

Fresh Osteochondral Grafts

Reference Manual

For over 30 years, LifeNet Health's mission has been saving lives and restoring health. We take another step in that mission with our new Osteochondral Graft product offerings. We work in close collaboration with you and your staff to ensure the proper match for your patient.

About LifeNet Health

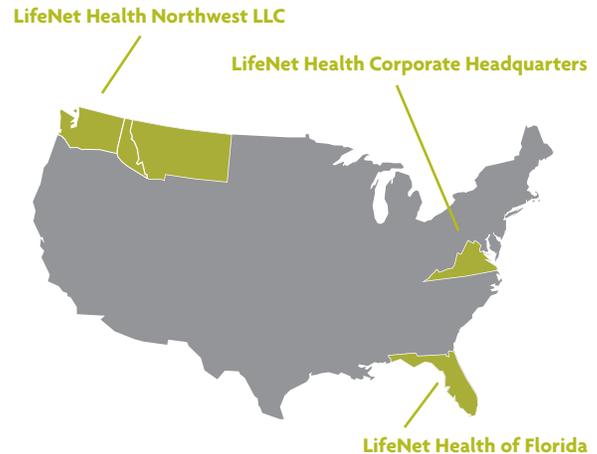
Saving Lives and Restoring Health is Our Business.

Since 1982, LifeNet Health has helped to save lives and restore health for thousands of patients each year. It is the world's most trusted provider of transplant solutions, from organ procurement to new innovations in bio-implant technologies and cellular therapies—a leader in the field of regenerative medicine, while always honoring the donors and healthcare professionals that allow the healing process.

Our full line of allograft bio-implants provides surgeons with the tools they need to improve the lives of patients. Furthermore, we provide exemplary service to clinicians and hospitals by making the finest quality allograft implants easily accessible. With LifeNet Health as your primary bio-implant supplier, you are investing in the best possible value to ensure the well being of your patients and the reputation of your hospital.

Every year LifeNet Health distributes over 400,000 allograft bio-implants to meet the urgent needs of hospitals and patients around the world. Our record of safety is unmatched. And our philosophy is simple: When partnering with a bio-implant supplier, your decision should not be based solely on fee, but rather on the overall value you and your patients expect and deserve.

At LifeNet Health, we deliver that value by excelling in four critical areas:



LifeNet Health Timeline

- 1982 Eastern Virginia Tissue Bank established.
- 1989 Eastern Virginia Tissue Bank becomes LifeNet.
- 1995 Allowash® cleaning technology introduced by LifeNet.
- PAD® Demineralization technology introduced by LifeNet.
- 2000 LifeNet merges with Virginia's Organ Procurement Agency.
- 2001 First VertiGraft® VG2® Cervical spine allograft bio-implant is implanted.
- 2006 LifeNet merges with Florida Tissue Services, Inc. to become LifeNet Health of Florida.
- 2007 LifeNet becomes LifeNet Health.
- Preservon® ambient storage, fully-hydrated preservation technology introduced by LifeNet Health.
- 2008 CardioGraft® Cardiac Patch with Matracell® receives Food & Drug Administration (FDA) clearance.
- Skin & Wound Allograft Institute is established.
- OsteoCleanse® Autograft Cleaning System launched.
- 2009 LifeNet Health Regenerative Medicine Institute established.
- 2010 Record year in LifeNet Health allograft bio-implant distribution (over 300,000).
- ArthroFlex®, DermACELL® and Oracell® decellularized dermis is launched.
- 2012 Northwest Tissue Services merges with LifeNet Health to become LifeNet Health Northwest.

Fresh Osteochondral Grafts

Our Fresh Osteochondral Graft Program is designed to offer a variety of allograft choices for joint reconstruction procedures to repair articular cartilage and subchondral bone defects. These osteochondral bio-implants allow orthopedic surgeons to transplant mature hyaline cartilage with viable chondrocytes and subchondral bone into recipients' damaged articular surfaces.

LifeNet Health ensures the quality and safety of our Fresh Osteochondral Grafts through stringent donor screening, cleansing, processing, and preservation procedures designed to produce safe and high quality allograft bio-implants. We have been an industry leader for over 30 years; developing innovative technologies and providing bio-implants that are proven in more applications than any other.

Unlike most frozen grafts, fresh grafts are customized and require advanced planning due to their short expiration period. Our facility in Renton, Washington, has been processing and distributing Fresh Osteochondral Allograft bio-implants for more than ten years. We are confident in our ability to meet the demands of those physicians seeking allografts of the highest quality for their patients.

Fresh Osteochondral Bio-Implants from LifeNet Health are:

- Aseptically processed from carefully selected donors.
- Cleared via serology and microbial testing through our in-house CLIA Certified Laboratory.
- Provided with detailed dissection sheets and photographs.
- Preserved in a nutrient-rich cell culture media with antibiotics Vancomycin and Gentamicin.
- Placed in clearly labeled packaging with the graft's expiration date.
- Radiographically sized and matched using the recipient's X-rays or MRI films.
- Stored at refrigerated temperatures 1°C to 10°C, NOT Frozen

We offer you knowledgeable service professionals who are committed to providing technical expertise and ongoing, responsive support. We'll also partner with you to help you stay on schedule. **It's all part of the LifeNet Health experience.**



Fresh Osteochondral Grafts

Lower

Order Code	Product Description
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ATL80	Ankle Talus (Left)
ATR80	Ankle Talus (Right)



FCA80	Femoral Condyle Hemi (Left Lateral)
FCB80	Femoral Condyle Hemi (Left Medial)
FCC80	Femoral Condyle Hemi (Right Medial)
FCD80	Femoral Condyle Hemi (Right Lateral)
PCA80	Partial Condyle (Left Lateral)
PCB80	Partial Condyle (Left Medial)
PCC80	Partial Condyle (Right Medial)
PCD80	Partial Condyle (Right Lateral)



FCL80	Femoral Condyle Whole (Left)
FCR80	Femoral Condyle Whole (Right)
FTR80	Femoral Trochlea (Right)
FTL80	Femoral Trochlea (Left)
FTD80	Bi-Compartment (Right Lateral & Trochlea)
FTC80	Bi-Compartment (Right Medial & Trochlea)
FTA80	Bi-Compartment (Left Lateral & Trochlea)
FTB80	Bi-Compartment (Left Medial & Trochlea)



FHL80	Femoral Head (Left)
FHR80	Femoral Head (Right)

PAL80	Patella bone with Attachments (Left)
PAR80	Patella bone with Attachments (Right)



TDL80	Tibia Distal (Left)
TDR80	Tibia Distal (Right)
TFL80	Tibial Plateau with Meniscus (Left)
TFR80	Tibial Plateau with Meniscus (Right)

Upper Extremity

Order Code	Product Description
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HHL80	Humeral Head (Left)
HHR80	Humeral Head (Right)

Special/Custom Grafts

Contact Client Services at 1-888-847-7831 to inquire about custom osteochondral allografts.

Ordering Fresh Osteochondral Grafts

Special Ordering and processing procedures are as follow:

1. The surgeon, hospital, or sales representative contacts LifeNet Health's Client Services at 888-847-7831. The surgeon or hospital receives, completes, and returns the Fresh Osteochondral Graft order form along with MRI or Lateral and A/P X-ray films to LifeNet Health. X-rays must have magnification marker, please see below for more information. Films will be returned upon request after they have been measured for the size specifications needed.

Films and order form can be mailed/faxed to:

LifeNet Health
Attn: Technical Specialist
501 SW 39th Street, Renton, WA 98057
Phone: 1-888-847-7831
Fax: 1-425-981-8986
Email: orders@lifenethealth.org

2. When a suitable match is found; the surgeon, hospital, and sales representatives will be contacted.
3. The surgeon will be provided a dissection description for review, along with any available photographs of the graft and donor information for evaluation and final approval. This form should be signed and returned within 48 hours, or the graft can potentially be offered elsewhere.

4. Once the form is returned, an estimated surgery window will be provided. When all of the donor and processing evaluations are complete and acceptable; the surgeon, hospital, and sales representative will be notified to confirm the surgery date and shipping instructions.
5. Instrumentation will be provided by Arthrex, Inc.

Key points:

- Utilize the LifeNet Health Fresh Osteochondral Graft Order form.
- Have a PO ready, when the graft is available. We cannot ship without a PO.
- Do not schedule the surgery until the graft availability is confirmed.
- The hospital should get insurance approval before placing an order.
- **If an order is filled elsewhere or no longer needed, please contact us so that we can offer the allograft to another surgeon and honor our mission: Saving Lives, Restoring Health.**
- **All Fresh osteochondral bio-implants are shipped on wet ice in a validated 72 hour shipper to arrive by 10:30 am free of charge.**

Matching Fresh Osteochondral Grafts

Matching Fresh Osteochondral Grafts to the recipient is key to the success of the procedure. We collect patient information such as height, weight, age and gender; as well as measurements from their X-ray or MRI films to find the best match possible. We will make an offer on a graft that comes within +/- 3 mm of the measurements taken from the patient's films.

When using pre-operative X-ray films for graft-sizing measurements, a magnification marker must be used in the X-ray. A marker of known size should be utilized in order to properly determine magnification of the X-ray in order to accurately determine the size of the graft the recipient will

need. During the X-ray, the magnification marker should be placed at the level of the bone being examined. For example, use a rubber band to hold the magnification marker along-side the patient's joint versus setting the marker on the table to avoid a skewed reading that will result in incorrect sizing. For Anterior/Posterior (A/P) views, place the marker medially or laterally. For Lateral views, place the marker anteriorly.

LifeNet Health has access to proper magnification markers, and can arrange to have one sent to your facility. Call Client Services at 1-888-847-7831 with any questions or to have a magnification marker shipped to you.

Fresh Osteochondral Graft CPT® Coding Guide

This information is provided as a general coding guide and is not intended to increase or maximize reimbursement by any payer. It is the provider's responsibility to determine the appropriate codes and modifiers to be submitted.

Allograft OATS – Knee

CPT Code ¹	Description
27415	Osteochondral allograft, knee, open
29867	Osteochondral allograft (e.g. mosaicplasty)
27599*	Unlisted procedure, femur or knee

ICD-9 Procedure²

81.47	Other repair of knee
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ICD-9 Diagnosis²

715.16	Primary localized osteoarthritis, lower leg
715.26	Secondary localized osteoarthritis, lower leg
732.7	Osteochondritis dissecans
733.90	Disorder of bone and cartilage; unspecified
719.46	Knee pain

Allograft OATS – Ankle

CPT Code ¹	Description
27899*	Unlisted Procedure, Leg or Ankle

*Unlisted procedure codes do not have established fees. You will need to submit an operative report with the claim and code.

Other

Modifiers¹

Modifiers may be added to the end of a CPT code. They can be used to cover the added services of processing and inserting the allograft.

-22 Unusual Procedural Services

-51 Multiple Procedures

HCPCS Code¹

890 Other donor bank, general

Some surgery departments use this revenue code to bill for facility costs of the procedure, as well as acquisition of the allograft.

DISCLAIMER: The coding information provided above has not been verified with any entity responsible for coding policy, such as the AMA, the ICD 9 Committee, or any payer. As such, all codes provided herein are for illustrative purposes only and shall not be constituted as a warranty, statement, promise or guarantee that these codes are accurate or that the product will be covered in all instances. Coding practice will vary by site of care, patient condition, range of services provided, local payer instructions, and other factors. The decision as to how to complete a reimbursement claim form, including codes and amounts to bill, is exclusively the responsibility of the provider. Coding requirements are subject to change at any time, check with your local payer regularly. Current Procedural Terminology (CPT) is a registered trademark of the American Medical Association (AMA).

¹CPT 2013 Professional Edition, 2011, American Medical Association

²ICD-9-CM Official Guidelines for Coding and Reporting.

LifeNet Health and Arthrex

helping people to

Live On+



Jay

Live On+ is LifeNet Health's way to honor those that have made the selfless choice of donation as well as to share the inspirational stories of those that have been affected by those donated gifts.

See Jay's story – and the stories of other recipients and donor families – by visiting [YouTube.com/LNHealth](https://www.youtube.com/LNHealth)

Jay received a tissue donation that enabled him to continue to spend quality time with his daughter – something that he had resigned himself to never be able to do again.

Ordering LifeNet Health Allograft Bio-Implants

Health care facilities, approved distributors and authorized tissue dispensing intermediaries are permitted to order allograft bio-implants from LifeNet Health. Only licensed clinical professionals may actually transplant tissue.

Orders may be placed by e-mail, phone and/or fax or e-mail at orders@lifenethealth.org. A valid purchase order number must be provided for all orders. All phone calls to LifeNet Health's Client Services department are recorded for quality control purposes.

Title to LifeNet Health products passes from LifeNet Health to the customer once the shipment leaves our facility.

Free Next-Day Delivery

All Fresh Osteochondral Bio-Implants are shipped on wet ice in a validated 72 hour shipper overnight to arrive by 10:30 am free of charge (UPS or FedEx). Any Fresh grafts shipped by special courier may incur additional charges.

Early AM Delivery

LifeNet Health requires a \$35.00 surcharge for any Early AM (before 10:30 am) shipment. Special delivery requests utilizes courier will incur additional charges.

Storage Requirements

Grafts must be stored at 1°C to 10°C, in a refrigerator.

DO NOT FREEZE.

Return Policy

Due to their short expiration period, Fresh grafts are non-returnable. Please refer to the LifeNet Health Return Policy or contact your LifeNet Health Client Services Representative at 1-888-847-7831 for additional information.

Payment Terms and Conditions

Payments are due 30 days from the invoice date unless otherwise stated. Payments are due in US dollar only. Allowable forms of payment are: Company Check, Visa/MasterCard, ACH, or wire transfer. Account statements are sent monthly to all accounts as a reminder of outstanding payments due. For any payment questions or information please call 1-757-464-4761 ext. 4444 or e-mail at: accountsreceivable@lifenethealth.org

Please Mail All Payments To:

LifeNet Health
P.O. Box 79636
Baltimore, MD 21279-0636

LifeNet Health Vendor Information

Company:

LifeNet Health, Inc.
Address: 1864 Concert Drive
Virginia Beach, VA 23453

Toll Free Phone: 888-847-7831, option 6
1-757-464-4761 ext. 2000 (OUS)

Toll Free Fax: 888-847-7832
1-757-301-6579 (OUS)

Email: orders@lifenethealth.org

Summary Of LifeNet Health Accreditations/Certifications

- ✓ AATB ACCREDITATION
- ✓ FDA REGISTRATION
- ✓ UNOS MEMBER
- ✓ AOPO MEMBER
- ✓ ISO 13485 CERTIFIED
- ✓ CLIA CERTIFIED
- ✓ LICENSED IN REQUIRED STATES
- ✓ HEALTH CANADA CTO
10038 & 100001

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1864 Concert Drive
Virginia Beach, VA 23453
1-888-847-7831 (US & Canada)
1-757-464-4761 ext. 2000 (OUS)

www.AccessLifeNetHealth.org

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