

THE OPTIMAL REPAIR SOLUTION FOR LIGAMENT PROCEDURES

Tendons are an excellent repair option for any ligament procedure where multiple reconstructions have failed, where there is a loss of, or damage to a large segment of ligament.

Allograft usage saves valuable OR time therefore potentially reducing costs and offering optimal solutions to patients.



JRF Ortho offers a full complement of ligament repair allografts for knee reconstruction, including:

- ▶ Pre-shaped Achilles tendons
- ▶ Bone Tendon Bone Patellar ligaments
- ▶ Non-bone tendons

Pre-shaped allografts are precision ligament repair solutions that reduce the surgical prep time needed to shape standard bone tendons. Both the pre-shaped achilles tendons and patellar ligaments allow surgeons to maximize biomechanical properties by optimizing bone block geometry and its contact in the tunnel.

PRESUTURED TENDONS

JRF Ortho exclusively offers a number of presutured tendons including:

- ▶ JRF SpeedGraft™
- ▶ JRF VersaGraft™

Presutured tendons are sterile and preassembled with Arthrex FiberWire® or FiberLoop® for speed and convenience. Each tendon is assembled according to Arthrex specifications, by trained technicians, ensuring that the presutured tendon meets the requirements of the procedure to allow for anatomic, minimally invasive, and reproducible knee reconstruction.

ADVANTAGES OF NEXT GENERATION PRESUTURED TENDONS

OR time and cost savings

- ▶ No autograft recovery
- ▶ No construct assembly

Consistent quality graft

- ▶ Sutured after patented cleansing method
 - Maintains accurate sizing and suture integrity
- ▶ Pre-tensioned for 20 minutes at 20 lbs

Presutured tendon uses

- ▶ Allow a variety of fixation
- ▶ TightRope® RT in femur towards "All Inside"
- ▶ MPFL, AC Joint or Lateral Ankle Stabilization

SAFETY, TISSUE INTEGRITY & STERILIZATION

ADVANCED CLEANSING TECHNOLOGIES CLEANSE WHILE PRESERVING TISSUE INTEGRITY

Tissue integrity is maintained with consistent processing, monitored temperature and limited reagent exposure.

Our processors' use a proprietary bioburden reduction step that removes blood and lipids.

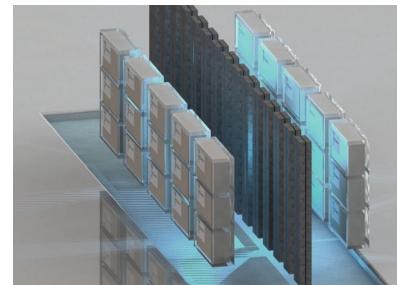


TERMINAL STERILIZATION WITHOUT COMPROMISING TISSUE PERFORMANCE

Recent studies show ultra-low dose, low-temperature irradiation does not impact the integrity of tissue and post-transplant failure rates.^{1,2}

JRF Ortho distributes ultra-low dose (9.5–15 kGy), low-temperature irradiated tendons that are used to obtain a Sterility Assurance Level (SAL) of 10⁻⁶.

Our processors are pioneers in ultra-low dose radiation sterilization for allograft tissue.³



MAXIMIZING SAFETY WHILE PROVIDING QUALITY TENDONS

Working in a controlled environment with patented processes and ultra-low dose, low-temperature sterilization, our processors' skilled technicians deliver safe, high quality tendons.

Utilizing highly sensitive NAT testing, has resulted in no confirmed incidence of disease transmission.

Regulatory Compliance

- ✓ FDA ✓ CLIA
- ✓ AATB ✓ ISO

1. McGilvray KC, Santoni BG, Turner AS, Bogdansky S, Wheeler DL, Puttlitz CM. The effects of 60Co gamma radiation dose on initial structural biomechanical properties of ovine bone-patellar tendon-bone allografts. Cell and Tissue Bank. 2011; (12):89-98.

2. Block JE. The impact of irradiation on the microbiological safety, biomechanical properties, and clinical performance of musculoskeletal allografts. Orthopedics. 2006; (11):991-6.

3. TIR37:2007: Sterilization of Health Care Products – Radiation – Guidance on Sterilization of Human Tissue-Based Products.

TO ORDER

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