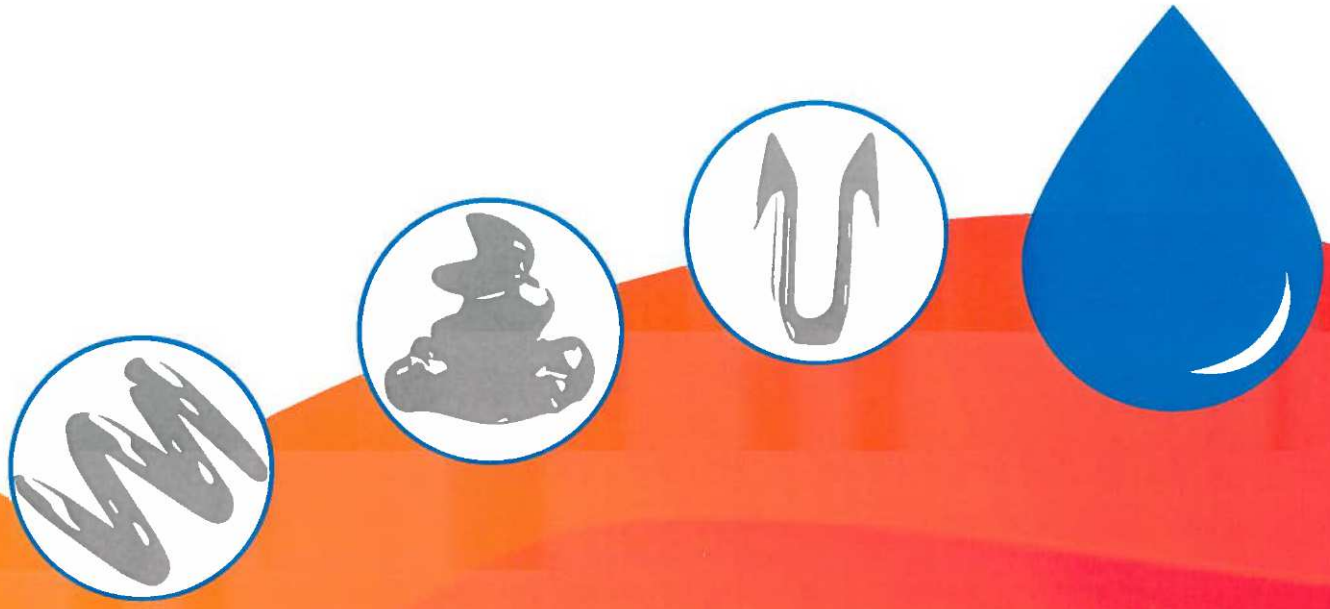
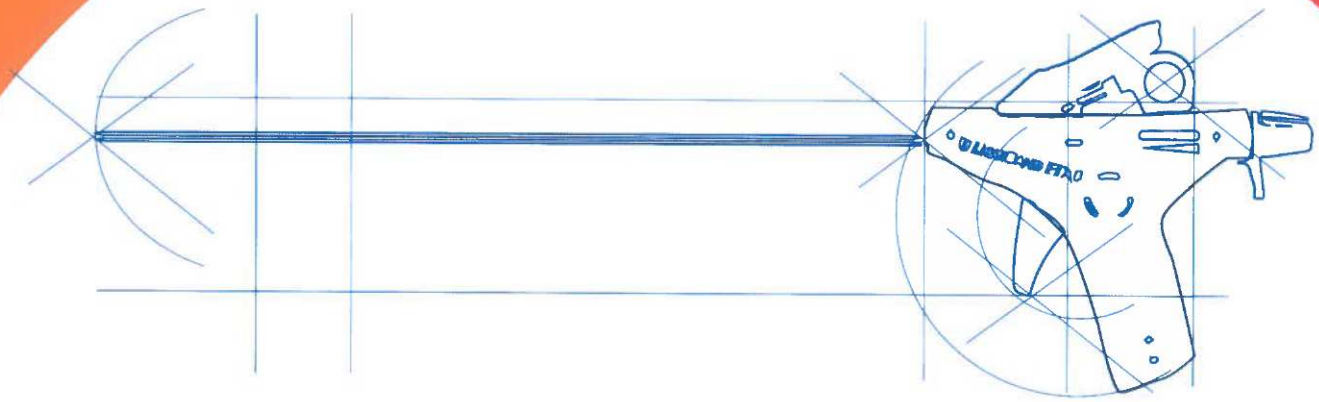
Through Evolution....



....Innovation Within



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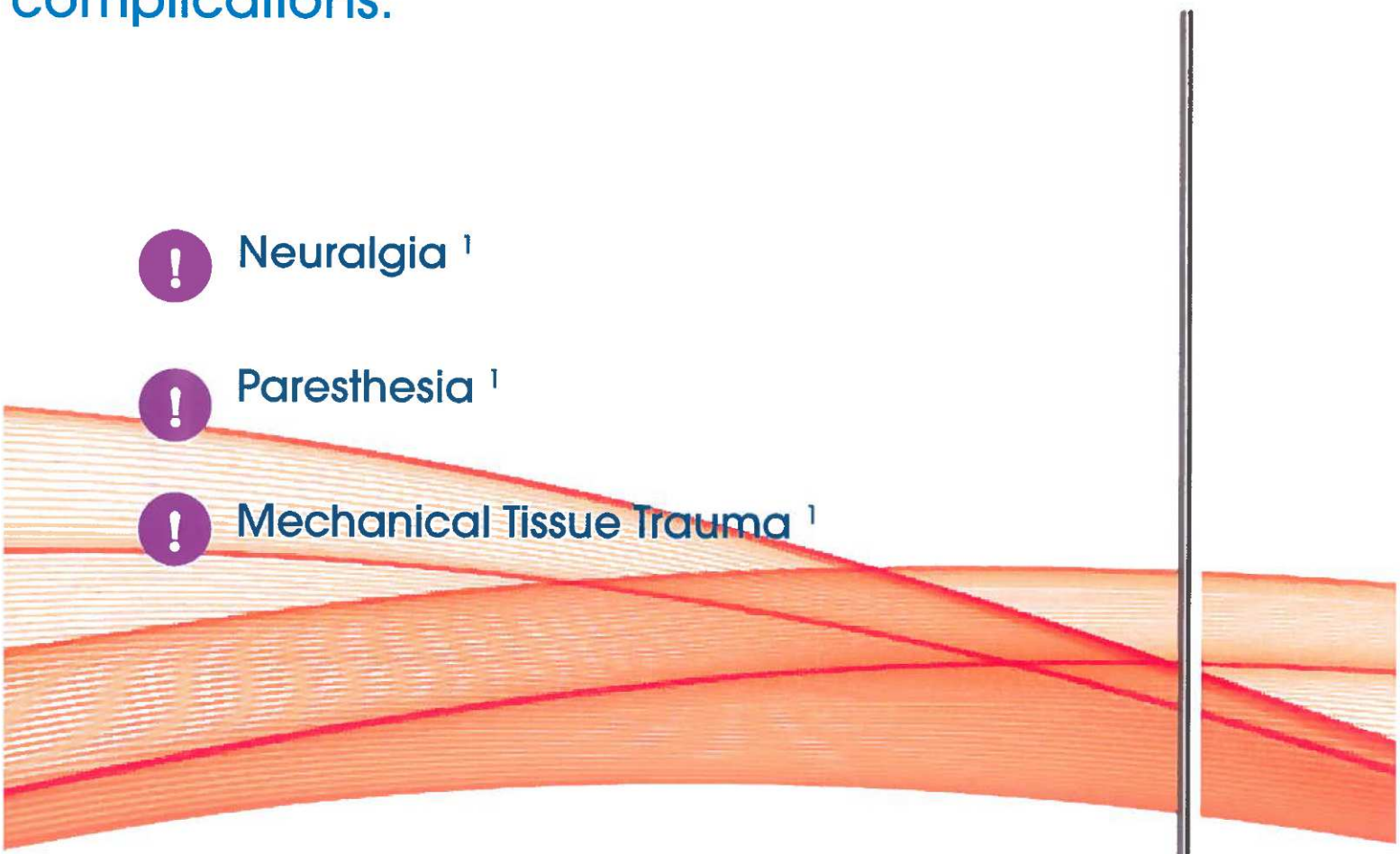
Advanced Medical Solutions

....hernia mesh fixation

LIQUIBAND® FIX8™

Innovative device delivers precise and controlled liquid anchors resulting in strong mesh fixation with reduced risk of common post operative complications.

- Neuralgia [1]
- Paresthesia [1]
- Mechanical Tissue Trauma [1]

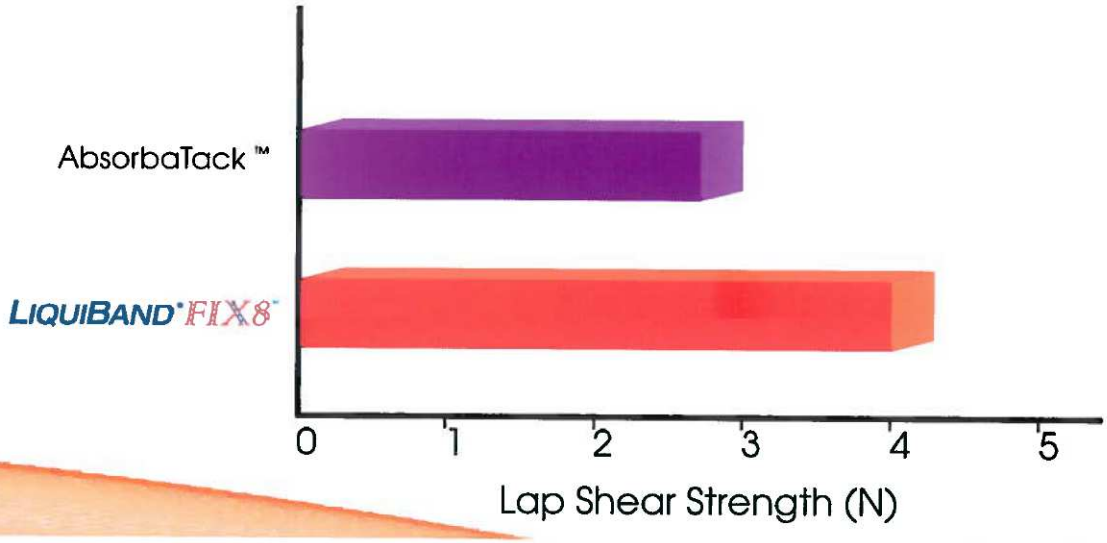


LIQUIBAND® FIX8™ - designed to minimise complications and ensure patient safety and comfort.

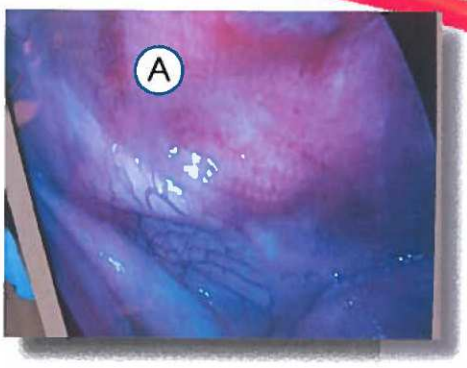
Strong Hernia Mesh Fixation

LIQUIBAND® FIX8™ has demonstrated higher shear strength than an advanced tacker.

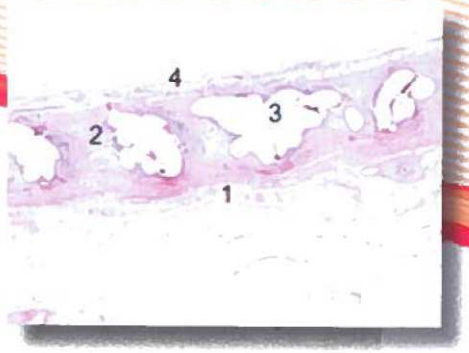
High lap shear strength from one drop of LIQUIBAND® FIX8™ compared to competitor device for fixation of polypropylene mesh (PROLENE*) in an in vitro model. [2]



In a pre-clinical evaluation in a porcine model, no migration of polypropylene mesh (PROLENE*) was observed fourteen days post fixation by LIQUIBAND® FIX8™ with a high peel force required to detach the mesh from adhered tissues. Gross examination and histological analysis confirmed no adverse inflammatory response to the adhesive and also demonstrated a normal process of fibrosis and integration of the mesh into surrounding tissues.[3]



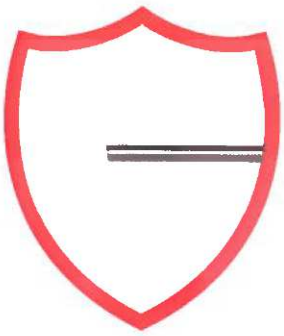
Laparoscopic view of hernia mesh (A) 14 days post fixation by *LiquiBand® FIX8™* revealing advanced stage of fibrosis and tissue integration



2x cross-section of 2 week old graft site showing tight adherence of mesh to abdominal wall (1) Multinucleated giant cells and fibroblasts (2) surround individual mesh fibres (3). There is neo-mesothlialization covering the mesh (4) with moderate vascular content.

Precise and Controlled Delivery

LIQUIBAND® FIX8™ is designed to provide better control and delivery than traditional fixation devices



Non-Sticking / Atraumatic Tip

Quantity Indicator

Controlled Delivery Trigger

Ergonomic Design

- Each click of trigger dispenses 0.0125 g of liquid anchor [4]
- Liquid anchors can be delivered at multiple angles [5]
- Controlled liquid anchor delivery helps avoid tissue adhesive dripping or wastage [6]

Cost Effectiveness

LIQUIBAND® FIX8™ delivers more liquid anchors than other hernia mesh fixation devices.

	LIQUIBAND® FIX8™ Advanced Medical Solutions	Absorba Tack™ Covidien	SorbaFix™ Bard	Secure Strap™ Ethicon	Pro Tack™ Covidien
Delivery System					
Device Tip Design					
Number of Anchors	 33	 30	 30	 25	 30

LIQUIBAND® FIX8™

- *Strong and secure mesh fixation* [7]
- *Precise and controlled application* [8]
- *Fast set time ≤ 10 sec* [9]
- *Non tissue penetrating mesh fixation* [10]
- *No mechanical trauma* [11]
- *Non sticking/atraumatic applicator tip* [12]
- *Easy to use applicator* [13]
- *Fixation at multiple angles* [14]

Advanced Medical Solutions Group (AMS) is a global medical device business providing innovative products and brands in the areas of accelerating healing and managing wounds, minimising adverse surgical outcomes and sealing and closing tissue. AMS was founded in 1991 in Winsford, Cheshire, United Kingdom and is listed on the U.K.'s AIM Market. Today the company has a global customer base, is manufacturing out of 4 countries, and employs over 400 people.

References:

1; Taylor C, Layani L, Liew V, et al. Laparoscopic inguinal hernia repair without mesh fixation: early results of large randomised clinical trial. Surg Endosc. 2008;22 (3):757-762

2-14 ; On AMS data file

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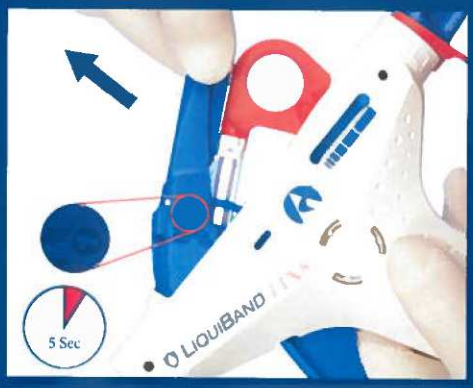
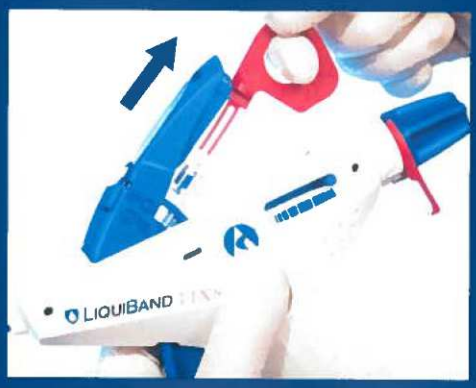
LIQUIBAND® FIX8™

Device Preparation



Step 1:

Hold the device pointing down at approximately 45°. Lift the blue cover firmly to its full extent in the direction of arrow 1 to completely crush the ampoule.
Wait for 5 seconds following the ampoule crush.

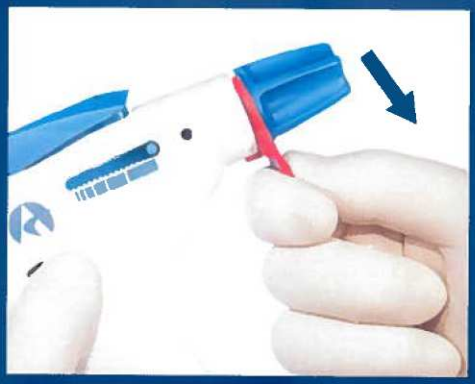


Step 2:

Hold the device with the applicator body vertical, and the tip pointing down, draw the red transfer pull component backwards very slowly. **Full transfer of tissue adhesive to the dispensing chamber should take approximately 20 seconds.** At the end of its travel the transfer pull component will disengage automatically and can be discarded.

Step 3:

Rotate down the blue cover component in the direction of arrow 3 and push firmly until it clicks into the device body.



Step 4:

Remove the red priming lock component and discard.

Step 5:

Ensure the distal tip of the device is located in plastic tray dispensing well, turn the rotatory knob component in the direction shown by arrow 5. The trigger will automatically be released.

Step 6:

Keeping the distal tip within the dispensing cavity actuate the trigger until tissue adhesive is dispensed (Approximately 2 to 3 times).
The device is now primed and ready for use.

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