E-Cath/E-Cath Plus
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/E-Cath Plus 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/E-Cath Plus
The clear choice in Continuous Nerve Blocks (CNB)

Developed together with Dr. Ban Tsui, the E-Cath/E-Cath Plus 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.1,2,4 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

“CON” Technique
“Catheter over Needle” Technique

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

The classic option

Building upon the “Catheter over Needle” concept, the E-Cath makes the nerve block catheter placement as easy as 1, 2, 3.

**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.

**Gliding and Stimulation**

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

**SelfPriming System**

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

**Patient Safety and Comfort**

SoftTip Technology to reduce the chance of nerve damage.

**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 & 360 degree side port.

**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.

**Integrated Injection Tubing**

Reduction of procedural steps: catheter adapter is pre-assembled to the catheter system.
**E-Cath Plus**

The extended tip option

The E-Cath Plus brings all the benefits of the classic E-Cath system and offers additionally the following features:

- Longer inner catheter tip
- Unique 360 degree side port along with 3 lateral openings

---

### E-Catheter with integrated stylet

(25mm length) at proximal end

- Easy threading and additional stability to the soft inner catheter
- Allows the tip to remain flexible and atraumatic
- No additional procedural steps

---

### Longer E-Catheter tip

Protrudes 15mm past the indwelling catheter

- Easy placement past the nerve
- Compensates for minor tissue movement reducing chance of catheter migration

---

### Unique 360 degree side port along with 3 lateral openings

- Even distribution of medication around the target site

---

**FixoCath**

The perfect E-Cath fixation

Simple use, small size & clear film material

---

**Product advantages at a glance**

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

---

**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 *²
5. Fuzier R. et. al. The echogenicity of nerve blockade needles, Anaesthesia 2015, 70: 462-466

*¹ E-Cath is called E-Catheter in this study
*² E-Cath is called Multi-Set in this study
## E-Cath

### Echogenic Catheter over Needle CNB System

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Item no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Cath with 18G x 2” (51 mm) indwelling catheter, SonoPlex Needle 21G x 2 2/3” (68 mm), 20G Self Priming Catheter and FixoCath catheter fixation device</td>
<td>201285-40E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath with 18G x 3” (75 mm) indwelling catheter, SonoPlex Needle 21G x 3 2/3” (94 mm), 20G Self Priming Catheter and FixoCath catheter fixation device</td>
<td>211285-40E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath with 18G x 3 1/4” (83 mm) indwelling catheter, SonoPlex Needle 21G x 4” (101 mm), 20G Self Priming Catheter and FixoCath catheter fixation device</td>
<td>241285-40E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath with 16G x 5 1/5” (132 mm) indwelling catheter, SonoPlex Needle 20G x 6” (150 mm), 20G Self Priming Catheter and FixoCath catheter fixation device</td>
<td>251285-40E</td>
<td>10</td>
</tr>
</tbody>
</table>

## E-Cath Plus

### Echogenic Catheter over Needle CNB System

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Item no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Cath Plus with 18G x 2” (51 mm) indwelling catheter, SonoPlex Needle 21G x 2 2/3” (68 mm), 20G Self Priming Catheter with 15mm extended tip and 3 lateral openings and FixoCath catheter fixation device</td>
<td>201285-41E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath Plus with 18G x 3” (75 mm) indwelling catheter, SonoPlex Needle 21G x 3 2/3” (94 mm), 20G Self Priming Catheter with 15mm extended tip and 3 lateral openings and FixoCath catheter fixation device</td>
<td>211285-41E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath Plus with 18G x 3 1/4” (83 mm) indwelling catheter, SonoPlex Needle 21G x 4” (101 mm), 20G Self Priming Catheter with 15mm extended tip and 3 lateral openings and FixoCath catheter fixation device</td>
<td>241285-41E</td>
<td>10</td>
</tr>
<tr>
<td>E-Cath Plus with 16G x 5 1/5” (132 mm) indwelling catheter, SonoPlex Needle 20G x 6” (150 mm), 20G Self Priming Catheter with 15mm extended tip and 3 lateral openings and FixoCath catheter fixation device</td>
<td>251285-41E</td>
<td>10</td>
</tr>
</tbody>
</table>

## FixoCath

### Nerve Block Catheter Fixation Device

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Item no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>FixoCath</td>
<td>001151-37Z</td>
<td>10</td>
</tr>
</tbody>
</table>