

PAJUNK®



REGIONAL ANAESTHESIA
& PAIN MANAGEMENT

SonoMSK

Needles for
Ultrasound Guided Injections



Sharp, Echogenic MSK and Chronic Pain Injection Needle

The optimised echogenic properties of the SonoMSK allow for precise real-time tracking of the puncture and injection process and minimise the risk of intravascular injections, while improving patient outcomes.^{1,2}
 The extra sharp bevel of the SonoMSK meets the specific requirements of musculoskeletal and chronic pain injections, reducing the pain during puncture and needle placement. Combined with a more stable needle shaft SonoMSK also improves maneuverability.
 → SonoMSK is the perfect tool for all ultrasound guided musculoskeletal steroid/anaesthetic injections.



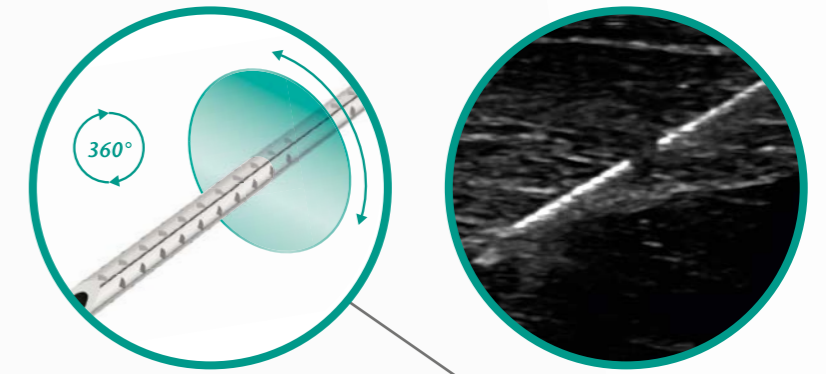
BENEFITS

Benefits of Ultrasound-Guided Injections vs Landmark Technique, Fluoroscopy or CT-Guidance

- ▶ Higher first attempt rate⁶
- ▶ Less time-consuming⁶
- ▶ Less patient discomfort⁶
- ▶ Reduced treatment costs^{6,7}
- ▶ No risk of radiation exposure for healthcare providers and patients
- ▶ Improved accuracy of needle placement resulting in better outcome^{7,8,9}

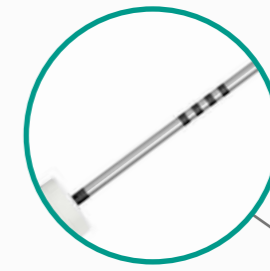
Cornerstone Reflectors

- 360 degree graduations on the first 20 mm of the needle
- Optimised ultrasound visibility of needle shaft³
- Reliable and optimised needle visualisation at any angle^{4,5}



Sharp Back Cut Bevel

- Reduced pain during puncture and needle placement
- Easier and more precise needle manoeuvrability
- Smooth gliding properties



Depth Markings

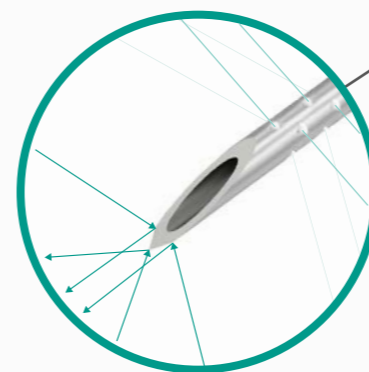
- Easy to read and identify



Highest Processing Quality

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
- Consistent feel and reliable performance



Echogenic Needle Tip

- Improved needle tip visibility under ultrasound

Pre-attached, Removable Injection Tubing

- Convenience
- Cost saving
- Detachable, for more flexibility



1. Uppal V, Sandekoppam R. V., Ganapathy S. Effect of beam steering on the visibility of echogenic and non-echogenic needles: a laboratory study. Can. J. Anesth. 2014 Oct; 61(10): 909-915
 2. Wiesmann T, Bornträger A, Zoremba M, Neff M, Wulf H, Steinfeldt T. Compound imaging technology and echogenic needle design: effects on needle visibility and tissue imaging. Reg. Anesth. Pain Med. 2013 Sep-Oct; 38(5): 452-455
 3. Fuzier R. et al. The echogenicity of nerve blockade needles. Anesth. 2015; 70: 462-466
 4. Uppal V. et al. Effect of beam steering on the visibility of echogenic and non-echogenic needles: a laboratory study. Can. J. Anesth. 2014 Oct; 61(10): 909-915
 5. Hebard S, Hocking G. Echogenic technology can improve needle visibility during ultrasound-guided regional anesthesia. Reg. Anesth. Pain Med. 2011 March-April; 36(2): 185-189
 6. Peng, P. W. H., Shankar H. Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part V: Knee Joint. Regional Anesthesia and Pain Medicine. 2014 Sept-Oct; 39 (5): 374-378
 7. Peng, P. W. H., Narouze, S. Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part I: Nonaxial Structures. Regional Anesthesia and Pain Medicine. 2009 Sept. - Oct; 34 (5): 458
 8. Peng, P. W. H., Cheng, P. Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part III: Shoulder, Regional Anesthesia and Pain Medicine. 2011 Nov-Dec; 36 (6): 597-600
 9. Peng, P. W. H. Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part IV: Hip, Regional Anesthesia and Pain Medicine. 2013 Jul-Aug; 38 (4): 271

SonoMSK

SonoMSK

with Cornerstone Reflectors,
sharp back cut bevel,
depth markings, with
pre-attached & removable
injection tubing

Size	Item no.	PU
22G x 25 mm (1")	1191-4E025	10
22G x 40 mm (1 5/8")	1191-4E040	10
22G x 70 mm (2 3/4")	1191-4E070	10
22G x 90 mm (3 1/2")	1191-4E090	10
22G x 100 mm (4")	1191-4E100	10
22G x 120 mm (4 3/4")	1191-4E120	10
22G x 150 mm (6")	1191-4E150	10

PAJUNK® GmbH Medizintechnologie
Global Headquarters
Karl-Hall-Straße 1
78187 Geisingen, Germany
Tel.: +49 7704 9291-0
Fax: +49 7704 9291-600
info@pajunk.com
pajunk.com

PAJUNK® Medical Produkte GmbH
Central Europe
Karl-Hall-Straße 1
78187 Geisingen, Germany
Tel.: +49 7704 8008-0
Fax: +49 7704 8008-150
info@pajunk-medipro.com
pajunk.com

PAJUNK® Medical System L.P.
United States of America
6611 Bay Circle, Suite 140
Norcross, GA 30071, USA
Tel.: +1 770.493.6832
Fax: +1 678.514.3388
info@pajunk-usa.com
pajunkusa.com

PAJUNK® UK Medical Products Ltd
United Kingdom
Unit C1 The Waterfront
Goldcrest Way, Newburn Riverside
Newcastle upon Tyne, NE15 8 NY, UK
Tel.: +44 191 264 7333
info@pajunk.co.uk
pajunk.co.uk