The clearly defined path to meniscal repair

Arthroscopy can provide easier access to the knee and potentially avoid the risks of open surgical procedures.¹

A number of studies have been published that clearly define the benefits of meniscal repair to help restore as much functional meniscus as possible and to potentially minimize the risk of degenerative disease such as osteoarthritis.¹³

Removal of meniscal tissue, referred to as meniscectomy, has been shown to increase intraarticular pressure and to result in degeneration of the articular cartilage over the long term.³⁴ In recent years, arthroscopic repair techniques have become more prevalent and widely accepted for the treatment of meniscal tears.¹

The ALL TEARS, ALL REPAIRS meniscal repair portfolio from Smith+Nephew provides surgeons with unsurpassed options and possibilities for meniscal repair.

For more information, visit AllTearsAllRepairs.com
NOVOSTITCH™ PRO
Meniscal Repair System

Expanding the possibilities of meniscal repair

The NOVOSTITCH PRO Meniscal Repair System allows surgeons to repair meniscus-to-meniscus by placing a stabilizing Circumferential Compression Stitch around a meniscal tear. This stitch provides anatomic reduction and uniform compression of the tear edges, addressing a wide variety of meniscal tear types such as radial, horizontal, vertical, complex and root.5

NOVOSTITCH PRO Meniscal Repair System is 510(k) cleared and may not be available in all markets due to the regulatory and/or medical practices in individual markets. Please contact your Smith+Nephew representative if you have questions about the availability of Smith+Nephew products in your area.

ACCESS
Low 1.6mm entry profile with a retractable jaw.

MANEUVER
Curved upper jaw and blunt tip to enhance maneuverability.5

PROTECT
Intraarticular needle deflects away from femur, minimizing the risk of chondral injury.5

SIMPLIFY
Pre-loaded all-suture implant eliminates suture management with single insertion cartridge available in size 2-0 and 0 suture.
FAST-FIX° 360
Meniscal Repair System

Easy, fast, all-inside meniscal repair
The FAST-FIX 360 Meniscal Repair System offers exceptional fixation strength, easier implant deployment, a built-in depth penetration limiter and a stiffer needle shaft for enhanced control. The system is designed to help optimize the chances of a successful meniscus repair.

Reverse Curved
Instrumentation is specifically designed to pierce the underside of the meniscus. Because the needle’s point is on the opposite side of the curve, it is designed to enter the inferior area without skiving the meniscus or the tibial plateau.

One-handed, fast-click, active implant deployment
The unique 360° actuation design provides improved control, enabling you to deploy implants in any hand position – vertically or horizontally on either side of the meniscus – with a fast, smooth, advancing motion. This spring action design facilitates the advancement of each implant into the capsule.

Minimal disruption to the meniscus
Low-profile needle delivers smaller implants and pre-tied, self-sliding knot made of ULTRABRAID® 2-0 Suture creating smaller needle insertions, designed to reduce disruption to the meniscus.

Clinically proven FAST-FIX Meniscal Repair Technology
Like its predecessor, the FAST-FIX 360 system has biomechanical properties that best reproduce the vertical mattress-suture technique. You can count on a strong, reproducible and reliable meniscal repair.

*Based on in vitro data.
ULTRA FAST-FIX°
Meniscal Repair System

Tried and true all-inside meniscal repair

When the original FAST-FIX Meniscal Repair System was introduced, it set the benchmark for non-invasive, all-inside repairs. Thanks to its preloaded implants, pre-tied sliding knot and innovative pusher/cutter device, this system lets surgeons deploy two implants vertically or horizontally on either side of the meniscus, tighten the suture and trim the excess. The ULTRA FAST-FIX System was designed by building upon the success of the original FAST-FIX system.

Curved and reverse-curved needle

Curved needles are designed to provide easy access to a multitude of tear sites. The reverse-curved needle is designed for repairing tears on the inferior surface.

Passive implant deployment

The implant is deployed when it catches on the capsule.

FAST

- Unlike conventional suture-based repair systems, the ULTRA FAST-FIX system is an implant system with a pre-tied, self-sliding knot designed to eliminate the need for intraarticular knot tying.

STRONG

- System provides a strong, reproducible and reliable meniscal repair.11*
- Contains no hard device heads; designed to minimize trauma to articular cartilage.

EASY

- ULTRABRAID® Suture has improved knot-sliding properties over traditional polyester suture.7
- Curved and reverse-curved needles designed to provide easy access to a multitude of tear sites.

* Based on biomechanical testing
MENISCUS MENDER II Repair System

Outside-in access to anterior tears

The MENISCUS MENDER II (MMII) Repair System is designed for repairing the meniscus under arthroscopic visualization and is ideally suited for anterior horn tears and middle-third tears. The system allows surgeons to work from the outside of the knee into the joint, instead of starting sutures inside the capsule and exiting less predictably out the back.

The MMII system utilizes curved and straight needles and a patented suture-capture loop. Depending on the patient’s anatomy, the surgeon may use a combination of curved or straight needles in order to best access the tear. These components allow the surgeon to use the outside-in approach, which may help minimize the risk of damage to neurovascular structures during meniscal repair.12

Suture-capture loop

The MMII system utilizes curved and straight needles and a patented suture-capture loop.
MENISCAL ROOT Repair System

Reproduce the anatomic footprint

A meniscus root tear can be defined as either an avulsion of the meniscal root from its attachment point or a radial root tear within 1cm of the root attachment.13

The MENISCAL ROOT Repair System featuresaimers designed to maneuver around the tibial eminence, and the system has been designed to support one- or two-tunnel procedures. The included guide has offsets of between 5-8mm which allow it to be positioned in a manner that facilitates the ideal location of the second tunnel.
FIRSTPASS® MINI
Family of Suture Passers

Designed for reliability, versatility and accessibility

These suture passers, which come in three versions, left-curved, straight and right-curved, are designed to help facilitate root-repair procedures executed in tight spaces.

RELIABILITY
Fully disposable system with a preloaded needle.¹⁴

VERSATILITY
Passes ULTRABRAID® Suture or ULTRATAPE Suture.

ACCESSIBILITY
Straight and 17° left- and right-curved jaw options.

To learn more, visit AllTearsAllRepairs.com
MENISCAL STITCHER
Repair System

Inside-out delivery with smaller needle diameter
Classic inside-out techniques remain a viable solution for the repair of many kinds of meniscal tears. Providing the versatility to address a variety of tear patterns and the ability to deliver sutures with smaller needles, with proven long-term results, inside-out techniques have been considered the gold standard for arthroscopic meniscus repair.\textsuperscript{15}

The MENISCAL STITCHER is designed specifically for inside-out procedures and can be customized to the unique needs of each procedure.

MENISCAL STITCHER SYSTEM INCLUDES:

- Curved double-lumen cannulas
- Straight double-lumen cannulas
- Posterior-access cannula
- Thimble
- Bending tool
- Sterilization tray
- Variety of disposable needles
SUTURE MANAGEMENT

NOVOCUT◊
Suture Manager

Suture management simplified
The NOVOCUT Suture Manager enables surgeons to tighten knots and cut suture with unique design features to simplify the knot-tying process.

SIDE LOADING
Capture suture without threading the needle.

ACCESS
Low profile allows pushing directly on the knot.

CONSISTENT TAILS
Suture tails minimize risk of cutting the knot.

SUTURE MANAGEMENT
May limit the need for other devices.

To learn more, visit AllTearsAllRepairs.com

All Tears All Repairs 11
MENISCAL REPAIR PREPARATION

WEREWOLF◊ FLOW 50◊
Wand

Optimal control

COBLATION◊ technology means controlled ablation. The COBLATION process involves the creation and application of an energy field called glow discharge plasma. This plasma ablates tissue through a chemical process as highly energized particles in the plasma break down molecules in the tissue.

FLOW 50 Wand enables surgeons to access and address all soft tissue types in the knee without compromise.

• Indicated for meniscus and all soft tissue in the knee
• Combined COBLATION and FLOW–IQ◊ technology to remove tissue with speed* and precision16,17**
• Designed to provide optimal access to the posterior horn and root of the meniscus

* In Vac mode the FLOW 50◊ COBLATION Wand removes free-floating tissue approximately four times faster than AMBIENT® SUPER MULTIVAC 50, in vitro.

** The controlled plasma field produced by COBLATION allows for precise removal of soft tissue with minimal damage (100 – 200 μm) evident in untargeted cartilage tissue ex vivo; Cell damage may vary depending on protocol used.

*** Compared to mechanical debridement. In a randomized, controlled study for knee chondroplasty in patients with a grade 3 chondral lesion and concomitant meniscal tears.

**** Market-indicated for use on all soft tissue types including the knee.
DYONICS™ Curved PLATINUM Blades

Platinum technology and performance

PLATINUM curved blades deliver easy access, aggressive resection and effective debris evacuation. Each blade is designed to retain sharpness throughout a procedure and have low risk of metal debris generation.²⁸,²⁹ By increasing speed and quality of resection, PLATINUM curved blades can help busy arthroscopists operate efficiently and reduce patient time under anesthesia.

STATE-OF-THE-ART
Automated production ensures the highest level of quality, manufactured to meet demanding surgical applications.

TIGHT CLEARANCE
Between inner and outer blade tips enables precise cutting for precise resection²⁸ and efficient debris evacuation.²⁹

PREFERENCE-SETTING
Window lock function control facilitates fine tuning of suction flow, allowing performance to be uniquely adapted to each situation.
ALL TEARS ALL REPAIRS

MENISCAL MENDER II Repair System

MENISCAL STITCHER Repair System

NOVOSTITCH° PRO Meniscal Repair System*

FAST-FIX° 360 Meniscal Repair System

ULTRA FAST-FIX Meniscal Repair System

MENISCUS MENDER II Repair System

WEREWOLF° FLOW 50° Wand

DYONICS° Curved PLATINUM Blades

FIRSTPASS° MINI Family of Suture Passers
Solution Offering

<table>
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Smith+Nephew: expanding what’s possible in meniscal repair by enabling treatment of all tears with all repairs .. all around the meniscus.

References
### Ordering information

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Learn more at [AllTearsAllRepairs.com](http://www.alltearsallrepairs.com)