

# INTUITION MEETS INNOVATION



New LIQUIBANDFIX8® Device  
for Atraumatic Mesh Fixation  
in Open Inguinal Hernia Surgery



**LIQUIBANDFIX8®**  
OPEN HERNIA MESH FIXATION DEVICE

# LIQUIBANDFIX8<sup>®</sup>

OPEN HERNIA MESH FIXATION DEVICE

1.5g

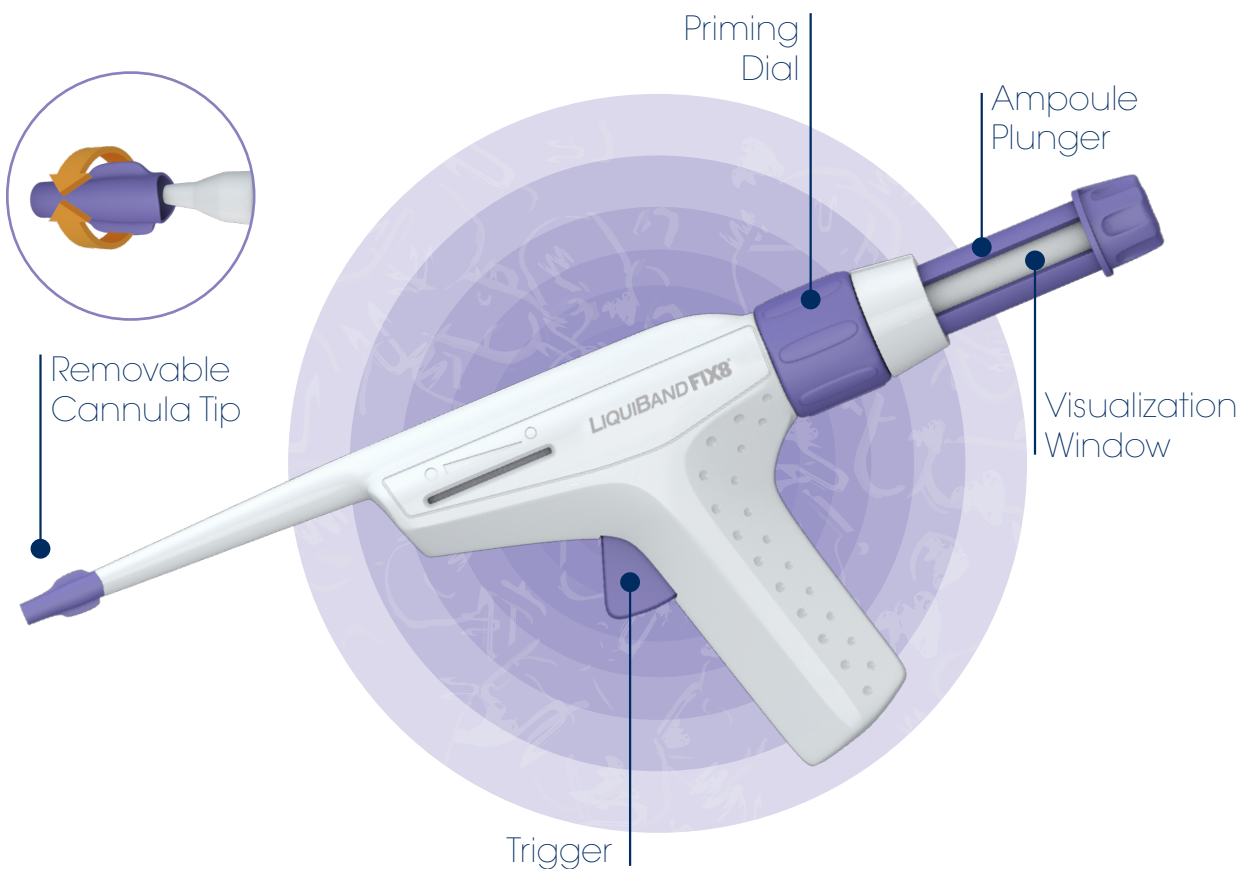
A unique dual tip atraumatic device engineered for strong mesh fixation & topical wound closure in open inguinal hernia surgery

## ✓ INNOVATIVE TIP DESIGN <sup>1</sup>

- Removable tip for topical wound closure and mesh fixation
- Designed to project liquid anchors drop by drop
- Guarded aperture to prevent tip blockage

## ✓ SIMPLIFIED PRIMING <sup>2</sup>

- Simple priming process
- Pre assembled
- Easy tip removal for topical wound closure



## ✓ N-BUTYL 2 CYANOACRYLATE ADHESIVE

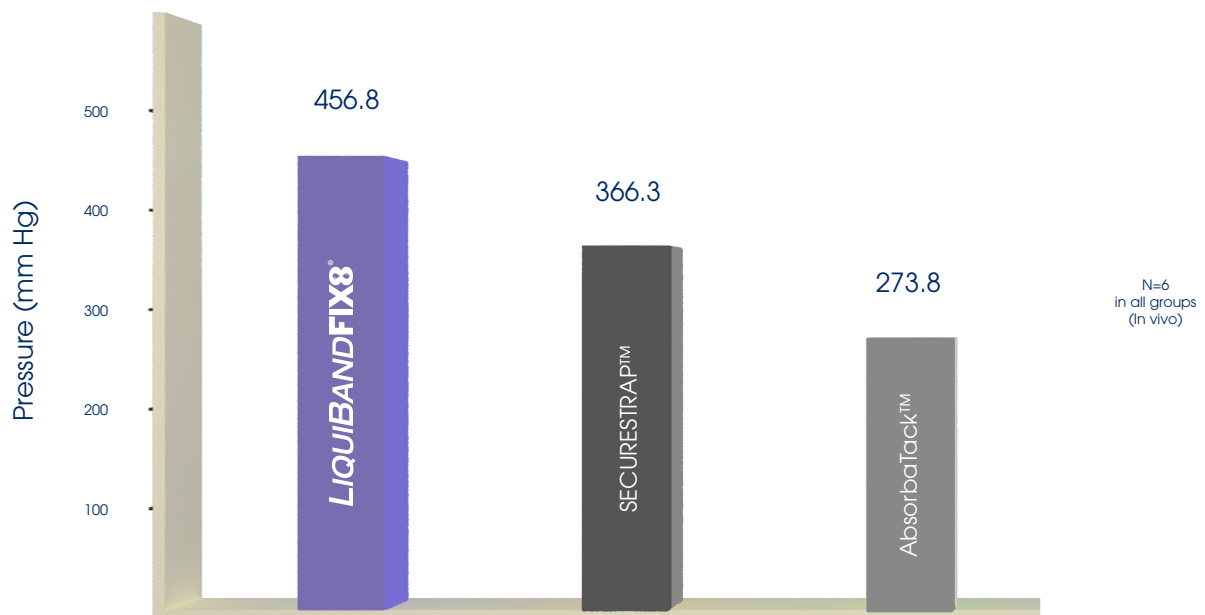
- Mesh fixation in 10 sec <sup>3</sup>
- Reduced risk of trauma & post-operative complications <sup>4</sup>
- Low exothermic reaction <sup>5</sup>

## ✓ PRECISE & ERGONOMIC <sup>6</sup>

- Easy handling
- Delivers at least 45 liquid anchors
- Each trigger dispenses 12.5mg of adhesive

## STRONG FIXATION

**LIQUIBANDFIX8®** demonstrated higher burst strength in comparison to mechanical mesh fixation devices



LiquiBand Fix8® Burst Strength vs Tacking Devices <sup>7</sup>

## PATIENT COMFORT

N-Butyl 2 cyanoacrylate adhesive\* can be considered as a good replacement for sutures in inguinal hernia repair leading to lesser post operative morbidities and a better quality of life. <sup>8</sup>

## COST EFFECTIVENESS

N-Butyl 2 cyanoacrylate adhesive\* optimises cost in open hernia procedure due to less turnaround time which results in improved theatre output without compromising patient care.

GROUP	MEAN	SD	MEAN±SD
Glue	41.8	5.65	41.8±5.65
Suture	52.6	4.64	52.6±4.64
Total	47.29	7.46	47.29±7.46

**AVERAGE TIME SAVED = 10.8 MIN**      **N=51**

Mesh fixation with N-Butyl 2 cyanoacrylate\* is superior to sutures as glue reduces the operative time by an average of 10.8 minutes. <sup>8</sup>

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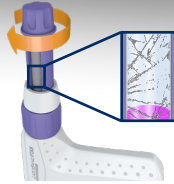
## PRIMING STEPS

01



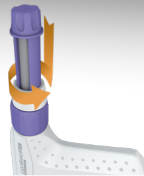
Remove the device from its packaging. Hold the device with the distal tip of the cannula pointing downwards throughout stages 1-5.

02



Rotate the purple distal plunger clockwise until a cracking sound of the glass ampoule breaking is heard. The plunger incorporates a visualisation window where the complete transfer of the adhesive into the device should be confirmed before proceeding. Adhesive transfer is typically achieved within 5 seconds.

03



Slowly push the tube into the device handle, rotate tube anticlockwise at the final portion of the travel to completely align indicators and lock it into the device body.

04



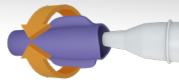
Rotate the purple dial clockwise fully until it comes to a complete stop.

05



Prime the device by actuating the trigger until a drop of adhesive freely emerges. Wipe any excess adhesive from the tip of the cannula onto an appropriate receptacle or on a sterile wipe. The device is now ready for use as hernia repair device.

06



**Preparing the device for subsequent topical wound closure**

Rotate the purple cannula tip in either direction to allow its removal. Dispose of removed tip.

### References:

1-7. Data on AMS file

8. Jeyakumar S et al. Int Surg J. 2018 Apr;5(4): 1443-1448

\*. Results based on N-Butyl 2 cyanocrylate, however, device used is not LiquiBand Fix8®



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