound visibility of needle tip, needle shaft, and catheter
E-Cath
The clear choice in Continuous Nerve Blocks (CNB)

Developed together with Dr. Ban Tsui, the E-Cath combines the best from clinical experience and engineering expertise, resulting in a system that addresses the biggest catheter problems in CNBs: complexity, catheter kinking, anesthetic leakage and catheter dislocation and migration.1,2,3,4

The result is: easier, faster, safer and more reliable continuous nerve blocks and the reduction of workload during post-op pain management.

See www.easycathusa.com for application details and product videos.

SonoPlex Needle with Indwelling Catheter

“Cornerstone Reflectors”

The patented 360 degree “Cornerstone Reflectors” known from Pajunk SonoPlex needles provide the best available U/S-visibility of the needle and needle tip.5,6

Gilding and Stimulation

The needle has a distal opening that allows for the anesthetic to flow additionally between the outer needle wall and the indwelling catheter, improving the U/S-visibility during needle placement.

NanoLine coating provides excellent gliding and stimulation qualities, and helps improving the U/S-visibility of the needle.

SelfPriming System

The E-Catheter comes with a proximal opening which allows the anesthetic to flow, besides the open tip, also between the outer wall and the indwelling catheter. This feature creates the 360 degree flow and improves the U/S-visibility of the E-Catheter.

FixoCath
The perfect E-Cath fixation

Simple use, small size & clear film material

Product advantages at a glance

- Designed to reduce catheter migration and dislocation
- Easy and quick application
- Universally usable for all nerve blocks due to small size
- Punchout site can be easily inspected at any time due to clear film material
- Skin friendly hydrocolloid dressing

“CON” Technique
“Catheter over Needle” Technique

Significantly reduces the chance of anesthetic leakage and catheter dislocation or migration1,2,4

Safe Flow and Kink Resistance

The double layer catheter technology solves the kinking problem and guarantees a consistent anesthetic flow. This is additionally supported by the open tip, also the indwelling catheter.

Integrating Injection Tubing

Reduction of procedural steps: catheter angiography is now integrated in the catheter system.

before Removal

Needle
Needle
Lumen
Indwelling
Catheter

after Removal

Catheter
Lumen
Indwelling
Catheter
Studies

1 Ip V. H. Y. et al. The catheter-over-needle assembly offers greater stability and less leakage compared to the traditional counterpart in continuous interscalene nerve blocks: a randomized, patient-blinded study, Can. J. Anesth. 2013; 60: 1272–1273 *


5 Fuzier R. et. al. The echogenicity of nerve blockade needles, Anaesthesia 2015, 70: 462-466


7 Ip V. H. Y. et al. The catheter-over-needle assembly facilitates delivery of a second local anesthetic bolus to prolong supraclavicular brachial plexus block without time-consuming catheterization steps: a randomized controlled study, Can. J. Anesth. 2013; 60: 692–699 *


*1 E-Cath is called E-Catheter in this study

*2 E-Cath is called Multi-Set in this study