Chiba/ChibaSono
Cannulas for interventional biopsy

Organ biopsy
The manufacture of cannulas systems for biopsy has been the core competence of PAJUNK® for more than 45 years. Together with doctors from different fields, PAJUNK® develops sophisticated solutions for fine-cannula biopsy, cutting and punch biopsy, bone marrow biopsy, brachytherapy and localisation needles. The wide range of products is unique with over 100 varieties of tip that are based on the profound development expertise and the sophisticated grinding and polishing technology of the company.

PAJUNK® supports percutaneous fine-cannula biopsy with various designs of Chiba puncture cannulas:

**ChibaSono** NEW
*The biopsy cannula visible under ultrasound monitoring*

with graduation and “Cornerstone” reflectors
Chiba with US tip

Chiba with bevelled tip

Chiba set by Dr Steinhoff
**ChibaSono**

**The revolutionary biopsy cannula with “Cornerstone” reflectors**

The use of ultrasound for puncture in biopsies is gaining importance. ChibaSono is a new generation of cannulas developed by PAJUNK® together with Dr Chris Mitchell that allows for purposeful localisation under ultrasound as a result of its innovative composition. The configuration and tip architecture has been designed so that the user can concentrate on the cannula tip during the entire biopsy. Thanks to the “Cornerstone” reflectors that are attached to the distal end of the cannula shaft, the cannula tip can be clearly identified at any time.

**Field of application:**
- percutaneous cholangiography
- cytological biopsy
- prenatal puncture
- general percutaneous applications

**The essential features at a glance:**
- optimum ultrasonic visibility thanks to “Cornerstone” reflectors
- high-precision cannula tip
- perfect antifriction properties

**Guaranteed cannula tip visibility**
The distal end of the ChibaSono cannula has two embossed sections of 10 mm length each.
- That makes the cannula tips perfectly visible over a total length of 20 mm and permits clear identification.

**Visibility independent of the puncture angle**
The nature of the “Cornerstone” reflectors guarantees ideal reflection behaviour, independent of the puncture angle.
- That ensures safe use – without restrictions.
Sophisticated layout
Each cannula segment is fitted all-around with “Cornerstone” reflectors that are offset 60°.
⇒ Perfect cannula identification is guaranteed in every position.

Perfect antifriction properties
special tip geometry
⇒ excellent antifriction properties in all tissue layers
Chiba cannulas with US or bevelled tip

Alternative tip geometries

The Chiba universal puncture cannula is optionally available with an ultrasound tip (US) or bevelled tip. Thank to their extensive range of sizes, they are the ideal puncture cannulas for percutaneous cholangiography, cytological biopsy, prenatal puncture and general percutaneous applications. Both cannulas are provided with scale rings each at a distance of 1 cm for improved depth control.

Field of application:
- percutaneous cholangiography
- cytological biopsy
- prenatal puncture
- general percutaneous applications

The essential features at a glance:
- high precision cannula tip
- supports ultrasound technology
- patient and user safety as a result of depth control

Chiba cannula optionally with US tip or bevelled tip

Retaining clip
- fixation of stylet and cannula

Colour coded pushbutton
- quick identification of the cannula diameter

Transparent plastic hub
- The free flow of the liquid can be detected early on.

Removable plate handle
- Enables optimum handling for different grip methods and a sensitive transfer of puncture resistance.
Chiba with US tip

This puncture cannula with its characteristic tip geometry supports ultrasound technology thanks to dual reflection. The bluntly rounded obturator of this cannula is set back 2 cm from the tip.

Chiba with bevelled tip

The stylet and cannula are ground so that they are exactly flush resulting in an increase in cannula stability. A depth stop is attached to the cannula shaft for the graduated puncture cannulas for protection as standard.

Depth stop

- Chiba cannula with bevelled tip is optionally available with an adjustable depth stop.

Depth graduation

- Graduation of the cannula in 1 cm steps for easy determination of the puncture depth

US tip

- Extremely sharp cannula tip
- Cannula visibility thanks to dual reflection

Bevelled tip and flush ground stylet

- Improved feedback of tissue penetration
- Increased stability of cannula
- Prevents displacement of tissue in the puncture region
Chiba set by Dr Steinhoff

Applications with contrast medium

The puncture set by Dr Steinhoff includes a Chiba type puncture cannula with bevelled tip and is fitted with a flexible injecting tube for the application of contrast medium. This cannula is provided with scale rings each at a distance of 1 cm for improved depth control. The inner and outer cannulas are ground so that they are exactly flush resulting in an increase in cannula stability. A depth stop is attached to the cannula shaft for the graduated puncture cannula for protection as standard.

Field of application:

- application of contrast medium

The essential features at a glance:

- pressure resistant, flexible tube
- graduated puncture cannula
- sharp tip of cannula

Transparent plastic hub

- The free flow of the liquid can be detected early on.
Depth graduation
- graduation of the cannula in 1 cm steps for easy determination of the puncture depth

Depth stop
- Chiba cannulas with a bevelled tip are available with an adjustable depth stop.

Pressure resistant, flexible injecting tube
- application of contrast medium

Bevelled tip and flush ground stylet
- improved feedback of tissue penetration
- increased stability of cannula
- prevents displacement of tissue in the puncture region
Chiba range of cannulas

The systems at a glance

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Chiba with US tip

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Chiba with bevelled tip

Chiba cannula with bevelled tip without depth stop and graduation

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Chiba cannula with bevelled tip, depth stop and graduation

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Chiba set by Dr Steinhoff

Chiba cannula with bevelled tip, depth stop and injecting tube

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