

Allograft Solutions for Knee Repair

Emulating Normal Biology – Naturally

Movement defines who we are.

Patients with connective tissue damage to the knee demand treatment options that will restore their ability to move freely. Surgeons treating these defects frequently depend on the Joint Restoration Foundation™ to deliver high-quality ligament and cartilage allografts for knee restoration and repair procedures.

Allografts from JRF™ are a valuable treatment modality when the surgical goals are to improve function and preserve joint integrity, particularly in the event future revision may be needed. Allografts are an effective alternative to synthetic implants because they mimic the biology of native tissue. Surgeons choose allograft over autologous tissue repair as the latter approach requires a second surgical site, potentially increasing morbidity, operating room time and post-operative discomfort.

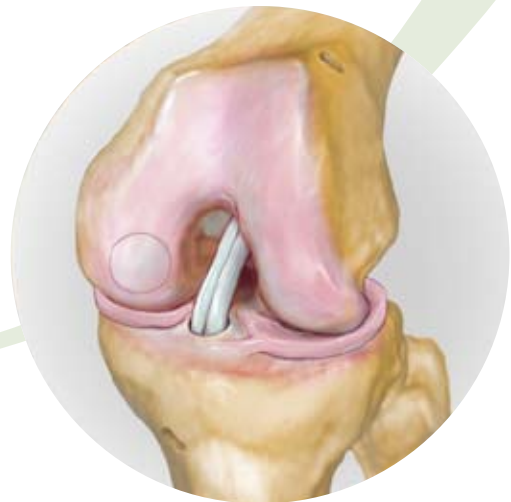
At JRF our goal is to simplify and standardize knee repair procedures by delivering a biologic repair alternative with state-of-the-art instrumentation, ultimately reducing operative time. This approach has made JRF the largest provider of fresh osteochondral allografts in the nation and one of the largest suppliers of sports medicine allografts.

Clinical References:

- Surgical management of articular cartilage defects in the knee. (Cole et al., *J Bone and Joint Surg* 2009)
- A systematic review of anterior cruciate ligament reconstruction with autograft compared with allograft. (Carey et al., *J Bone Joint Surg* 2009)
- Allografts in articular cartilage repair. (Görtz et al., *J Bone and Joint Surg* 2006)
- Refrigerated osteoarticular allografts to treat articular cartilage defects of the femoral condyles. A prospective outcomes study. (LaPrade et al., *J Bone and Joint Surg* 2009)
- Allograft meniscal transplantation: background, techniques, and results. (Cole et al., *J Bone and Joint Surg* 2002)
- Osteotomies about the knee for tibiofemoral malalignment in the athletic patient. (Gardiner et al., *Am J Sports Med* 2010)

Ensuring Quality of Life

Allografts provided by JRF are produced from donated human tissue in compliance with requirements set forth by the US Food and Drug Administration (FDA) and Standards of the American Association of Tissue Banks (AATB). Our work is driven by a desire to restore movement and quality of life to patients affected by joint disease or injury. It is carried out through a commitment to maximizing graft availability while assuring tissue quality and allograft safety.



Studies show fresh osteochondral allografts transplanted within 15 to 28 days of recovery have significant functional and clinical advantages. JRF is the largest provider of these specialized allografts, offering viable biologic solutions for a range of challenging joint defects.

JOINT RESTORATION
FOUNDATION™



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To order call: 1.877.255.6727

Knee Allografts

Osteochondral Allografts

Osteochondral Allografts.

Osteochondral allograft transplantation provides a natural solution for medial and lateral condylar defects as well as patellofemoral and tibial plateau osteochondral repair.

Osteochondral allografting allows surgeons to transplant mature, hyaline cartilage with viable chondrocytes and subchondral bone in a single procedure. These grafts often are used to treat focal cartilage defects associated with osteochondritis dissecans, osteoarthritis, AVN and traumatic injury. They offer long-term repair for a patient's damaged hyaline cartilage.

Fresh Osteochondral Allografts for Repair of Articular Cartilage and Subchondral Bone Defects in the Knee

32147001	Lateral Femoral Hemi-Condyle, Right	Aseptic, Fresh
32147002	Lateral Femoral Hemi-Condyle, Left	Aseptic, Fresh
32247001	Medial Femoral Hemi-Condyle, Right	Aseptic, Fresh
32247002	Medial Femoral Hemi-Condyle, Left	Aseptic, Fresh
43547001	Femoral Trochlea, Right	Aseptic, Fresh
43547002	Femoral Trochlea, Left	Aseptic, Fresh
33547001	Whole Femoral Condyle, Right	Aseptic, Fresh
33547002	Whole Femoral Condyle, Left	Aseptic, Fresh
33647001	Patella with Attachments, Right	Aseptic, Fresh
33647002	Patella with Attachments, Left	Aseptic, Fresh
32447001	Whole Tibial Plateau w/Meniscus, Right	Aseptic, Fresh
32447002	Whole Tibial Plateau w/Meniscus, Left	Aseptic, Fresh
45047001	Lateral Hemi-Tibial Plateau w/Meniscus, Right	Aseptic, Fresh
45047002	Lateral Hemi-Tibial Plateau w/Meniscus, Left	Aseptic, Fresh
44947001	Medial Hemi-Tibial Plateau w/Meniscus, Right	Aseptic, Fresh
44947002	Medial Hemi-Tibial Plateau w/Meniscus, Left	Aseptic, Fresh

Bone Allografts for Knee Realignment

41915001	Osteotomy Wedge Pair	Sterile, Freeze Dried
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High Tibial Osteotomy Wedge Allografts.

Malalignment of the knee increases compartmental load and damage to the articulating surfaces.

JRF provides High Tibial Osteotomy (HTO) wedge allografts to correct malalignment. The bone matrix structure of the HTO wedge allograft allows normal bone healing and growth, maximizing graft incorporation.



Fresh Femoral Hemi-Condyle



Fresh Trochlea



Fresh Whole Femoral Condyle



Osteotomy Wedge Pair

To order call: 1.877.255.6727

Knee Allografts

Sports Medicine Allografts

Tendon and Ligament Allografts.

JRF delivers a full complement of ligament repair allografts for knee reconstruction, including preshaped Achilles tendons and patellar ligaments, and standard bone and non-bone tendons.

Preshaped bone-tendon-bone (BTB) allografts are precision ligament repair solutions that reduce the surgical prep time needed to shape standard bone tendons. Valuable OR time is minimized potentially reducing costs and offering an optimal solution to patients undergoing either ACL or PCL repair procedures. Both the preshaped Achilles tendons and patellar ligaments allow surgeons to maximize biomechanical properties by optimizing bone block geometry and its contact in the tunnel.

Tendon allografts remain an excellent repair option for any tendon repair procedure where multiple

Tendon and Ligament Allografts for Ligament Repair

10017000	Achilles Tendon w/Bone Block	Sterile, Frozen
1085-14	Achilles Tendon w/out Bone Block	Sterile, Frozen
1517-14	Achilles Tendon, Preshaped, 10mm	Sterile, Frozen
1518-14	Achilles Tendon, Preshaped, 11mm	Sterile, Frozen
17817000	Hemi-Patellar Ligament	Sterile, Frozen
17917000	Whole Patellar Ligament	Sterile, Frozen
110-14	Whole Patellar Ligament w/Quadriceps	Sterile, Frozen
18017000	Patellar Ligament, Preshaped, 10mm	Sterile, Frozen
18717000	Double Strand Semitendinosus	Sterile, Frozen
43917000	Double Strand Peroneous Longus	Sterile, Frozen
41517000	Double Strand Anterior Tibialis	Sterile, Frozen
41617000	Double Strand Posterior Tibialis	Sterile, Frozen
44217002	Quadruple Strand Semitendinosus/Gracilis	Sterile, Frozen
44217000	Quadruple Strand Tibialis	Sterile, Frozen
44217004	Quadruple Strand Peroneous Longus	Sterile, Frozen

Meniscal Allografts for Meniscus Replacement

28325001	Lateral Meniscus w/Bone Block, Right	Aseptic, Fresh Frozen
28325002	Lateral Meniscus w/Bone Block, Left	Aseptic, Fresh Frozen
28225001	Medial Meniscus w/Bone Block, Right	Aseptic, Fresh Frozen
28225002	Medial Meniscus w/Bone Block, Left	Aseptic, Fresh Frozen

reconstructions have failed, where there is a loss of, or damage to, a large segment of tendon or ligament, or where trauma has resulted in tendon ruptures or tears.

Meniscus Allografts.

When the native meniscus is injured or absent, degenerative changes occur. The amount of contact stress in the knee joint increases making the articular cartilage vulnerable to long-term damage.

Replacing injured tissue with a meniscus allograft from JRF increases contact surface area resulting in greater shock absorption and increased biomechanical function. Ultimately this relieves pain and leads to restored mobility. JRF offers both lateral and medial meniscus allografts for meniscus replacement procedures.



Pre-shaped Patellar Ligament



Quadruple Strand Tendon



Peroneous Longus Tendon



Fresh-frozen Meniscus

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Allograft transplant procedures are made possible through the generosity of donors and their families. The Joint Restoration Foundation™ is the link between patients in need of biologic joint repair and those who are inspired to restore hope and healing to others.



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