

JuggerKnot 2.9 mm All-Suture Anchors

Medial Row Fixation for Rotator Cuff Repair

Surgical Technique

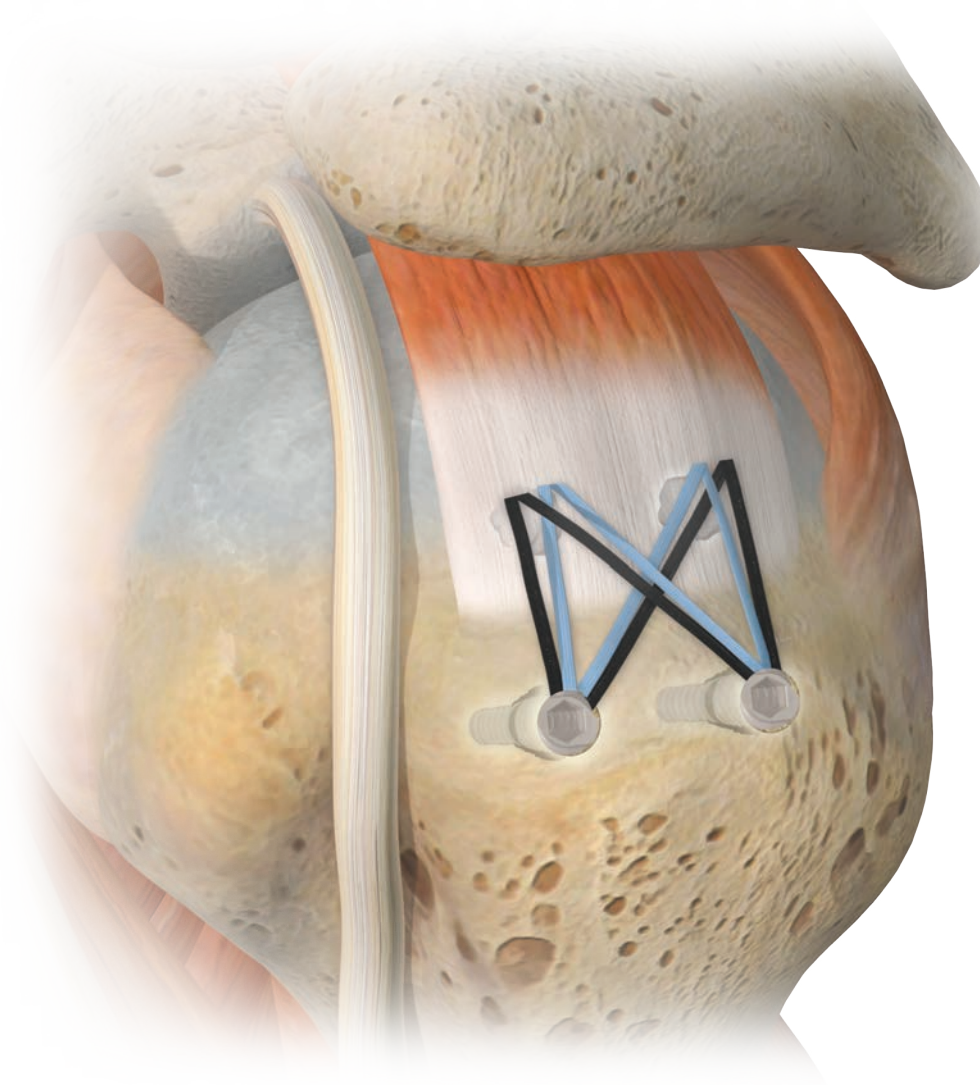


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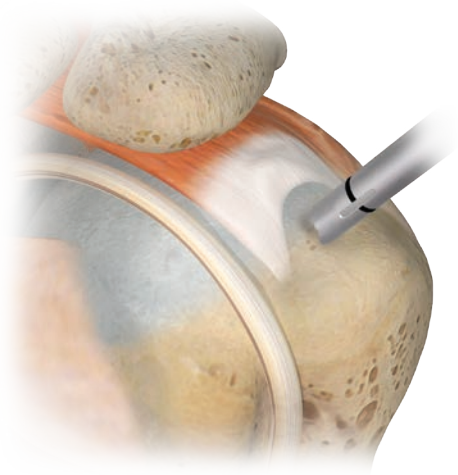


Figure 1

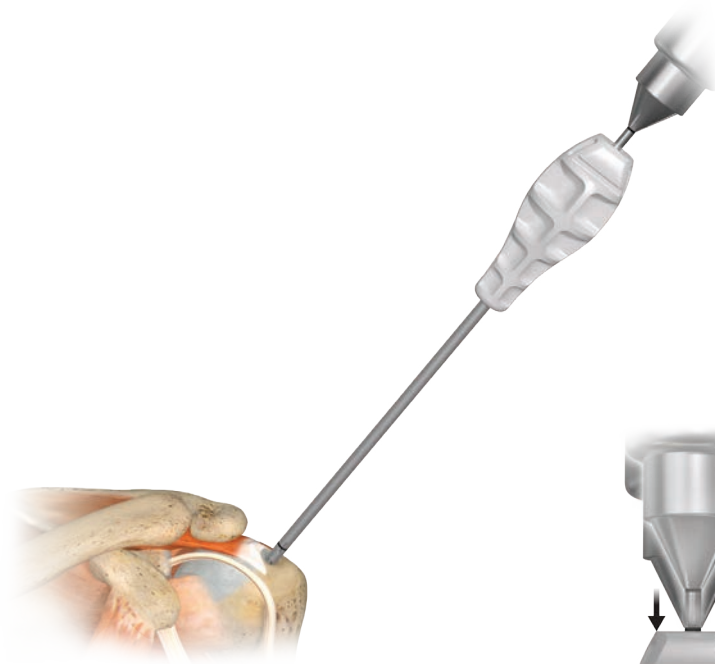


Figure 2



Figure 3

Site Preparation

Use a shaver/burr/rasp to remove soft tissue directly overlying the insertion site.

Create Pilot Hole

Place the 2.9mm JuggerKnot Guide securely and perpendicular to the bone at desired surgeon location (Figure 1).

Insert the JuggerKnot drill bit into the power drill to the proximal laser-etch line to ensure appropriate depth. Insert the JuggerKnot drill into the drill guide (Figure 2). Advance drill until contact is made with the guide (Figure 3).

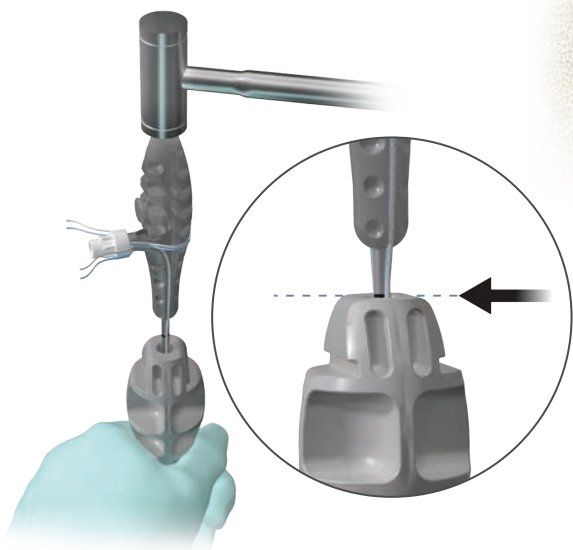


Figure 4

Insert Anchor

While maintaining the guide position firmly against the bone, insert the JuggerKnot 2.9 mm All-Suture Anchor through the guide and into the pilot hole. Lightly mallet the inserter handle until the laser etch line is flush with the back of the inserter handle (Figures 4).

ⓘ **Note:** Caution must be taken not to mallet the implant further than the etch line to ensure guide does not weaken bone.

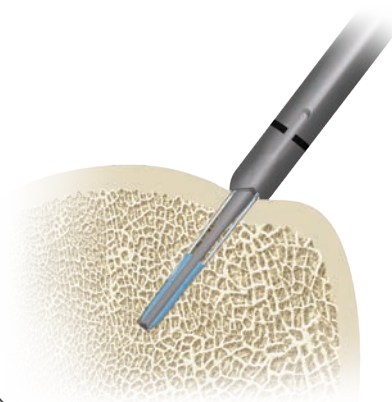


Figure 5

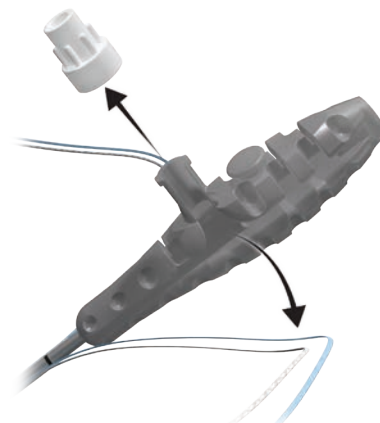


Figure 6

Deploy Anchor

Once anchor has been fully seated (Figure 5), lightly pull back on anchor inserter handle to begin setting the anchor.

Release the BroadBand Suture Tapes from the inserter handle by removing white suture cap (Figure 6). Pull anchor inserter handle directly out from the guide and slightly pull up on the sutures to continue setting the anchor (Figure 7).

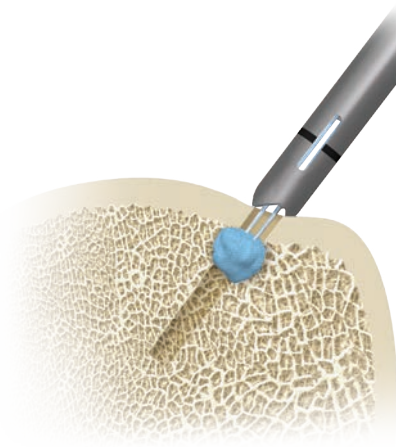


Figure 7

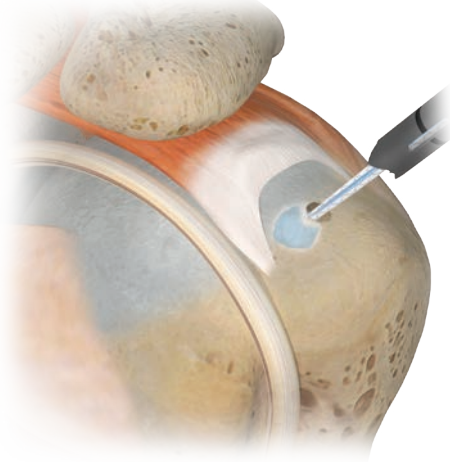


Figure 8

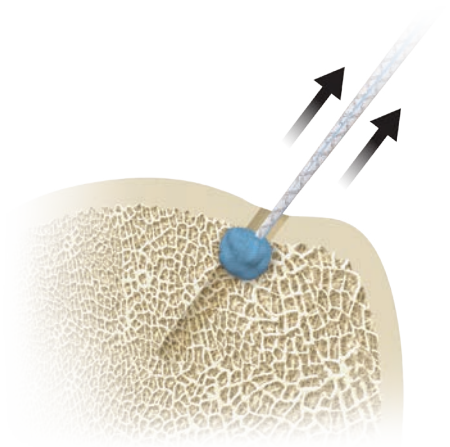


Figure 9

Deploy Anchor (cont.)

Remove the drill guide (Figure 8). Lightly pull on all suture limbs to confirm the anchor is fully deployed (Figure 9).

- ⓘ **Note:** If using a JuggerKnot 2.9 mm with SLIDING BroadBand Tape, verify all sutures slide after anchor deployment.
- ⓘ **Note:** If using a JuggerKnot 2.9 mm with NON-SLIDING BroadBand Tape, verify all co-braid sutures slide. The solid sutures will not slide since they are fixed within the anchor.

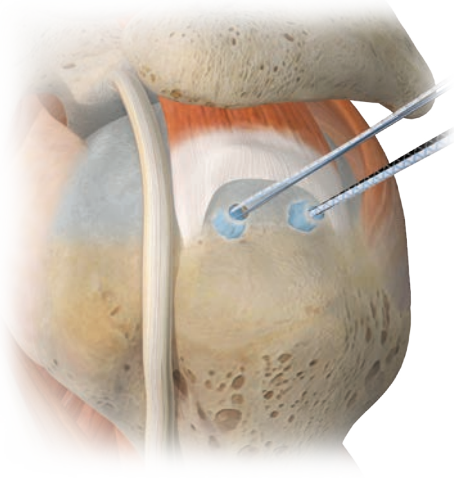


Figure 10

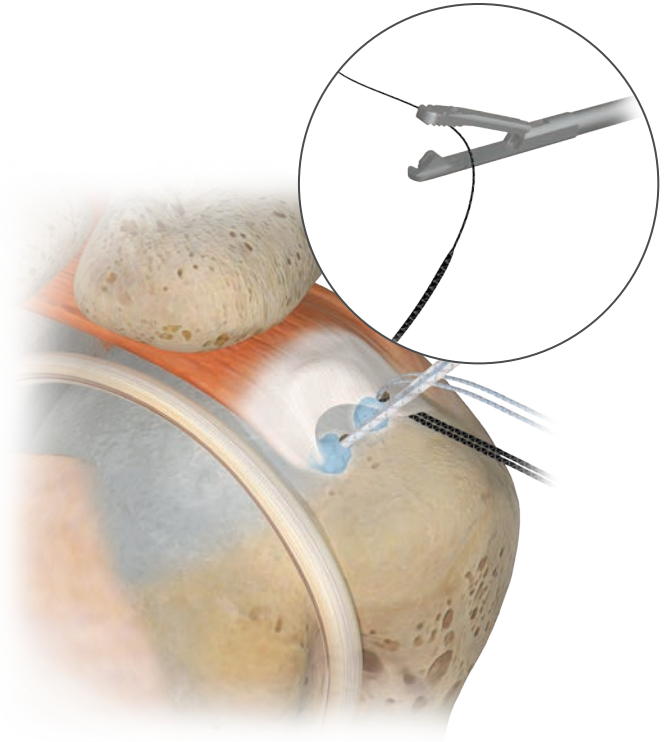


Figure 11

Insert Second Medial Row Anchor

Repeat previous steps to insert a second JuggerKnot 2.9 mm All-Suture Anchor for the medial row (if desired) (Figure 10).

Pass Suture

Individually load the #2 round suture limbs of the BroadBand Tape sutures through the Quattro GT Side Load Passer (CM-09010GTS) (Figure 11). Pass the sutures through the tissue.

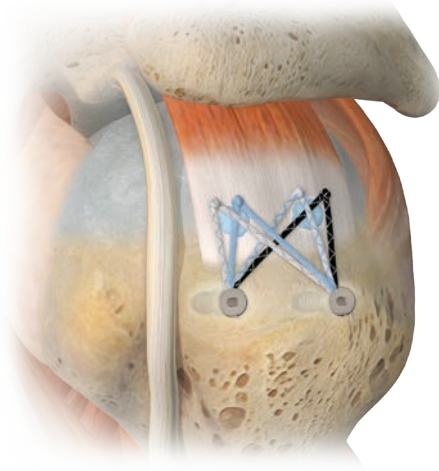


Figure 12



Figure 13

Finalize Repair

Complete the repair with the preferred technique.

For Arthroscopic Knot Tying in Double-Row Repairs (Utilizing Double or Triple loaded 2.9mm JuggerKnot Soft Anchor with Sliding BroadBand Tapes):

Tie arthroscopic knots to repair the tendon from posterior to anterior, but do not cut the BroadBand Tape strands. These strands will span over and the lateral aspect of the tendon and be held in place with Quattro or Ventix™ Link Knotless Anchors (Figure 12).

For Knotless Double-Row Rotator Cuff Repairs (Utilizing JuggerKnot Non-Sliding Taped Option):

Prior to passing the tape strands through the tissue, remove the sliding co-braid BroadBand Tape suture strand from each JuggerKnot Non-Sliding Anchor. Pass the solid colored non-sliding tape strands through the tissue. Retrieve one BroadBand Tape strand from each medial anchor and load into a Quattro or Ventix Link Knotless Anchor. Repeat for the second lateral row knotless anchor (Figure 13).

ⓘ **Note:** Different color non sliding tape can be used to better distinguish colors in the joint for easier suture management. All solid colored suture strands in the JuggerKnot 2.9 mm Non-Sliding Anchors are fixed within the anchor and do not slide.

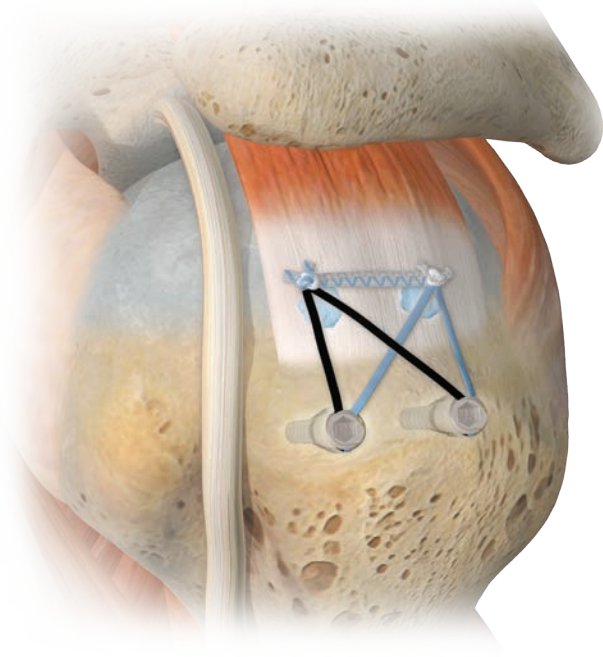


Figure 14

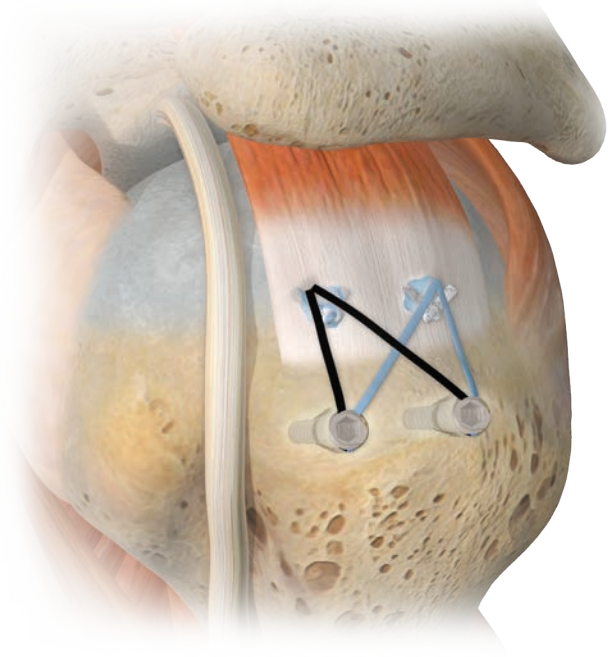


Figure 15

For Augmented Double-Row Rotator Cuff Repairs (Utilizing 2.9mm JuggerKnot Non-Sliding Anchors):

Pass all BroadBand Tape strands through the tissue. Tie the sliding co-braid strands from each anchor to augment the repair (i.e. creating medial pulley or rip stop stitch; Figures 14 &15).

Retrieve one non-sliding solid BroadBand Tape strand from each medial anchor and load into a Quattro or Ventix Link Knotless Anchor. Repeat for the second lateral row knotless anchor.

ⓘ **Note:** For all Double-Row Repairs: Load up to six (6) BroadBand Tape strands into a Quattro or Ventix Link Knotless Anchor to finalize the repair. Refer to the Quattro Link and Ventix Link Anchor Surgical Techniques for complete implantation surgical instructions.

Ordering Information

Implants

JuggerKnot 2.9 mm with Sliding BroadBand Tape

Part Number	Description	Suture Color	Needle Type	Qty
CM-99129B	Double Loaded Sliding #2 (1.5 mm) BB	Wht/Blk, Blu/Wht	–	1
CM-99129BT	Double Loaded Sliding #2 (1.5 mm) BB (10 pk)	Wht/Blk, Blu/Wht	–	10
CM-99229B	Double Loaded Sliding #2 (1.5 mm) BB	Wht/Blu, Blk/Wht	–	1
CM-99229BT	Double Loaded Sliding #2 (1.5 mm) BB (10 pk)	Wht/Blu, Blk/Wht	–	10
CM-99529B	Triple Loaded Sliding #2 (1.5 mm) BB	Wht/Blk, Blu/Wht, Blk/Wht	–	1
CM-99529BT	Triple Loaded Sliding #2 (1.5 mm) BB (10 pk)	Wht/Blk, Blu/Wht, Blk/Wht	–	10
CM-99129BN	Double Loaded Sliding #2 (1.5 mm) BB w/Needles	Wht/Blu, Blk/Wht	26mm 1/2c curved Taper point	1
CM-99129BNT	Double Loaded Sliding #2 (1.5 mm) BB w/Needles (10 pk)	Wht/Blu, Blk/Wht	26mm 1/2c curved Taper point	10

JuggerKnot 2.9 mm with Non-Sliding BroadBand Tape

Part Number	Description	Suture Color	Needle Type	Qty
CM-99329B	Double Loaded (1) Non-Sliding and (1) Sliding #2 (1.5 mm) BB	Wht/Blu Sliding, Blk Non-Sliding	–	1
CM-99329BT	Double Loaded (1) Non-Sliding and (1) Sliding #2 1.5 mm) BB	Wht/Blu Sliding, Blk Non-Sliding	–	10
CM-99429B	Double Loaded (1) Non-Sliding and (1) Sliding #2 1.5 mm) BB	Wht/Blk Sliding, Blu Non-Sliding	–	1
CM-99429BT	Double Loaded (1) Non-Sliding and (1) Sliding #2 (1.5 mm) BB	Wht/Blk Sliding, Blu Non-Sliding	–	10
CM-99629B	Triple Loaded Implant (2) Non-Sliding and (1) Sliding #2 (1.5mm) BB	Wht/Blk Sliding, Blu Non-Sliding, Blk Non-Sliding	–	1
CM-99629BT	Triple Loaded Implant (2) Non-Sliding and (1) Sliding #2 (1.5mm) BB	Wht/Blk Sliding, Blu Non-Sliding, Blk Non-Sliding	–	10
CM-99229BN	Double Loaded (1) Non-Sliding and (1) Sliding #2 (1.5 mm) BB with Needles	Blu/Blk Sliding, Blk Non-Sliding	26mm 1/2c curved Taper point	1
CM-99229BNT	Double Loaded (1) Non-Sliding and (1) Sliding #2 (1.5 mm) BB with Needles	Blu/Blk Sliding, Blk Non-Sliding	26mm 1/2c curved Taper point	10

Implants

Juggerknot 2.9 mm with MaxBraid Suture

Description	Part Number	Suture Color	Needle Type	Qty
Double Loaded #2 MB	912029	Blue/White, Blue	–	1
Double Loaded #2 MB (10 pack)	912529	Blue/White, Blue	–	10
Double Loaded #2 MB with Needles	110005093	Blue/White, Blue	.350"R Cutting Needles	1
Double Loaded #2 MB with Needles (10 pack)	110005241	Blue/White, Blue	.350"R Cutting Needles	10
Double Loaded #2 MB with Needles	110005096	Blue/White, Blue	.320"R Tapered Needles	1
Double Loaded #2 MB with Needles (10 pack)	110005242	Blue/White, Blue	.320"R Tapered Needles	10

Disposables

Juggerknot 2.9 mm Disposable Instrumentation

Description	Part Number
Sterile Disposable Drill Bit	912091
Straight Instrument Kit (Guide, Obturator, Drill Bit)	912057
2.9 mm with Needles Drill Bit Short	110005306

Juggerknot 2.9 mm Reusable Instrumentation

Description	Part Number
Reusable Drill Guide	912090G
Reusable Obturator	912092G
Reusable Trocar	912093G
Reusable In-Guide Punch	912064

INDICATIONS

JuggerKnot Soft Anchors are intended for use in soft tissue to bone fixation for the following indications:

Shoulder

Biceps Tenodesis
Shoulder Instability
Rotator Cuff

Knee

MPFL
Patellar tendon repair
MCL
Quadriceps tendon repair

Foot and Ankle

Achilles tendon repair
Medial/lateral repair and reconstruction
Plantar plate repair
Mid- and forefoot repair
Metatarsal ligament/tendon repair or reconstruction

Elbow

Lateral epicondylitis repair
Biceps tendon reattachmen

CONTRAINDICATIONS

- * Infection
- * Patient conditions including blood supply limitations and insufficient quantity or quality of bone or soft tissue.
- * Foreign body sensitivity. Where material sensitivity is suspected, testing is to be completed prior to implantation of the device.
- * Inadequate bone quantity at implantation site.
- * Patients with mental or neurologic conditions who are unwilling or incapable of following postoperative care instructions or patients who are otherwise unwilling or incapable of doing so.

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Caution: Federal (USA) law restricts this device to sale by or on the order of a surgeon. Rx only

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3518.1-GLBL-en-Issue Date 2021-08-20



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