归创医疗
ZYLOX MEDICAL

ZYLOX Vascular Suture System

Product Overview

Intended Use: To deliver a single polypropylene monofilament suture to close a femoral artery puncture site following diagnostic/therapeutic cannulation.

Indications: For use in patients undergoing interventional catheterization or treatment using sheaths 5F through 22F for post-procedural percutaneous delivery of sutures to close the common femoral artery puncture site. For sheath sizes greater than 8F, a minimum of two suture instruments are required, along with a pre-tied suture technique.

Advantages: Compared with traditional compression hemostasis, it greatly shortens the postoperative hemostasis time and the patient's bed rest time, has fewer complications, is easy to operate, and has reliable hemostatic effect.

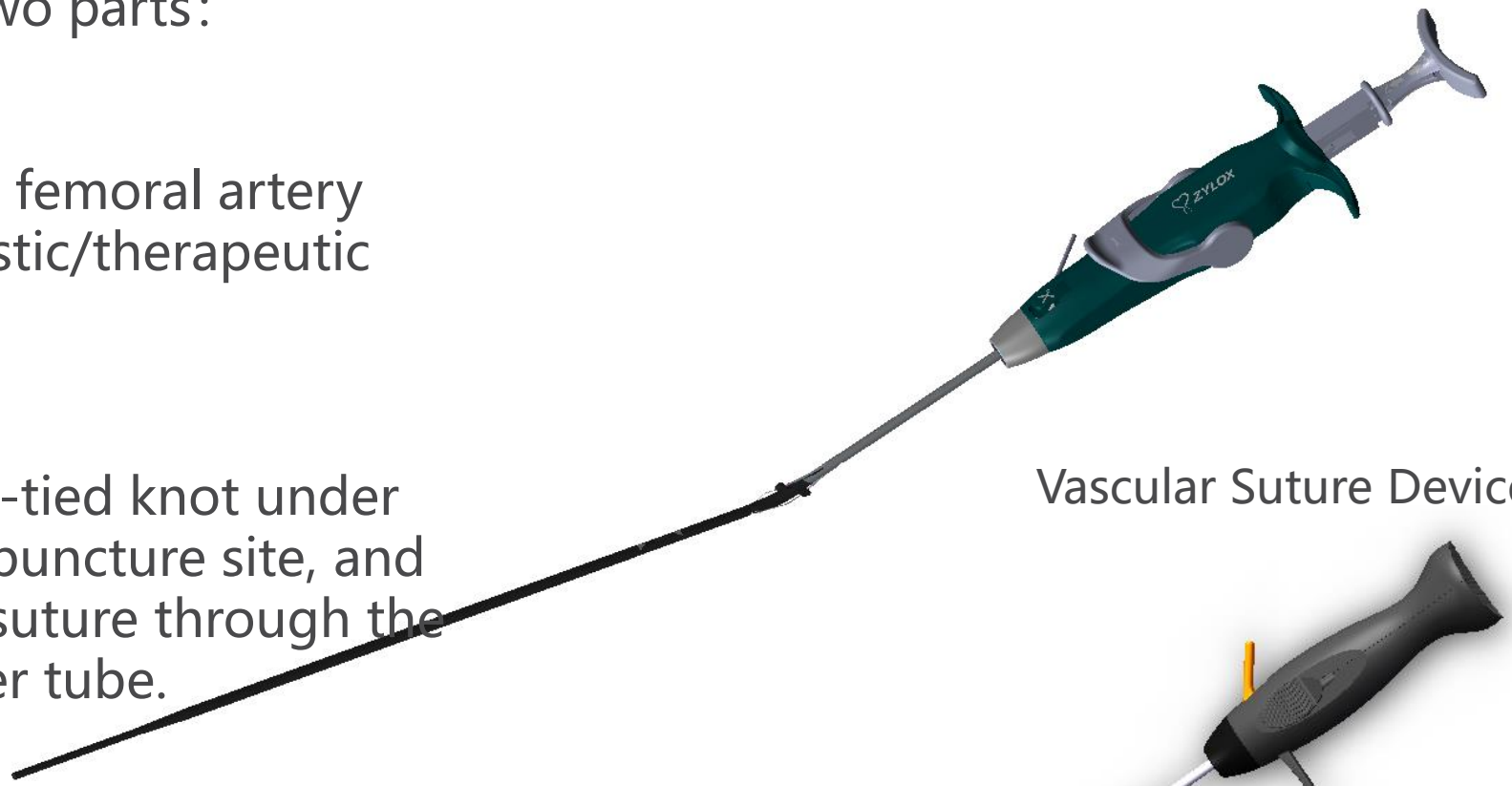
Components

The system consists of two parts：

I. Vascular Suture Device
Perforating suture of the femoral artery vasculature after diagnostic/therapeutic cannulation.

II. Knot trimming device

- Push and lock the pre-tied knot under the skin tissue at the puncture site, and finally cut the excess suture through the built-in thread trimmer tube.



Vascular Suture Device

Knot trimming device

Vascular Suture Device Components

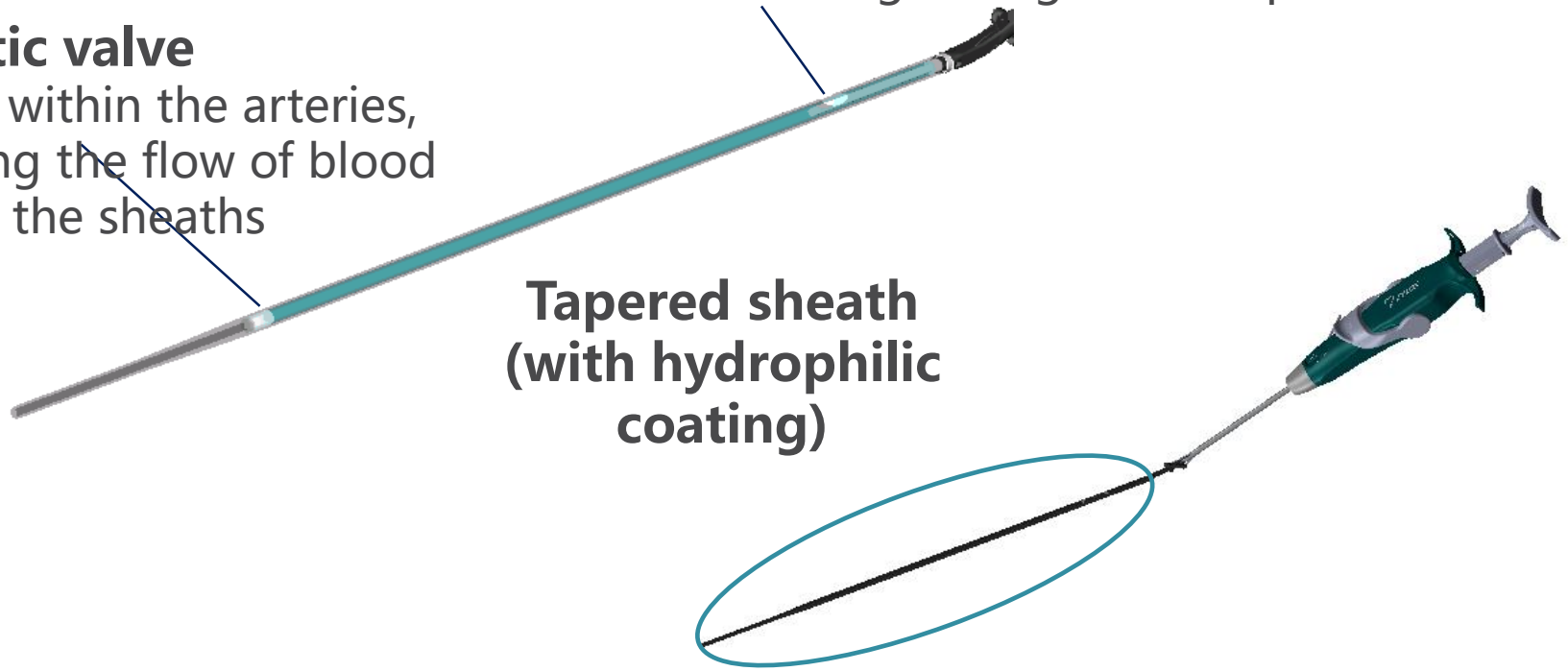
I. Distal catheters

Guide wire exchange port

- Guide the wire in and out of the sheath through the guidewire port

hemostatic valve

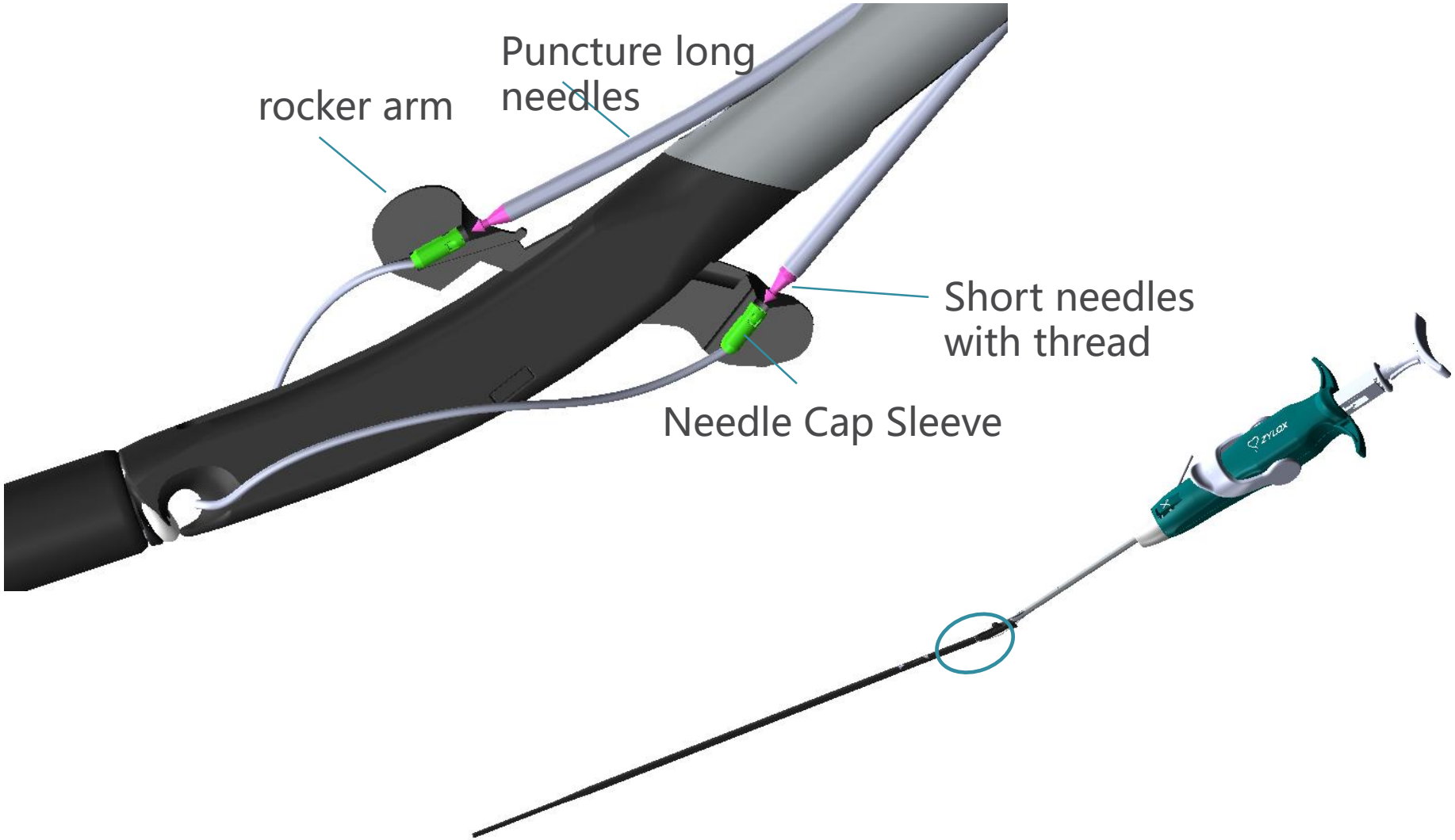
- Sheaths within the arteries, restricting the flow of blood through the sheaths



Tapered sheath (with hydrophilic coating)

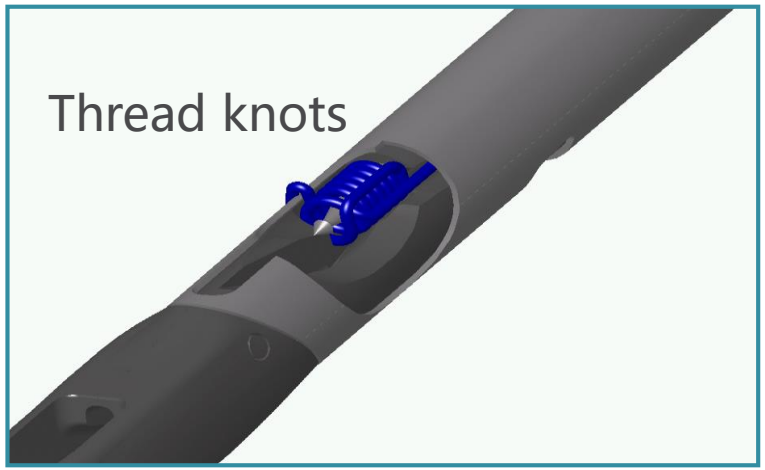
Vascular Suture Device Components

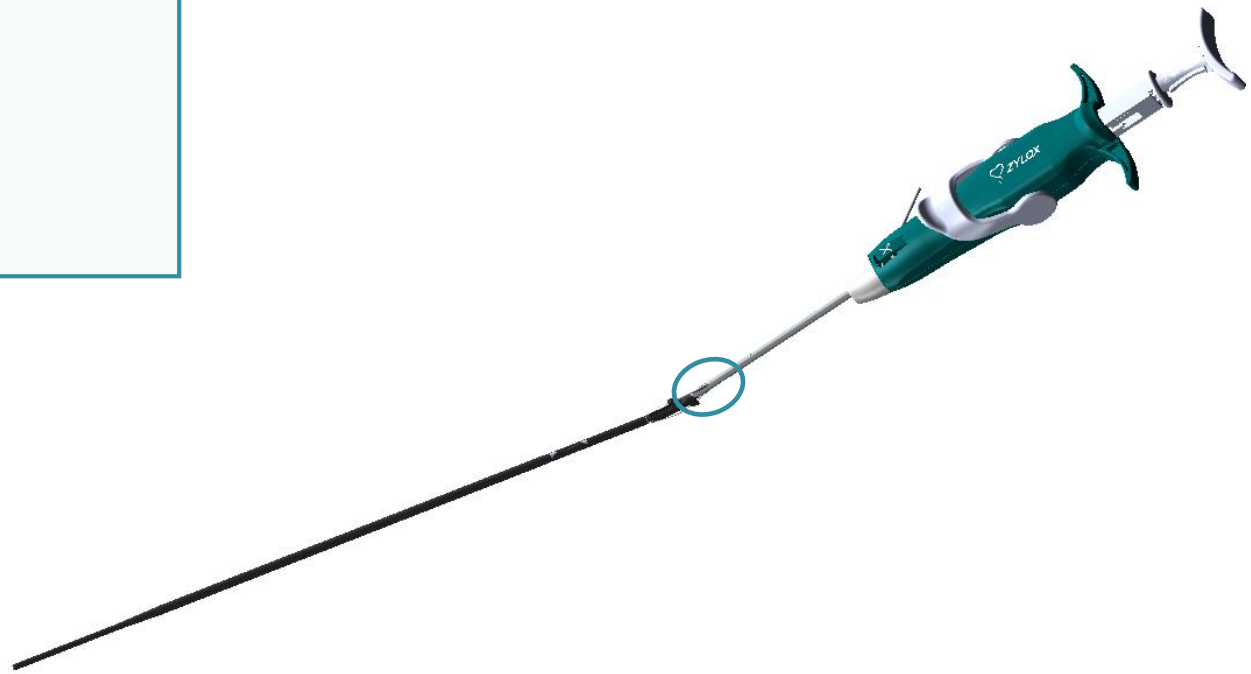
II. Docking devices



Vascular Suture Device Components

III. Thread knots



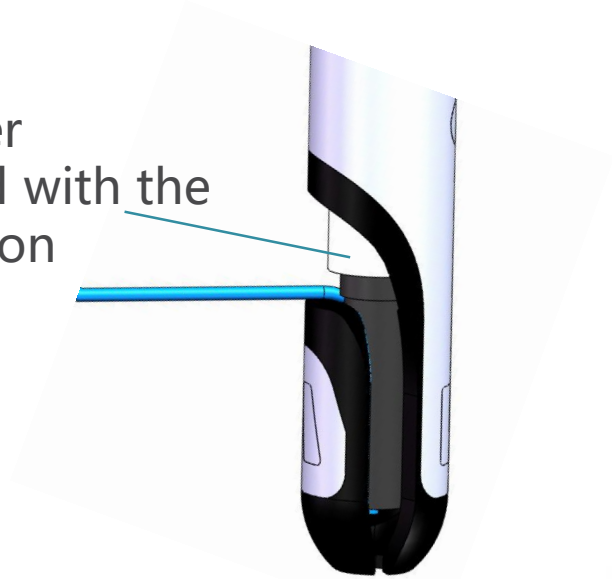


Vascular Suture Device Components

IV. Outer shell

Knot trimming device

Thread cutter
- Cutting the thread with the yellow button



Suture thread cut button

Outer shell

Hooking Tubes
- Hooks the suture to keep the suture coaxial with the instrument

Pre-tied Suture

For sheath sizes greater than 8F, a minimum of two suture instruments are required, along with a pre-tied suture technique in which the suture is placed at the puncture site at the beginning of the procedure and the knot can be continuously advanced until the procedure is complete.

Double device deployment

First

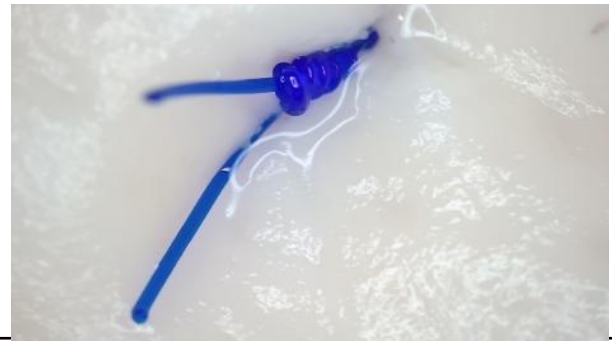
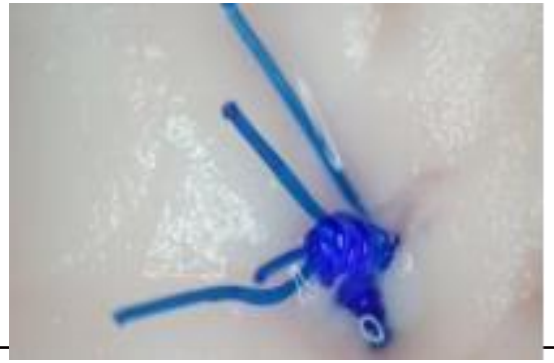
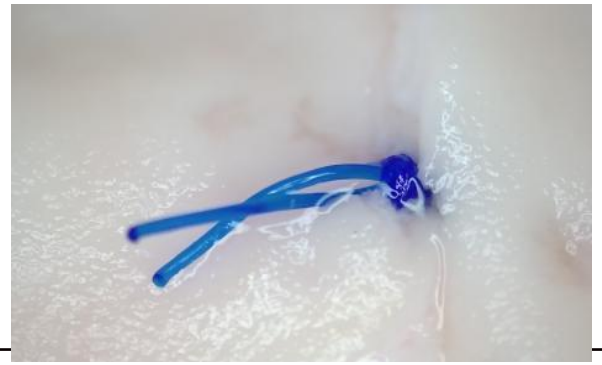
Second

Rotate 30° to the patient's right side

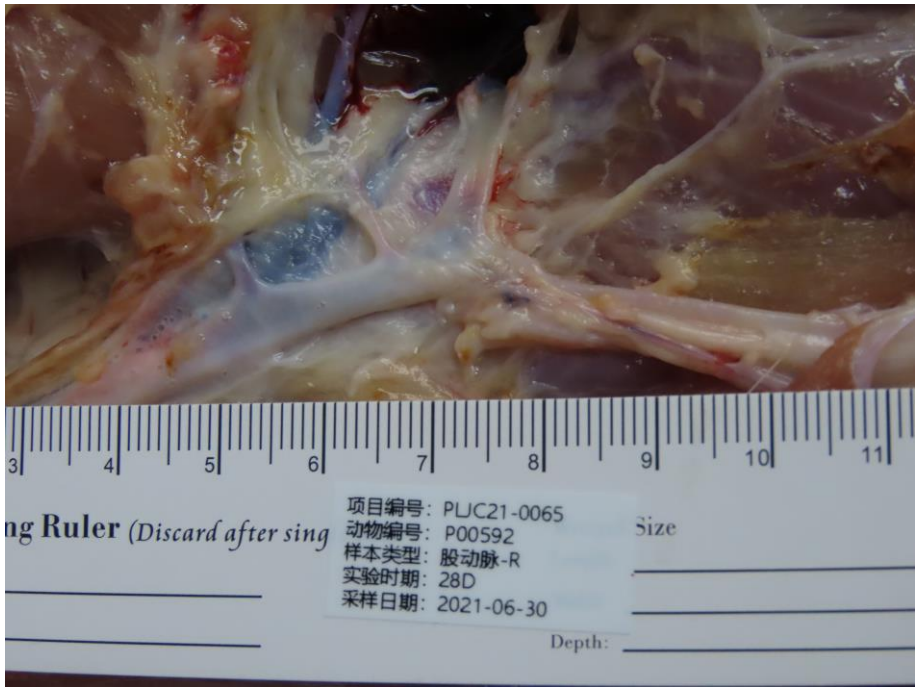
Multiple device deployment (optional)

12 o'clock.

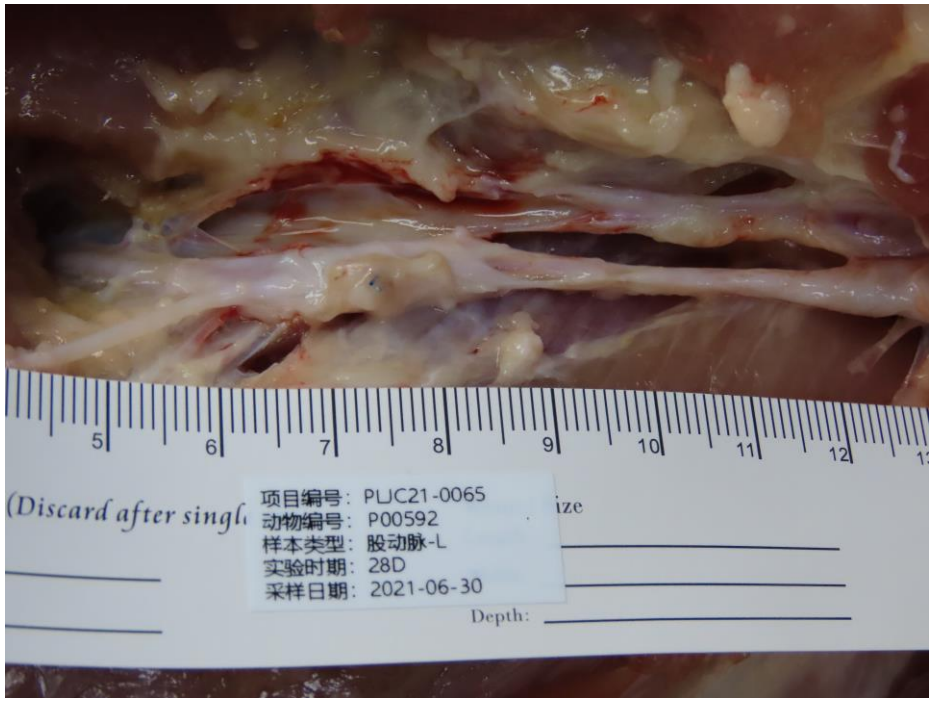
Anatomical images

	Single device deployment	Double device deployment
Zylox Suture (test group)		
ProGlide Suture System (Control Group))		

Anatomical images



Zylox Suture
(test group)



ProGlide Suture System
(Control Group)

The anatomical results show that both the test and control groups were able to suture the puncture opening with comparable results and no abnormalities were seen around the suture.

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THANKS