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ECHOGENIC & HYBRID NEEDLES AND CATHETERS

"The future of ultrasound guided regional anesthesia will demand needles that will enable blocks to be delivered to awake patients prior to surgery without discomfort"

- Associate professor Jens Børglum, MD, PhD,
Zealand University Hospital, University of Copenhagen, Denmark.

The only needle
you will ever need ...

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The only ultrasound needle you will ever use ...

Nowadays, the regional anesthesia under ultrasound guidance is a widely-used technique. However, even the best ultrasound equipment cannot display the best image in presence of low echogenicity needles and cannulas. The Evolution® needle guarantees an unbeatable quality of the ultrasound image.

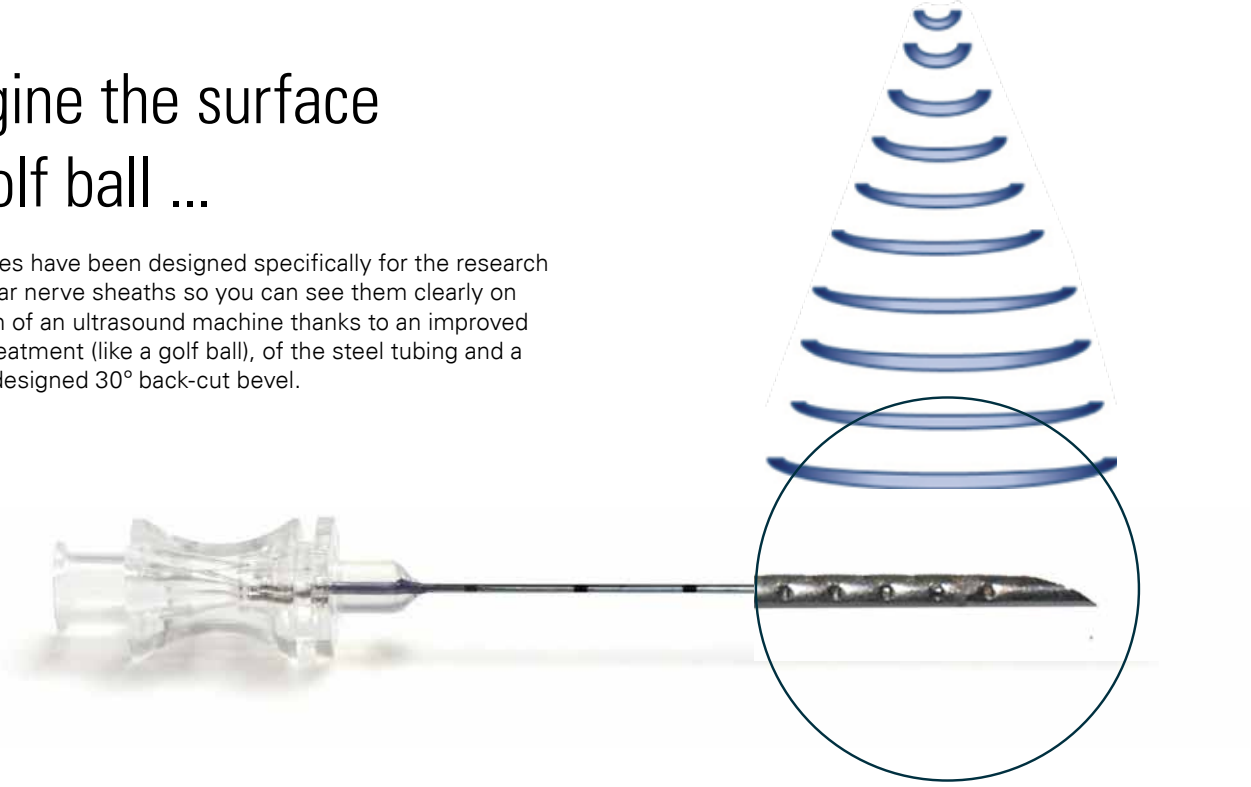
The customized "dimples", impressed on the surface on the needle significantly improves the outcome of the ultrasound image - especially at the tip of the needle - this technology tells the user the exact position of the needle tip, thus reducing the risk of nerve injury in the process.

The echogentic "dimples"reflect the soundwaves back to the transducer, making the needle clearly visible during ultrasound. The dimple features completely encircle the tip of the needle so all sides of the tip appear bright on the ultrasound image.

The unique and patented technology and surface treatment makes the needle or cannula shaped much like a golf ball, which is very atraumatic to the tissue. It also gives it an optimal surface smoothness, which improves the steering and minimizes the insertion and retraction force needed.

Imagine the surface of golf ball ...

The needles have been designed specifically for the research of muscular nerve sheaths so you can see them clearly on the screen of an ultrasound machine thanks to an improved surface treatment (like a golf ball), of the steel tubing and a specially designed 30° back-cut bevel.



Choosing the wrong needle can cause permanent damage to the nerve. With the Evolution® needle you are in total control!

You don't need to use force to penetrate due to the ingenious back-cut design, navigating the needle is easy due to the smooth surface and the patented 360° dimple design ensures that you have the optimal image at all times.

With the Evolution needle you get ...

- **Excellent penetration** due to the 30° back-cut design of the tip, yet still atraumatic to the tissue
- The 30° back-cutting angle and the unique dimple design best **reduces the risks of micro-lesions** of the nerves.
- **High and clear visibility** due to the special echogenic treatment, especially important for deeper nerve blocks.
- A needle that **does not bend** - completely made in tempered stainless steel with particular attention to the tip ensures a greater resistance to flexing and makes it easy to steer through the tissue.
- **Pre-connected Luer-Lock connection** – ready for use and easy to disassemble - no leakage
- Easy recognition of needle position thanks to the **centimetric markings**.
- A specialised high-end product developed in cooperation with **leading anaesthesiologists and ultrasound specialists**.
- An uncompromising echogentic needle that used with **SonoSites Steep Needle Profiling** will deliver perfect results every time.

»The future of ultrasound guided regional anesthesia will demand needles that will enable blocks to be delivered to awake patients prior to surgery without discomfort, for deep fascial plane blocks that penetrate the skin and muscles effortlessly, needles that are non-traumatic by design, and needles that can also be easily visualized when using low frequency curved array transducers.

This is where the quest of excellence for ultrasound guided regional anesthesia on an international scale is moving towards.«

- Associate professor Jens Børglum, MD, PhD,
Zealand University Hospital, University of Copenhagen, Denmark.

Free demo
Contact us

It is a common misconception that ultrasound needs a plane or straight surface to create effective echo signals. In fact, it just needs a single reflection point. The dimpled shape is just as effetive in creating echo signals and in addition, it's more atraumatic and minimizes the risk of damages in terms of micro-lesions to nerve tissue.

Evolution®, echogenic & hybrid needles and catheters

PRODUCT DESCRIPTION	ORDER NO.:
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 24Gx35 mm.**	USB035-24
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 22Gx50 mm.**	USB050-22
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 22Gx70 mm.**	USB070-22
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 22Gx80 mm.**	USB080-22
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 21Gx90 mm.**	USB090-21
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 21Gx100 mm.**	USB100-21
Secma echogenic needle, 10 pcs./box **Evolution®. Needle, ultrasound, 30° back-cut, 21Gx120 mm.**	USB120-21
Secma echogenic hybrid needle, 10 pcs./box **Evolution®. Needle, ultrasound, hybrid, 22Gx35 mm.**	EHB035-22
Secma echogenic hybrid needle, 10 pcs./box **Evolution®. Needle, ultrasound, hybrid, 22Gx55 mm.**	EHB055-22
Secma echogenic hybrid needle, 10 pcs./box **Evolution®. Needle, ultrasound, hybrid, 21Gx95 mm.**	EHB095-21
Secma echogenichybrid needle, 10 pcs./box **Evolution®. Needle, ultrasound, hybrid, 21Gx125 mm.**	EHB125-21
Secma echogenic hybrid needle, 10 pcs./box **Evolution®. Needle, ultrasound, hybrid, 21Gx150 mm.**	EHB150-21
Secma echogenic catheter set, 10 pcs./box **Echo PolyPlex®. Needle, catheter, ultrasound, US 50, 18Gx50**	26951-18
Secma echogenic catheter set, 10 pcs./box **Echo PolyPlex®. Needle, catheter, ultrasound, US 90, 18Gx90**	26991-18

- Advanced echogenic technology secures a high visibility
- Superior anatomical design reduces risk of micro-lesions
- No flexing and easy to steer - made completely from tempered steel
- Easy penetration due to the back-cut technology
- Advanced echogenic surface treatment
- Excellent tip visualization

dk SECMA
info@secma.dk
www.secma.dk

se SECMA
info@secma.se
www.secma.se

no SECMA
info@secma.as
www.secma.as

nl SECMA
info@secma.org
www.secma.org

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