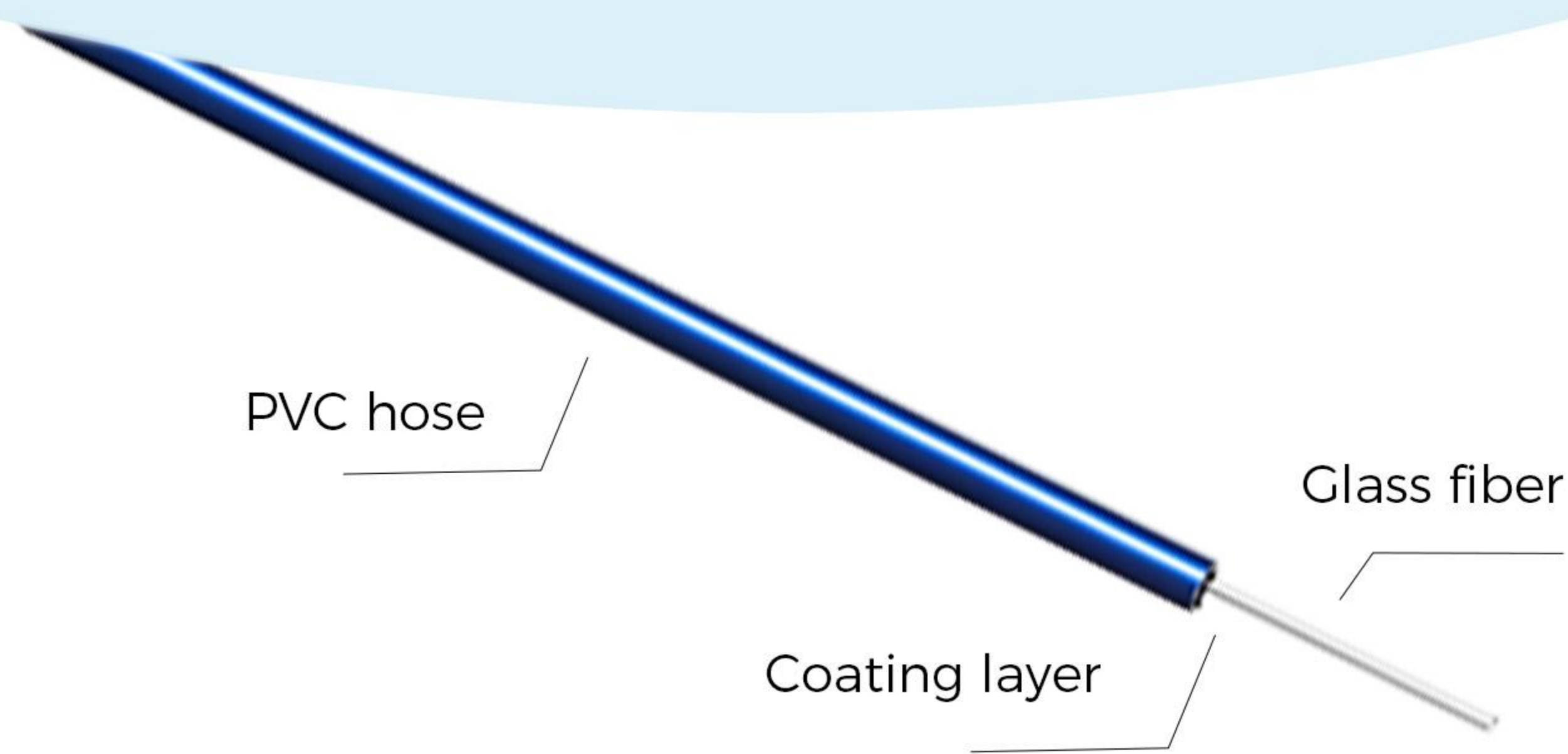


# BARE FIBER

A reliable and versatile tool



- **The Bare Fiber** is available in several different product variations to perfectly meet a wide variety of requirements and applications. There are different materials and geometries to choose from: from thin and extremely flexible to rigid and durable.
- By catering to a patient's anatomy on a case-dependent basis, access to the treatment site can be improved and the laser's energy can be transmitted most efficiently.



## PROCTOLOGY

Bare fiber tip is used for delivering laser energy for obliterating haemorrhoidal nodes from inside out and preserve mucosa and sphinctor structures

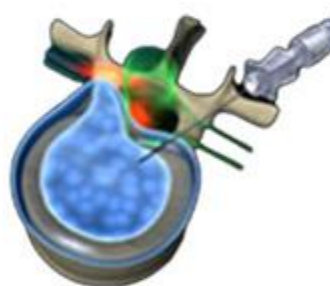


## TTTS LASER SURGERY

**Precivein bare fiber 600mic** can be safely used for performing laser surgery in twin-to-twin transfusion syndrome (TTTS) thereby significantly improving survival rates and neurologic outcome compared to amniodrainage.

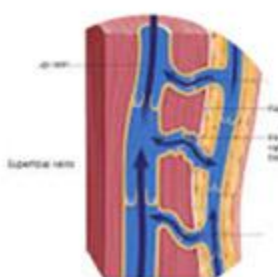
## PLDD

**Precivein bare fiber 600mic/ 400 micr** is utilised for Percutaneous laser disc decompression (PLDD) in which herniated intervertebral discs are treated by reduction of intradiscal pressure through laserenergy. A needle is inserted into the affected area of the intervertebral disc and laser fiber is injected through it to burn the nucleus pulposus with a laser



## PERFORATOR VEIN INCOMPETENCE

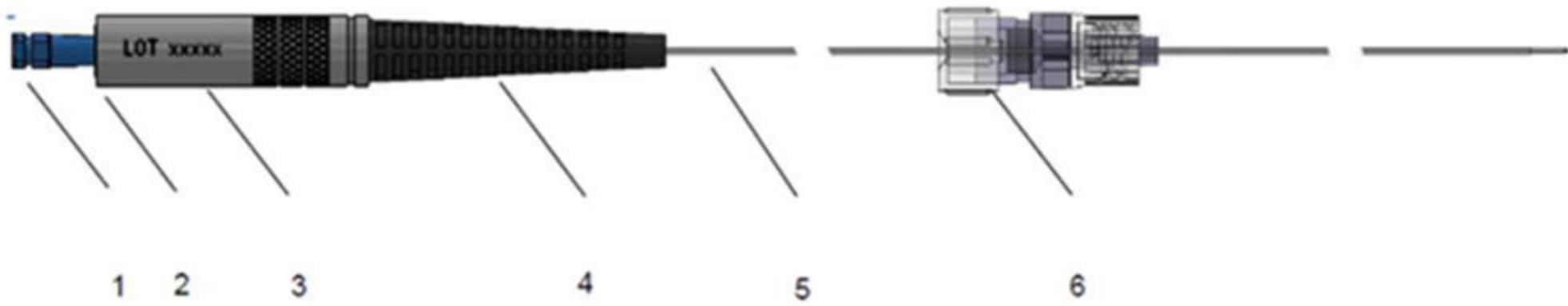
Perforator vein insufficiency can result in pain, skin changes, and skin ulcers, and often merit intervention. Precivein 400  $\mu$  bare fiber is indicated for minimally invasive treatment of incompetence and reflux of superficial veins in the lower extremity



To improve in-coupling of the laser beam into a **thin and flexible optical fiber**, Tapered Bare Fibers can be manufactured. The connector of such tapered fibers has a larger fiber diameter than the diameter at the distal end. This design makes it possible to couple high-power lasers into the optical fiber safely. The large fiber is tapered down to the target diameter, which is smaller and more flexible so that it is able to reach a remote treatment site

The Bare Fiber is available in several different product variations to perfectly meet a wide variety of requirements and applications. There are different materials and geometries to choose from: from thin and extremely flexible to rigid and durable

- Fiber core diameter ranges typically from **200  $\mu$ m to 1000  $\mu$ m**
- Connector with **SMA 905** standard or free standing ferrule
- High-transmission efficiency for all common medical wavelengths: **532 nm, 810 nm, 980 nm, 1470 nm, 1064 nm 1940 nm to 2100 nm**
- Double-packed in sterile pouches



Precivein surgical laser bare fiber is a optical fiber type compatible with **905 SMA** connector designed to direct laser energy at soft tissue during contact and non-contact minimal invasive surgical procedures in the field of general surgery, EVLT and neurology. The laser fibers come in two diameters 600 micron and 400 micron. They are sterilized, sterile double or single packed instruments

## DEVICE FEATURES

Length: 3m  $\pm$  0.2m

Connector: SMA 905 Standard

Distal end: Tapered fiber tip with domed capillary

Other features: Extension sleeve engraved with lot number

## OPTICAL

NA: 0.22/0.37

Core:  $\varnothing$  400 $\mu$ m  $\pm$  10  $\mu$ m

Clad:  $\varnothing$  430 $\mu$ m  $\pm$  8 $\mu$ m

Buffer:  $\varnothing$  730 $\mu$ m  $\pm$  35 $\mu$ m

Buffer material: ETFE

NA: 0.22/0.37

Core:  $\varnothing$  600 $\mu$ m  $\pm$  10  $\mu$ m

Clad:  $\varnothing$  660 $\mu$ m  $\pm$  8 $\mu$ m

Buffer:  $\varnothing$  950 $\mu$ m  $\pm$  35 $\mu$ m

Buffer material: ETFE