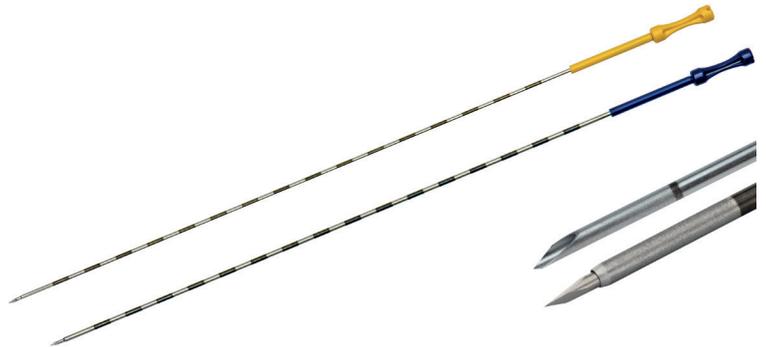


Needles for LDR Brachytherapy

High Quality Consumables for Prostate Seed Implantation

Needles for LDR Brachytherapy

Pre-loading and post-loading of stranded and loose seeds, prostate targeting, access, and fixation.



Particularly sharpened, echo-enhanced needle tips for easy insertion and reliable visibility under ultrasound.

IsoCord® Needles

IsoCord® Needles are steerable thanks to their bevel shaped tip, which is aligned with a blue marking on the top of the needle hub, thus allowing precise needle guidance. The stylet features clearly visible 0.5 cm markings for seed quantity indication and numerically ordered centimeter markings on the outer cannula permit determination of penetration depth at one glance. IsoCord® Needles are loaded quickly with the unique Needle Loading Station, which allows easy strand cutting under maximum radiation protection.

Post-Loading Needles

Post-Loading Needles come with two stylets, one for insertion and one for implantation. The insertion stylet is positioned in the notch of the needle hub during needle placement, forming an integrated cutting surface with the bevel shaped tip of the outer cannula. The specially cone-shaped needle hub easily accommodates post-loading transfer tubes. The centimeter markings on the outer cannula allow precise orientation regarding depth placement of the needle.

Applicator Needles

The slim hub design favors the implantation of loose seeds with the Mick® TP/TPV Applicator. The trocar tip stylet avoids needle deflection. 0.5 cm markings on the outer cannula support orientation whilst pulling back the Mick® TP/TPV Applicator during seed placement. 17 and 18G needles are available.

Two Types of Fixation Needles

The three hooks of the Pajunk Delta-Fix Fixation Needle are extended after puncturing the prostate, stabilizing it in the desired position. An adjustable locking spring, positioned directly at the needle template, prevents movement of the prostate. Prostate Stabilization Needles come in a set of two and deploy a side barb out of a side eyelet, which is located 2.0 cm proximal to the needle point and aligned with the point of the tear drop shaped stylet cap. The side barb deploys once the stylet cap is pulled back. Prostate immobilization is achieved by securing the locking spring against the proximal side of the needle template.

Hawkins Blunt Needle Access System

This needle provides a lightweight method of targeting. It comes with two stylets. The sharp one is equipped with a pencil point for easy insertion and positioning of the needle. The blunt one is used for atraumatic approach to the target structure and avoids damage at the prostate/bladder interface. The adjustable locking spring localizes the outer cannula to the target and prevents forward migration, while the numerically ordered centimeter markings on the outer cannula facilitate precise depth placement. Using Hawkins Blunt Needles, it is easy to locate and identify the reference plane during prostate seed implant procedures.

Needles for LDR Brachytherapy

Needles for IsoCord® and IsoStrand® Implantation

Ordering number	Needle	Application technique
1171-0430	IsoCord® Needle 18G x 20 cm	Pre-Loading
 <p>Bevel shaped, echogenic needle tip with length markings on outer cannula and blue hub marking for needle steering.</p>		
1171-0433	Post-Loading Needle 18G x 20 cm, siliconized	Post-Loading
 <p>Bevel shaped implantation stylet forming an integrated cutting surface with the outer cannula and stylet positioned in the needle hub.</p>		

Needles for IsoCord® and IsoStrand® Implantation, pre-waxed

Ordering number	Needle	Application technique
1171-0107	Brachytherapy Needle 18G x 20 cm, pre-waxed ¹	Pre-Loading
 <p>Bevel shaped, echogenic pre-waxed needle tip with length markings on the silicone coated cannula and a blue hub marking for needle steering.</p>		
1171-0115	Brachytherapy Needle 18G x 20 cm, pre-waxed ²	Pre-Loading
 <p>Bevel shaped, echogenic pre-waxed needle tip with length markings on the silicone coated cannula and a blue hub marking for needle steering.</p>		

Needles for Prostate Fixation, Targeting and Access

Ordering number	Needle
1171-0102	Pajunk Delta-Fix Fixation Needle 18G x 15 cm, 1 unit ³
 <p>Three hooks are extended after puncturing the prostate. Markings on the outer cannula allow precise depth placement.</p>	
000.316	Prostate Stabilization Needles 18G x 20 cm, 2 units ⁴
 <p>Side barb deploying out of the side eyelet.</p>	
1171-0131	Hawkins Blunt Needle Access System 18G x 20 cm ⁴
 <p>The outer cannula with echogenic tip accommodates most biopsy instruments as well as a blunt and a pencil point stylet.</p>	

Needles for IsoSeed® Implantation

Ordering number	Needle	Application technique
1171-0110	Applicator Needle 17G x 20 cm ¹	Post-Loading
		
1171-0111	Applicator Needle 18G x 20 cm ¹	Post-Loading
 <p>Echogenic needle tip with trocar tip stylet and 0.5 cm markings on the outer cannula.</p>		

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