

Medtronic

Superior performance from many angles^{1,†}



**Step-by-Step
technique guide**
for ReliaTack™
articulating
reloadable
fixation device

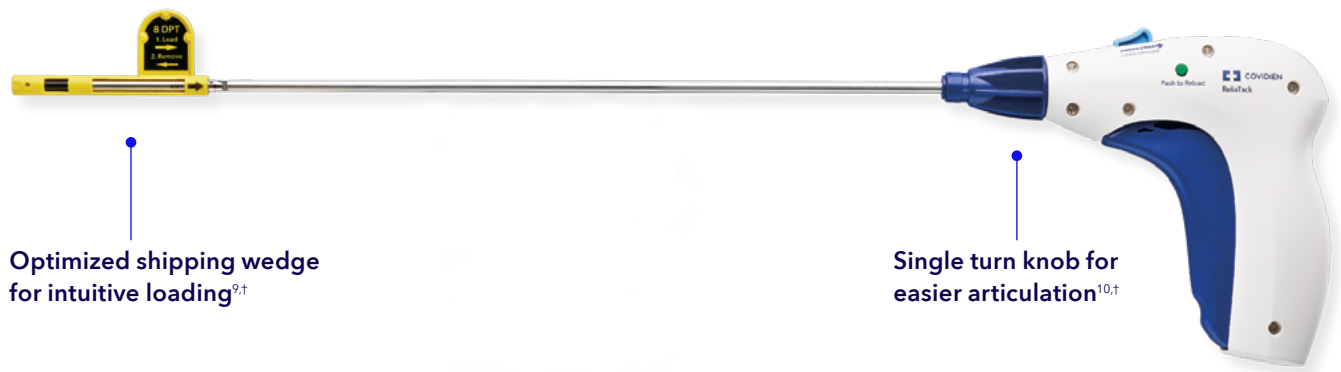


Deep purchase tack

Standard purchase tack

[†] Compared to absorbable and permanent fixation devices commercially available, which include SecureStrap™* device, SorbaFix™* device, OptiFix™* device, Capsure™* device, ProTack™ device and ReliaTack™ device with Standard Purchase Tacks when the shaft is angled at 30°, 45°, 65° and 90°. ReliaTack™ Deep Purchase Tack shear pull test performed in synthetic foam. Results may not correlate to performance in animal or cadaveric tissue, or performance in humans.

ReliaTack™ SPT and DPT overview



ReliaTack™ device with standard purchase tacks



ReliaTack™ device with deep purchase tacks



† Compared to the first generation ReliaTack™ device.

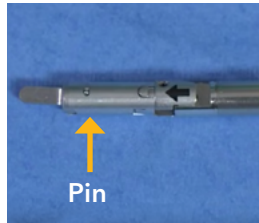
Technique guide – step-by-step guide

Loading

Before loading, the ReliaTack™ device must be in reload mode, with the red toggle button exposed.



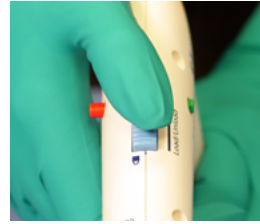
1
Ensure that the device is in the straight, unarticulated position.



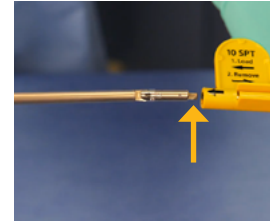
2
Pin must be in the vertical position. If not vertical, push the red fire button, cycle the device until the pin is vertical, and push the green load button once vertical.



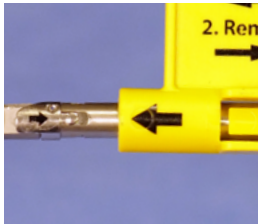
3
Remove the reload from the blister by grabbing the distal end of the reload and lifting up.
Important: Do not grab the shipping wedge.



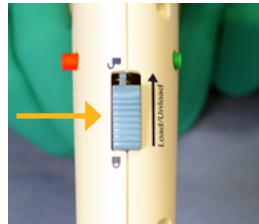
4
Pull and hold the blue lock switch button in the back position.



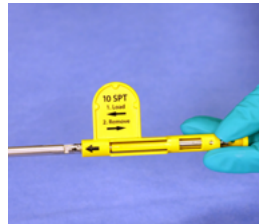
5
Hold the blue lock switch button and insert the pin located at the distal end of the shaft into the reload.



6
Ensure that the arrow on the shaft aligns with the shipping wedge arrow. Push the reload onto the distal end of the shaft until the two arrows meet.



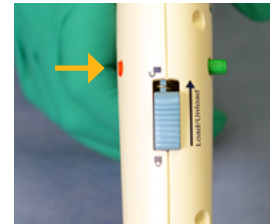
7
Release the blue lock switch button, allowing it to return to the forward position.



8
Gently pull on the reload to confirm that the device is loaded.

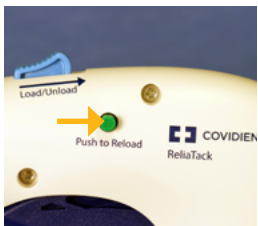


9
Remove the shipping wedge once the reload is properly locked and loaded.



10
Push the red fire button and hand the device to the surgeon.

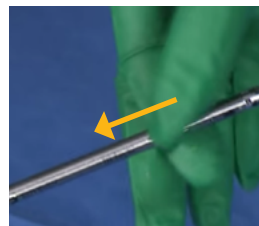
Unloading



1
Push the green load button to expose the red portion of the toggle button.



2
Pull and hold the blue lock switch button in the back position.

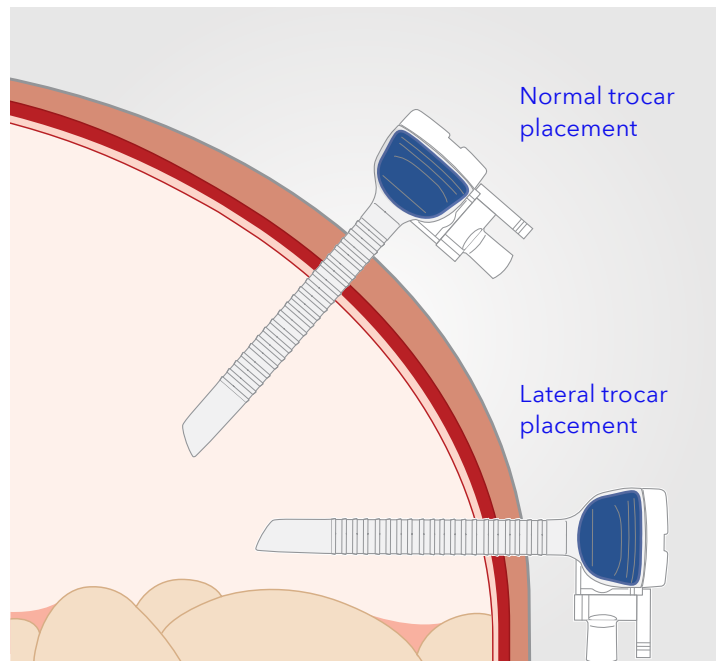


3
Pull the reload off of the shaft of the device and discard.
Warning: Do not reuse.

Technique guide – access and articulation

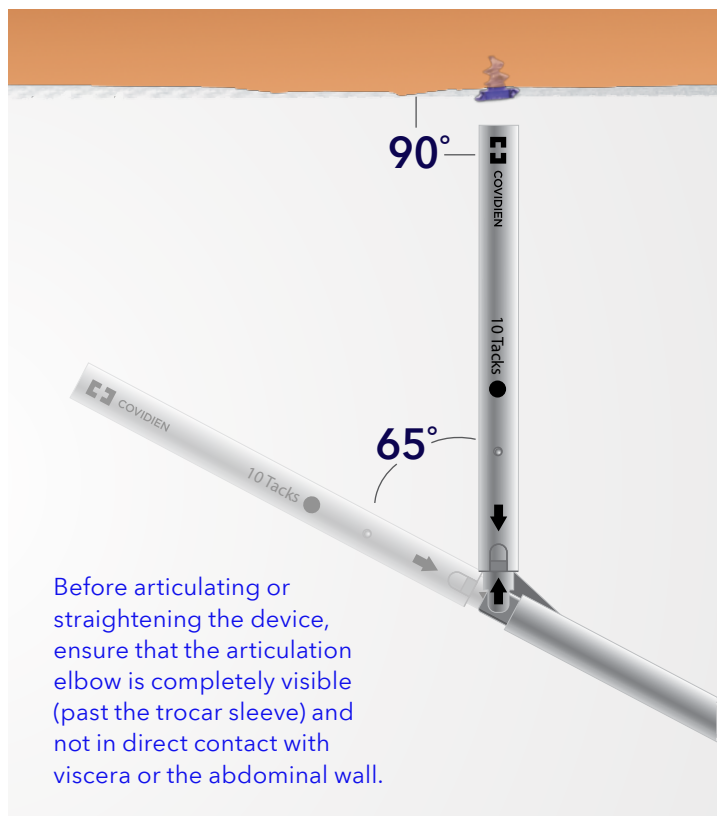
Access

When using the ReliaTack™ device, place trocars 1 to 1.5 cm more lateral than normal. Lateral trocar placement and 65 degrees of articulation may allow you to fixate the entire mesh from the same side of the patient – and potentially eliminate contralateral ports.²



Articulation

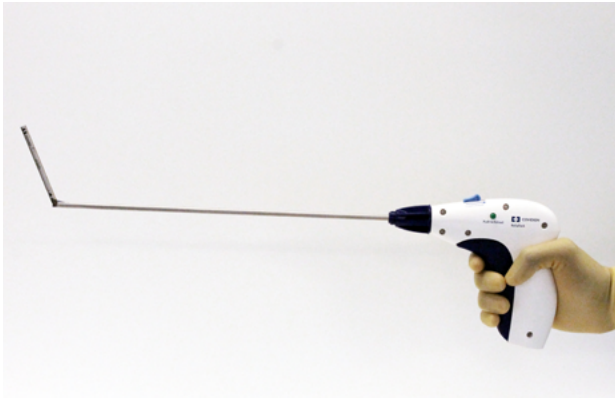
For maximum fixation strength, always articulate the device to 65 degrees to ensure that tacks are fired perpendicular to the mesh.¹ When articulating to 65 degrees or straightening to zero degrees, stop rotating the articulation knob when you feel resistance in the knob.



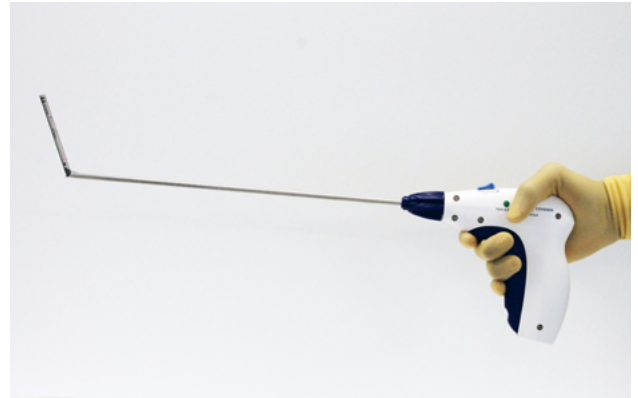
Technique guide – handle grip and positioning

The ReliaTack™ device has an ergonomic handle. It allows you to fire the device comfortably from two positions – the traditional pistol-grip position or the modified pistol-grip position.⁶

Pistol-grip hand position



Modified pistol-grip hand position



Always fire the device with the handle in the upright, neutral position. This will allow you to fire tacks perpendicular to the mesh and tissue.

Neutral position



Side-facing position



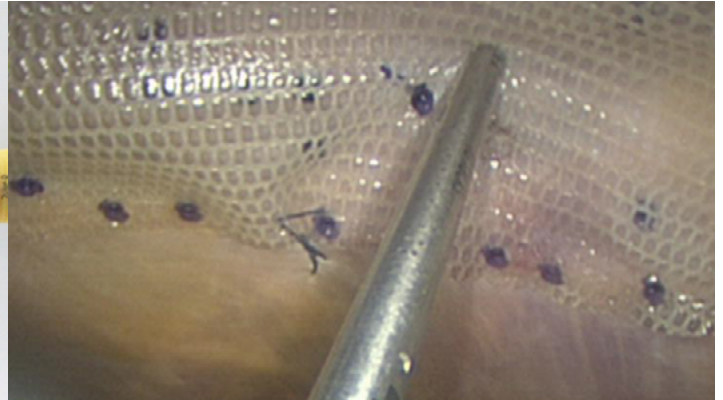
Technique guide – counter pressure and firing

You may use the following sequence – touch, drop, fire – to achieve the best results with the ReliaTack™ device:

Step 1: Touch



External view



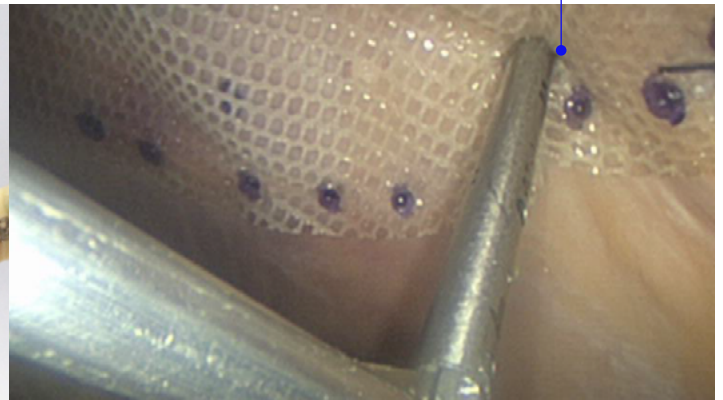
Internal view

Position the distal tip of the device against the mesh where you want to place a tack.

Step 2: Drop



External view



Internal view

Apply gentle downward pressure to the handle. Notice a slight indentation in the mesh.

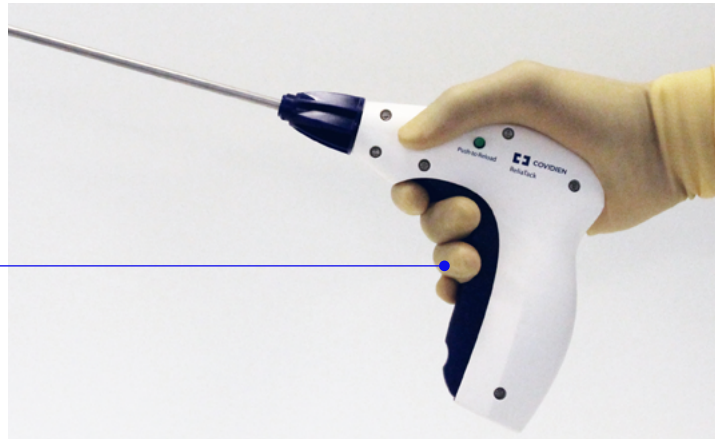
Moderate external counter pressure is needed for adequate tack deployment in an articulated position.

Technique guide – counter pressure and firing

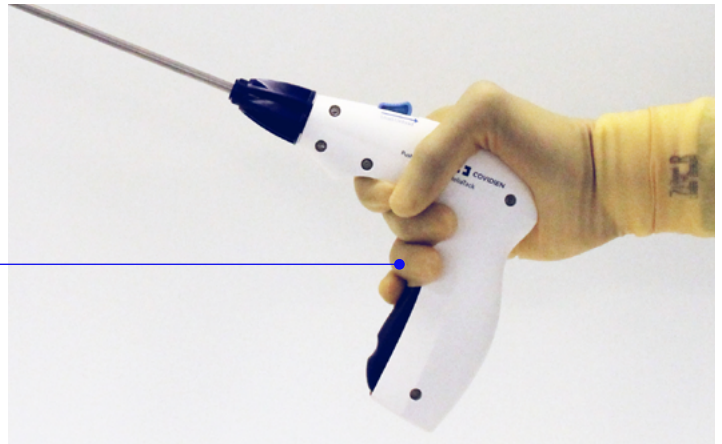
Step 3: Fire

Give the device a controlled, complete squeeze to deploy the tack. You will hear a distinct click when the tack has been successfully deployed.

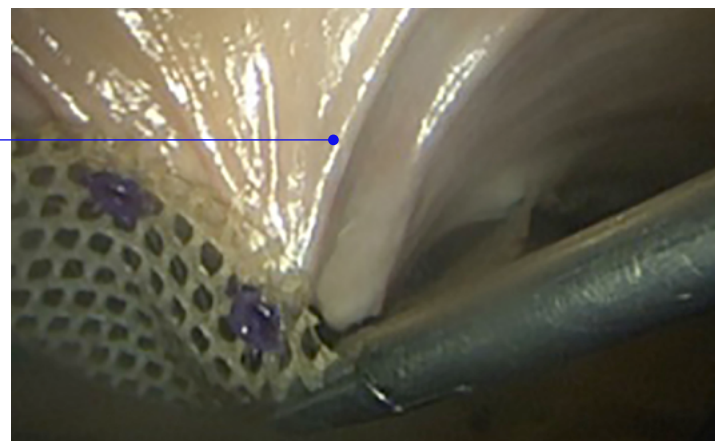
Trigger is partially compressed.
Firing sequence is not completed.



Trigger is completely compressed.
Firing sequence is completed.



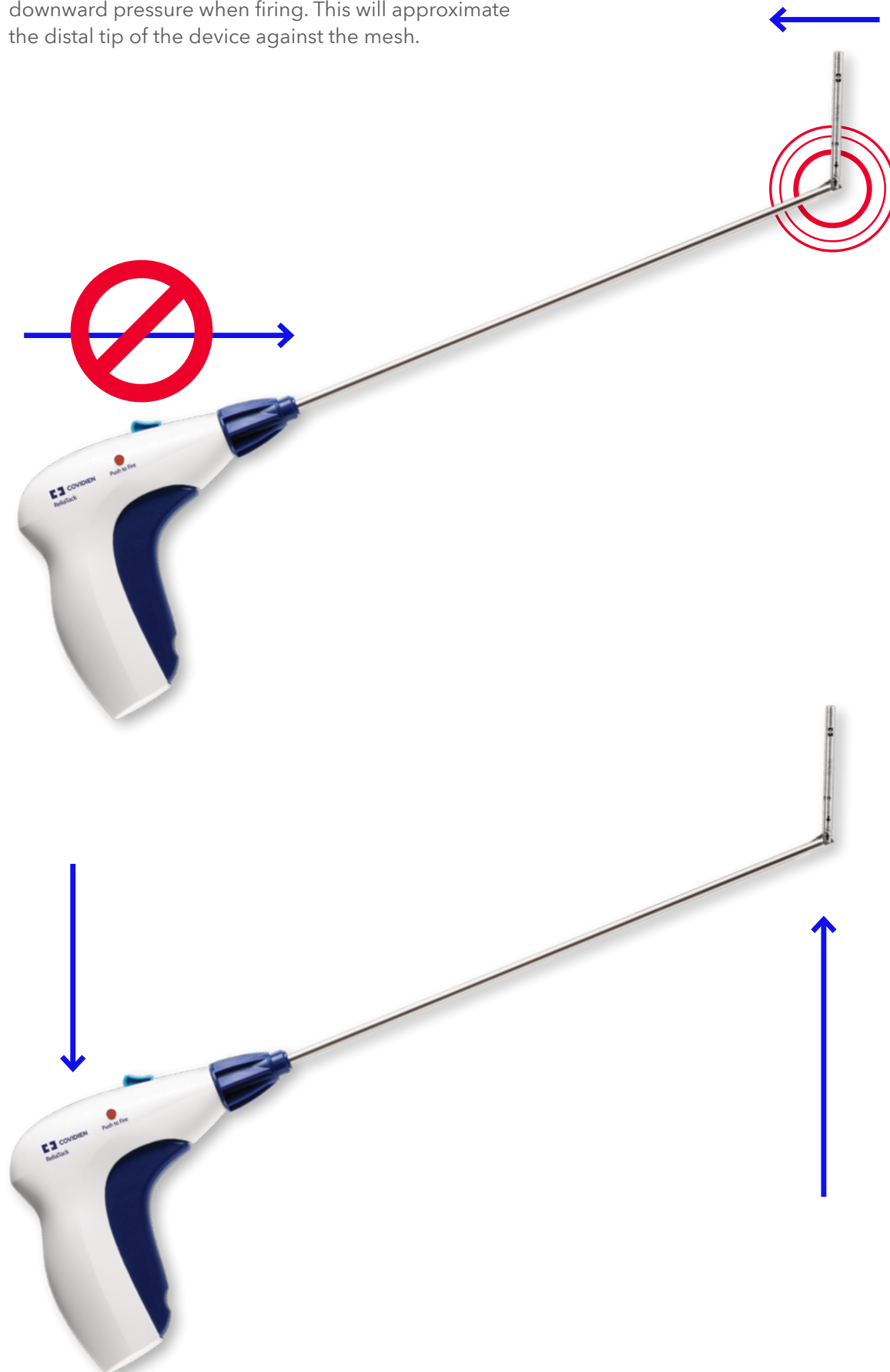
Articulation and screw-like tacks allow for strong fixation. In this photo, you can see the tension on the peritoneum as the tacks and mesh are pulled away from the abdominal wall.¹



Technique guide - firing the device

Important:

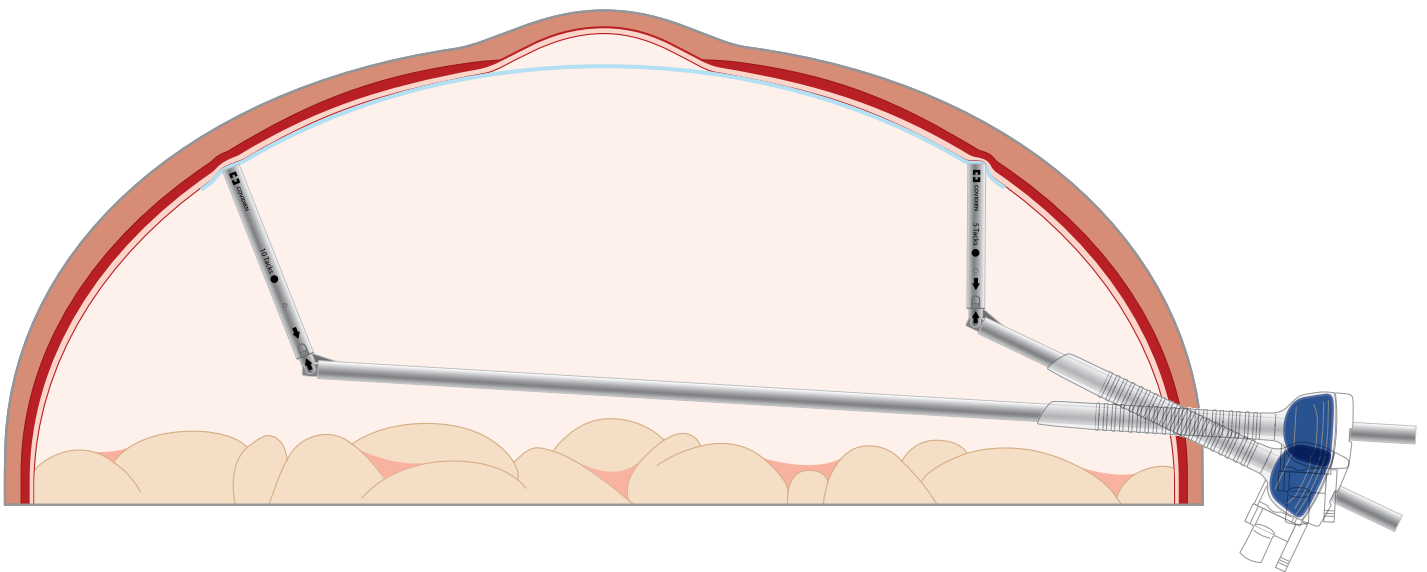
Do not push the handle forward when firing. Apply gentle downward pressure when firing. This will approximate the distal tip of the device against the mesh.



Technique guide -eliminating contralateral ports



You may use five-tack reloads when fixating on the ipsilateral side of the mesh. The five-tack reload will give you maximum access to the ipsilateral side of the mesh due to the length of the reload, allowing you to deploy tacks perpendicular to the mesh and abdominal wall.



Notes

[illegible]

Notes

[illegible]

The surgical technique shown is for illustrative purposes only. The technique(s) actually employed in each case will always depend upon the medical judgment of the surgeon exercised before and during surgery as to the best mode of treatment for each patient.



Hernia care

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References

1. Based on internal test report #RE00010135-1, ReliaTack™ deep purchase tack shear pull test performed in synthetic foam. Results may not correlate to performance in animal or cadaveric tissue, or performance in humans. p-value=0.00. October 2015.
2. Based on internal test report #2165-055-1, Mesh overlap claims testing, p-value=0.007. March 2014.
3. ReliaTack™ DPT cost comparison, ReliaTack™ deep purchase internal average cost data compared to SECURESTRAP™* and SorbaFix™* IMS data. Dec 2015.
4. Based on internal test report #RE00097763, ReliaTack™ ship clip nurse summative usability evaluation summary. Evaluation involving 21 nurses across two institutions in simulated use conditions. June 2017.
5. Based on internal test report #RE00007742, Next Gen fixation phase 2 formative usability results summary. Evaluation involving ten surgeons in simulated use conditions. February 2015.



Questions?

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