



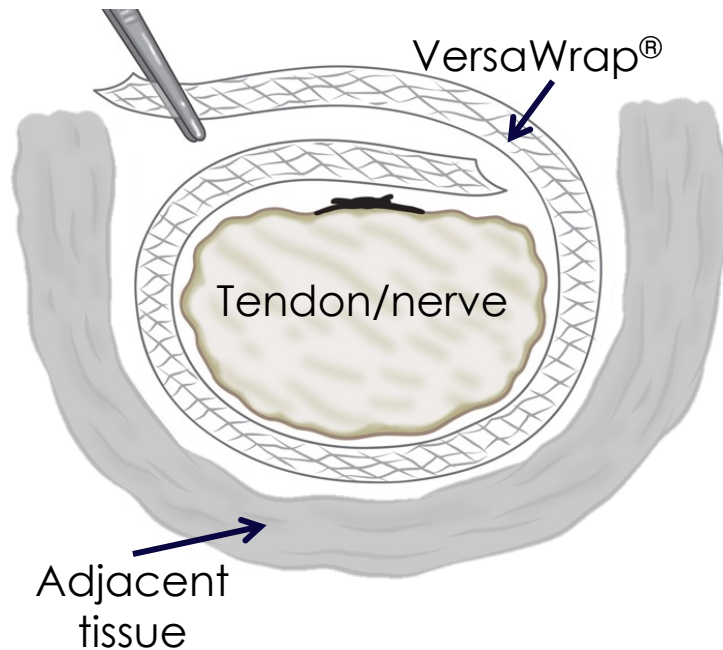

VersaWrap[®]
Tissue protection, reimagined.

Application Methods Guide

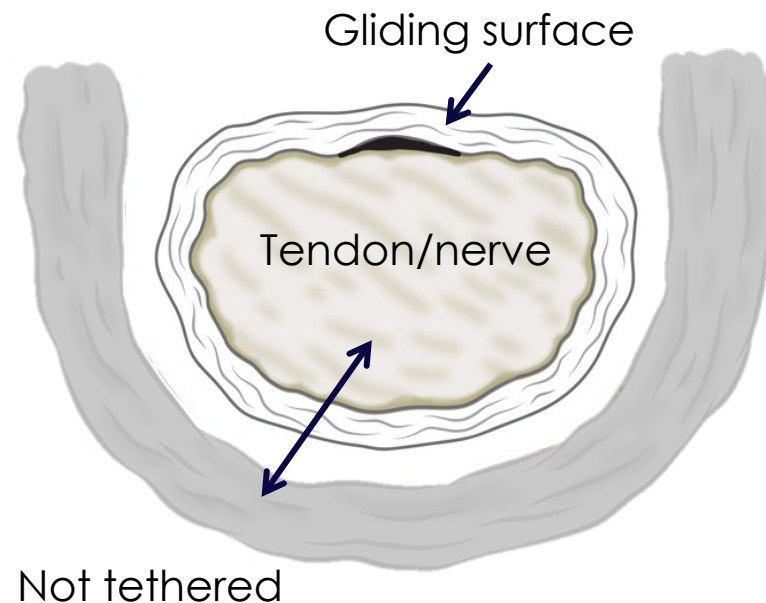
Description

VersaWrap® is an absorbable implant (medical device), designed to serve as an interface between target tissues and surrounding tissues to provide a non-constricting, protective encasement. VersaWrap includes a plant-based bioresorbable hydrogel sheet and a wetting solution. The sheet is an ultrathin membrane of alginate and hyaluronic acid. The wetting solution is comprised of aqueous citrate. The solution is added to the sheet to render the sheet a gelatinous, tissue adherent layer (gel in situ), precluding the need for sutures. This non-constricting, ultrathin layer provides a protective environment and gliding surface during soft tissue healing.

Protect healing tissue



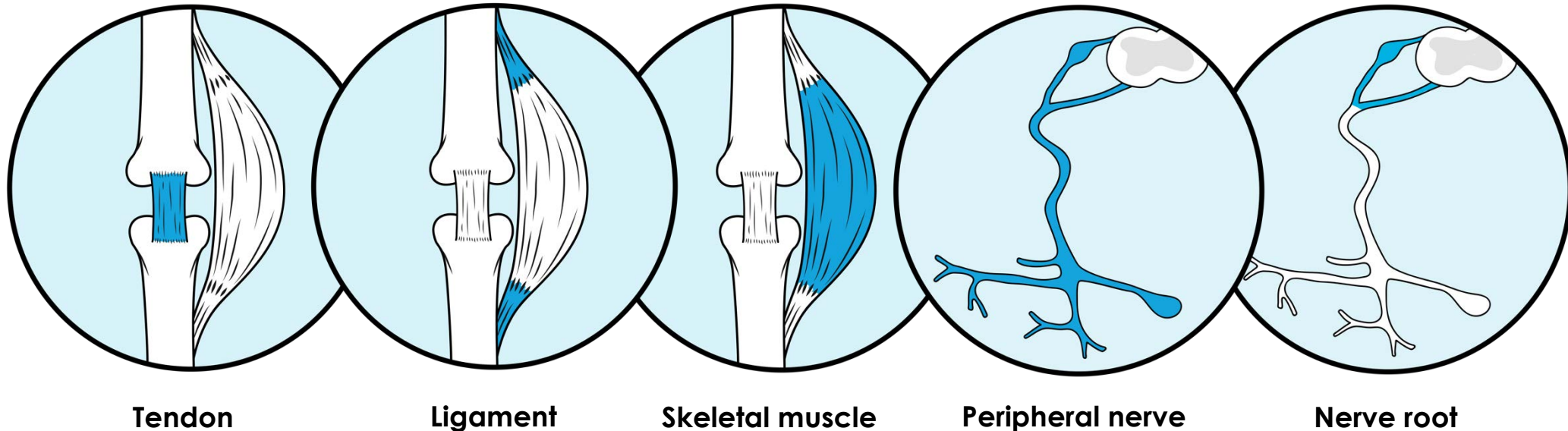
Allow tissues to glide



Indications

VersaWrap is indicated for the management and protection of tendon injuries in which there has been no substantial loss of tendon tissue. The device may also be used in the management and protection of surrounding tissues such as skeletal muscle and ligament. VersaWrap is indicated for the management of peripheral nerve (including nerve root) injuries in which there has been no substantial loss of nerve tissue.

Surgical procedures involving soft tissues can result in unwanted scarring that tethers target tissues to surrounding tissues. This unwanted tethering is associated with limited tissue gliding, resulting in increased force required for movement or function. This mechanical issue can be prevented by physically separating target tissues from surrounding tissues during healing.



Advantages of VersaWrap





Approach and Preparation

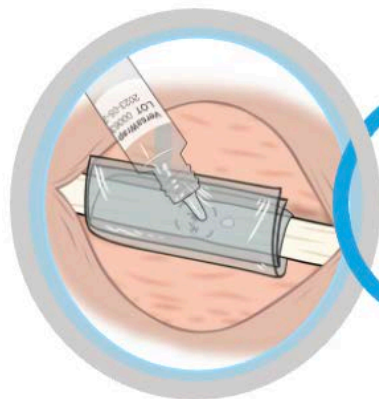
As the manufacturer of this device, Alafair Biosciences does not practice medicine and does not recommend any specific application technique for use on a specific patient. The surgeon who performs any implant procedure is responsible for determining and using the appropriate techniques for implanting the device in each patient.

If irrigation of the surgical site is desired, then irrigation should be conducted prior to the application of VersaWrap. Always handle VersaWrap using aseptic technique.

Peel open the VersaWrap sheet pouch. Remove the sheet, which is translucent, from the inner pouch carefully with dry, gloved fingers or blunt tools. Handle with care as the sheet is fragile. Paper backing is white and opaque and can be used to guide sheet application but is to be discarded. Peel open the VersaWrap solution pouch. VersaWrap solution is supplied in a single use, sterile dropper. Remove dropper cap before using.

Application of VersaWrap does not modify postoperative treatment. The surgeon must determine motion and strength limitations according to standard practice based on the extent of the repair

Application Methods



Sheet Method

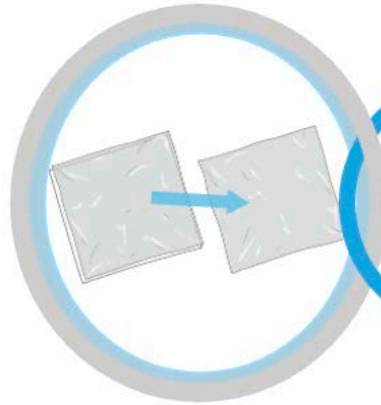
- Uniform layer
- Ultrathin layer (nerve root)
- Wrap circumferentially



Gel Method

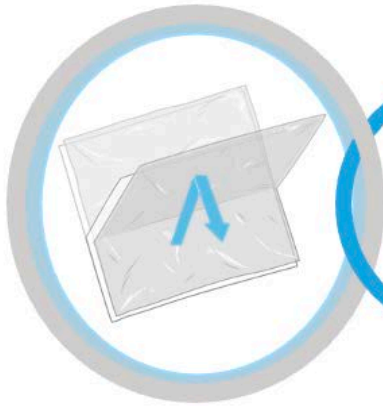
- Smaller openings
- Faster bioresorption
- Unique geometries (pulleys)

Application Methods



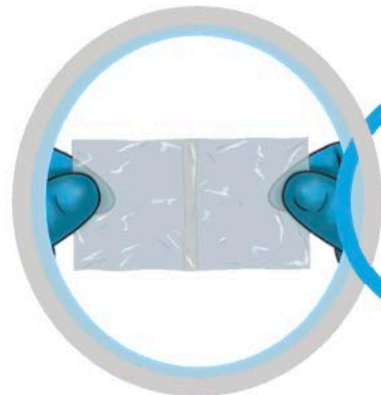
Bilayer Method

- 2x stronger than single sheet
- Slower bioresorption
- Deep tissues (shoulder)



Bilayer Fold Method

- 2x stronger than single sheet
- Slower bioresorption
- Deep tissues (tarsal tunnel)



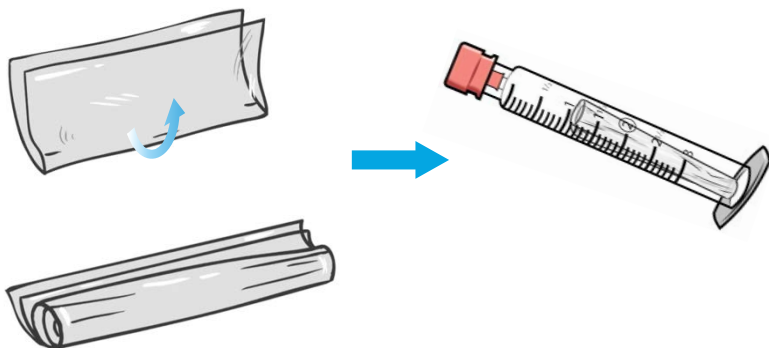
Overlap Method

- Larger surface area
- Custom size / shape
- Quickly apply 2 sheets

Gel Method – Single Syringe

1

fold and roll sheet into a 3 mL syringe

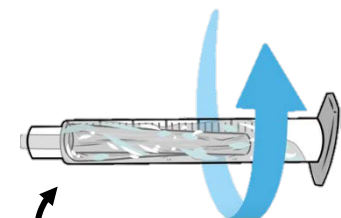
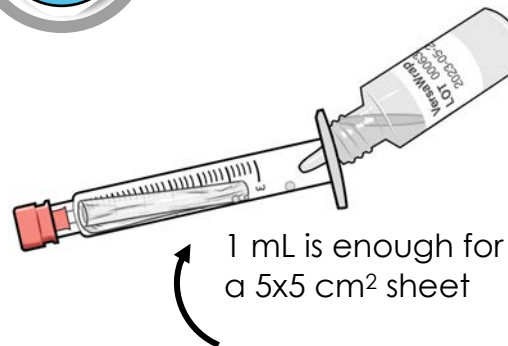


2

add solution

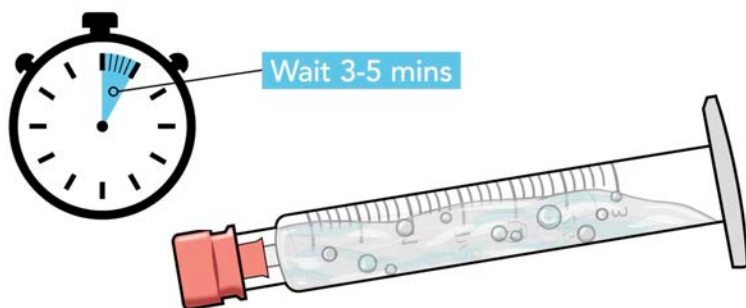
&

completely soak



3

allow to transition for 3-5 minutes

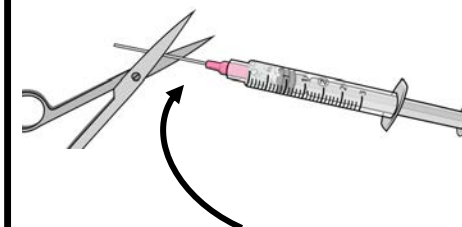
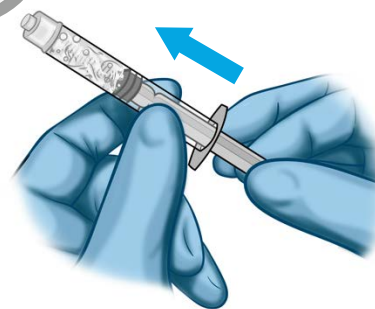


4

remove air

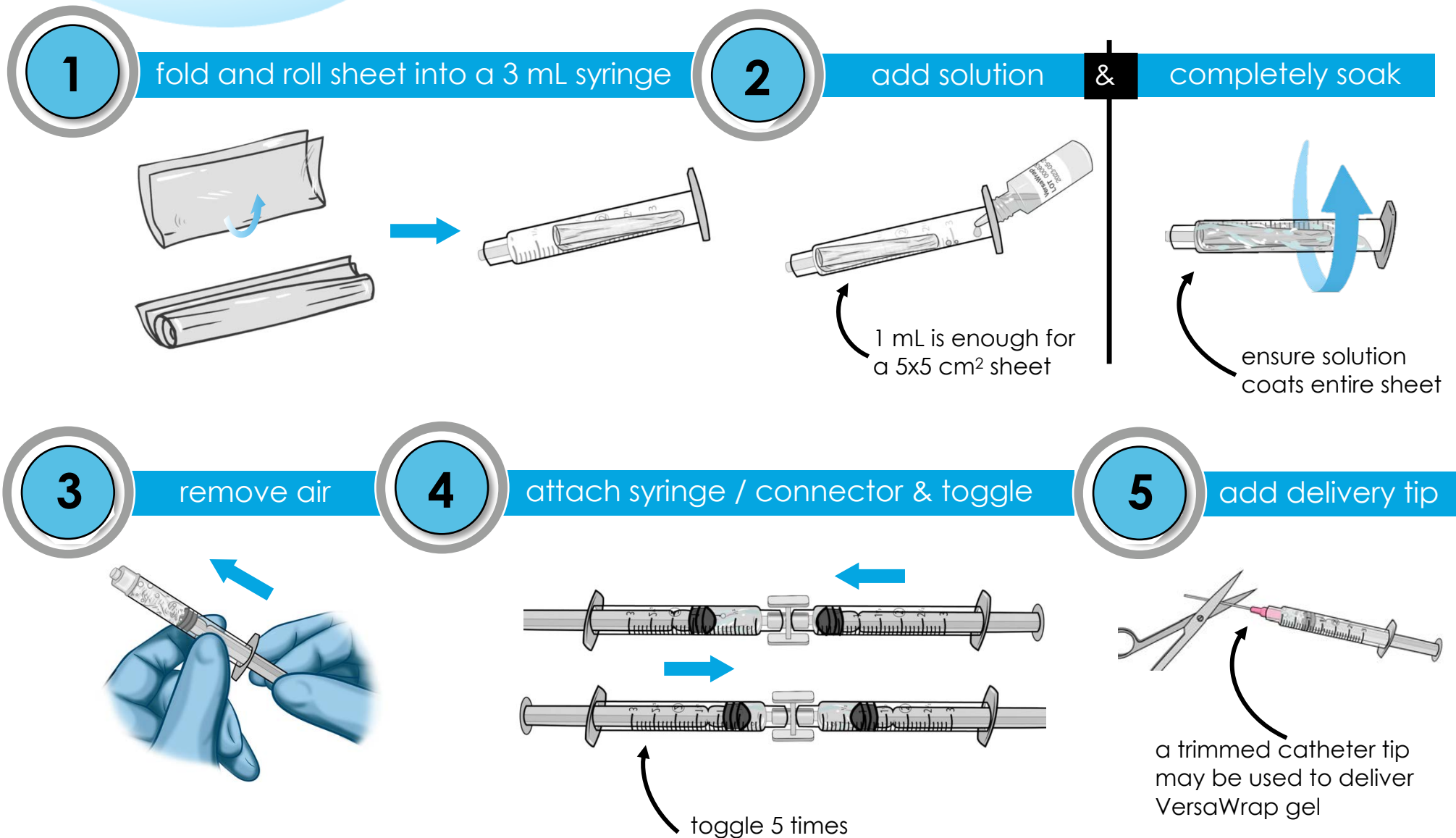
&

add delivery tip



a trimmed catheter tip may be used to deliver VersaWrap gel

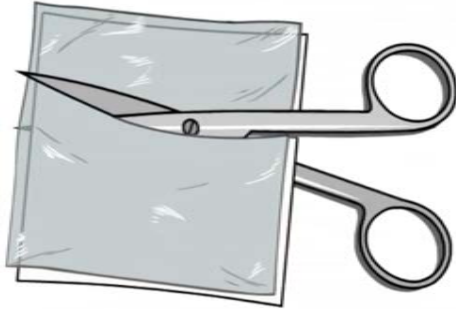
Gel Method – Dual Syringe



Sheet Method

1

cut to size, if needed

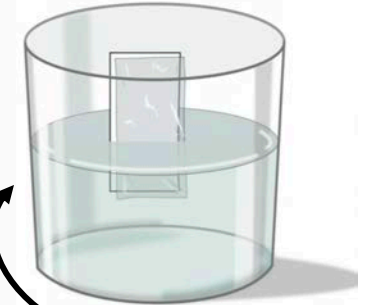


2

apply dry

or

dipped in saline



3

lift tissue to wrap

or

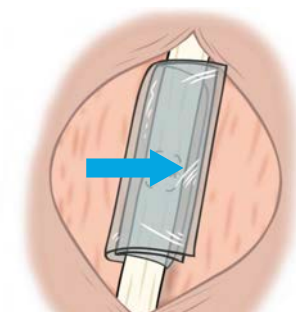
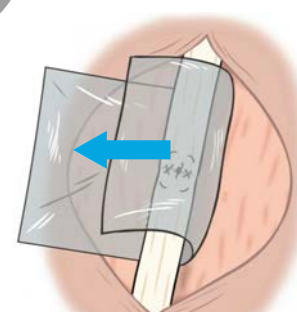
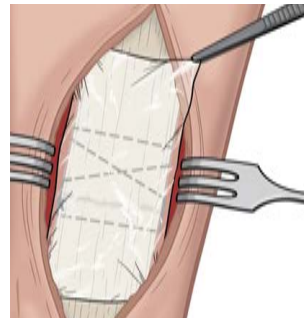
place on

4

fold over

&

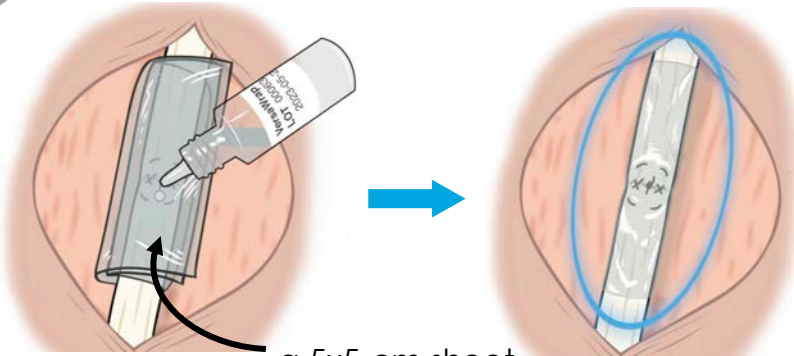
completely cover



Sheet Method

5

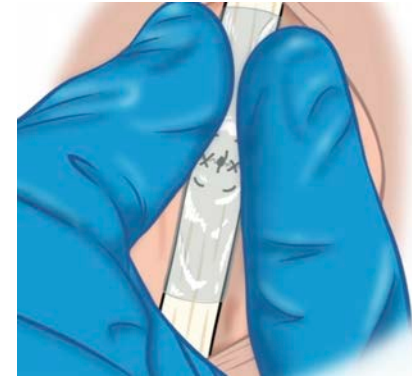
add solution until visibly conforms



a 5x5-cm sheet
requires 0.5 mL

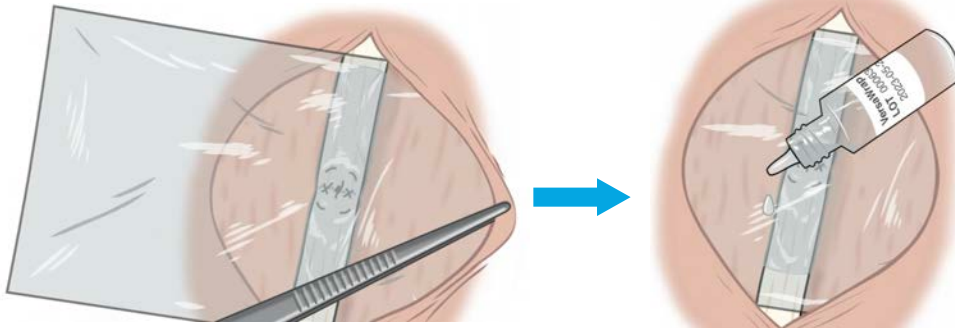
6

smooth, if needed



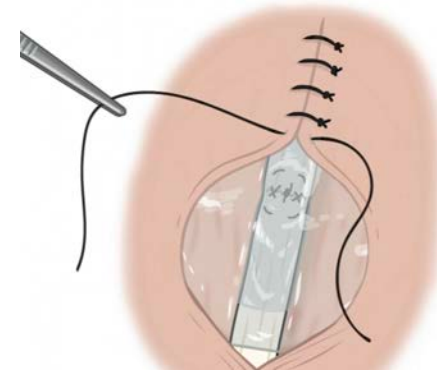
7

multiple layers may be used



8

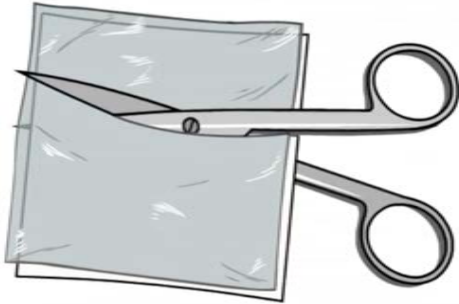
Application of VersaWrap is complete



Sheet Method – Nerve Root

1

cut to size, if needed



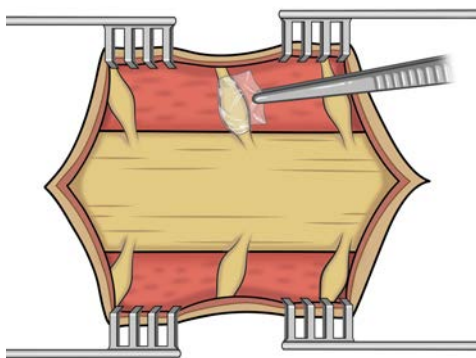
2

apply sheet dry



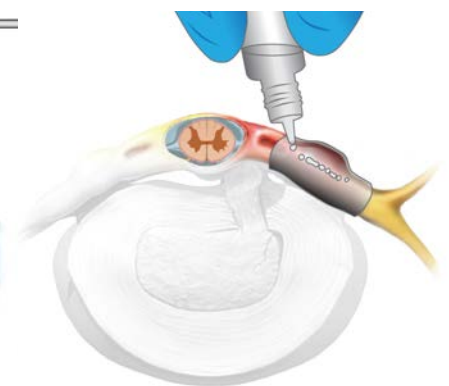
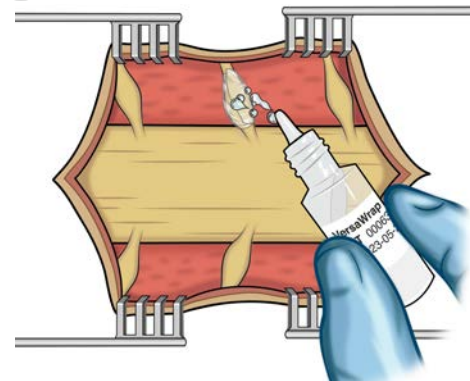
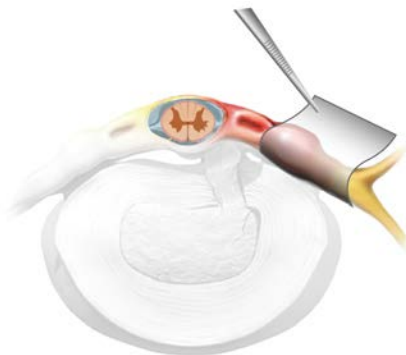
3

place on exposed nerve root



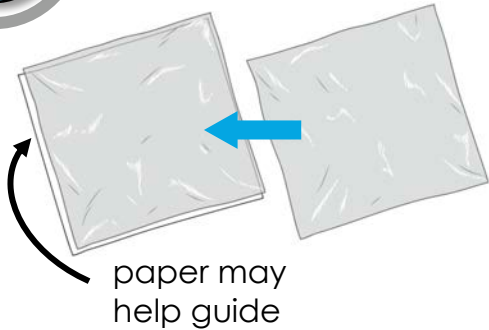
4

add solution until visibly conforms



Bilayer Method*

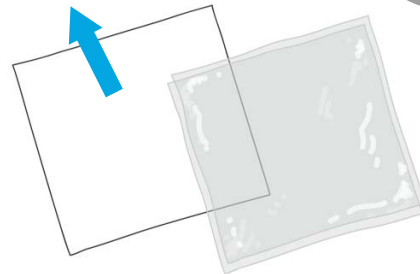
1 overlap two sheets & align edges



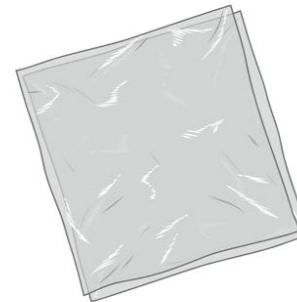
2 dip sheets completely in saline



3 smooth sheets & remove paper



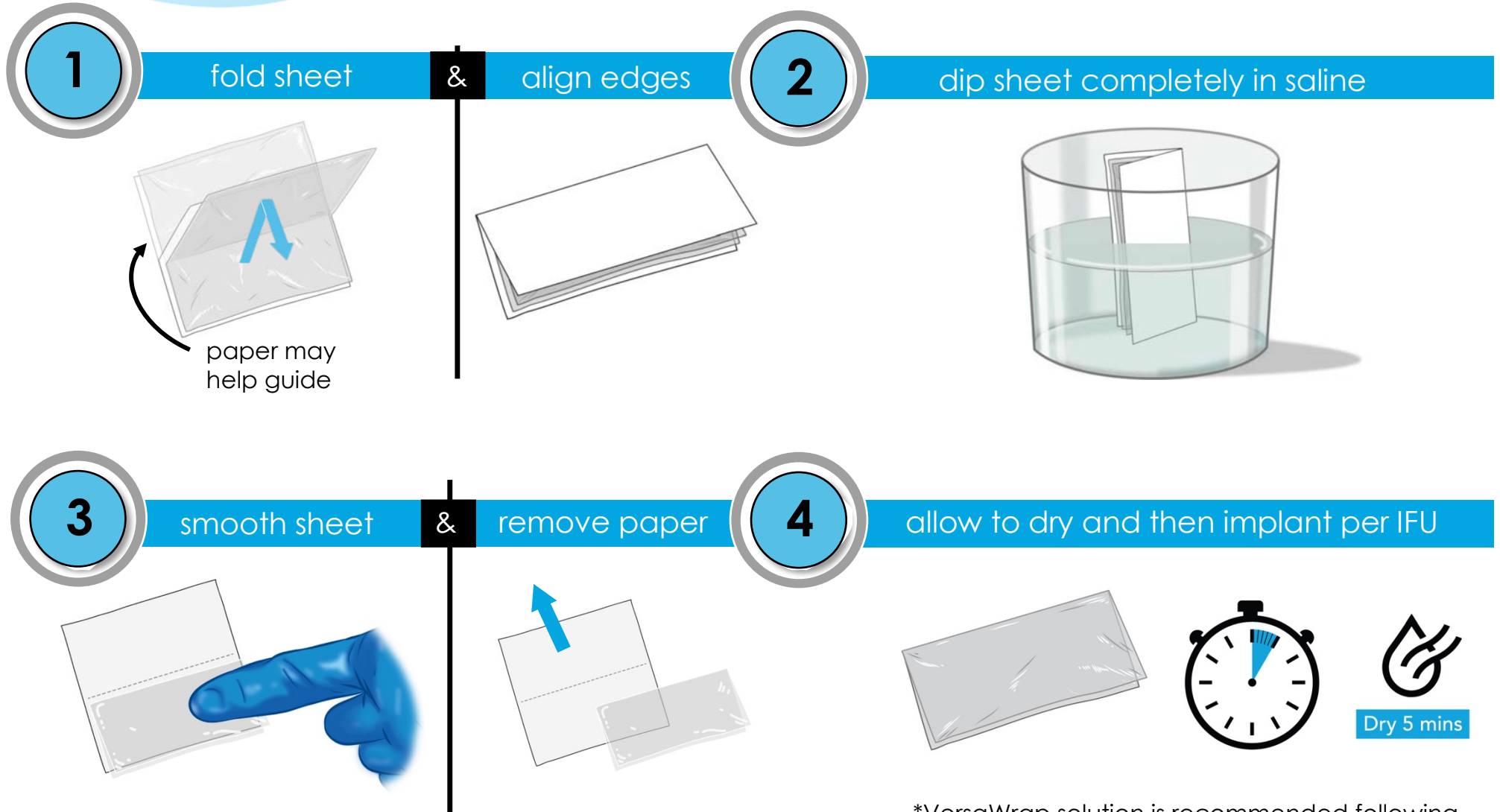
4 allow to dry and then implant per IFU



Dry 5 mins

*VersaWrap solution is recommended following implant of a bilayer sheet

Bilayer Fold Method*



*VersaWrap solution is recommended following implant of a bilayer sheet

Overlap Method

1

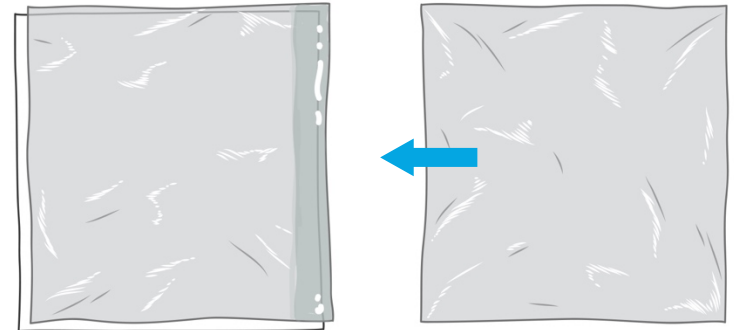
dip edge in saline & remove quickly



paper may help guide

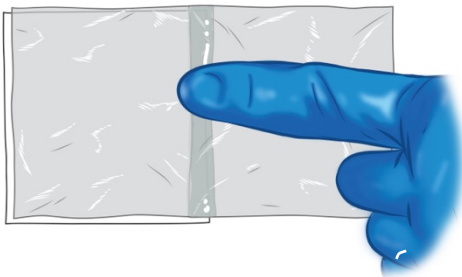
2

overlap sheet onto wetted edge



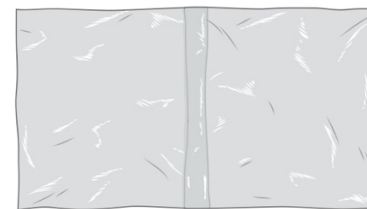
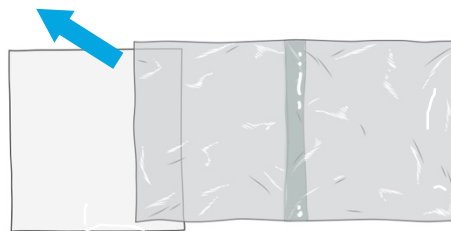
3

smooth sheets & remove paper



4

allow to dry and then implant per IFU



Dry 5 mins



VersaWrap ordering information

For order inquiries: 800.206.5586 or sales@alafairbiosciences.com

Catalog Number	Size / Volume	Quantity
VTP-2201	2 in x 2 in Sheet, 0.03 oz Solution (50 mm x 50 mm, 1 mL)	1 unit/ box
VTP-1201	1 in x 2 in Sheet, 0.03 oz Solution (25 mm x 50 mm, 1 mL)	1 unit/ box

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