



AlloSource[®]



DOING MORE WITH LIFE.

**Todd Huft Sports Medicine
Optimization Manager**

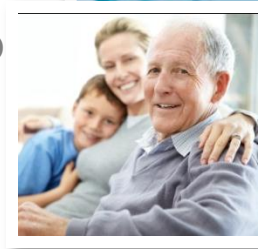
A VISION & MISSION FOR DOING MORE WITH LIFE

VISION

AlloSource will be the trusted and preferred provider of safe, quality allograft tissue for the communities we serve

MISSION

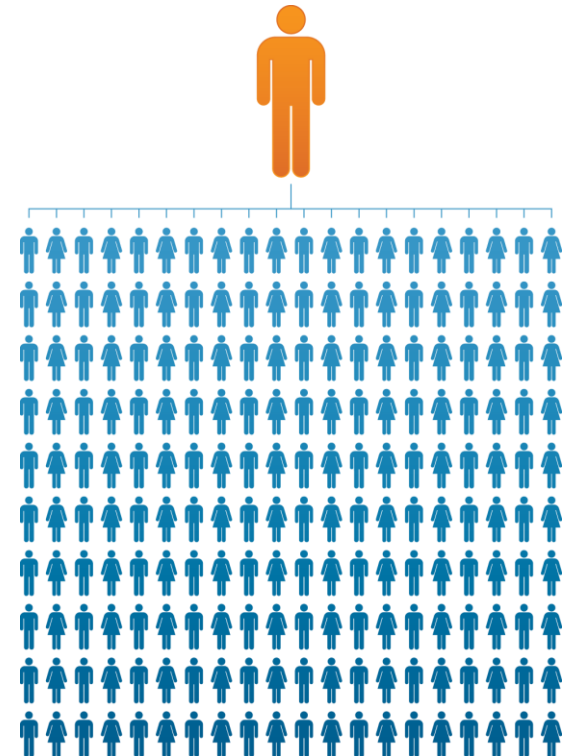
Honoring the gift of donation, AlloSource responsibly develops, processes and distributes life saving and life-enhancing human tissue for our communities



THE NEED FOR DOING MORE WITH LIFE

SOME FACTS ABOUT TISSUE DONATION

- Each year, life-saving and life-enhancing tissue is provided by approximately 30,000 tissue donors
- Just one tissue donor can enhance the lives of more than 200 people
- Approximately 1.5 million allografts are transplanted each year for a variety of life-saving and life-enhancing surgeries



A COMPANY DOING MORE WITH LIFE

ALLOSOURCE IS ONE OF THE LARGEST, MOST RESPECTED TISSUE BANKS IN THE U.S.

- Non-profit organization
- 400+ employees
- Multi-shift, 365-day processing
- 15 + years in operation
- 3 buildings in Centennial, Colorado



HISTORY OF ALLOSOURCE

Mile High Transplant Center (Donor Alliance) builds facility for excess tissue

New (Current) Management Team Relocation to new facility Contract Manufacturing Fresh Graft Program

AlloSource expands R&D, new business development to expand the gift: Osteocel, AlloStem, AlloWrap, AlloSkin

1992

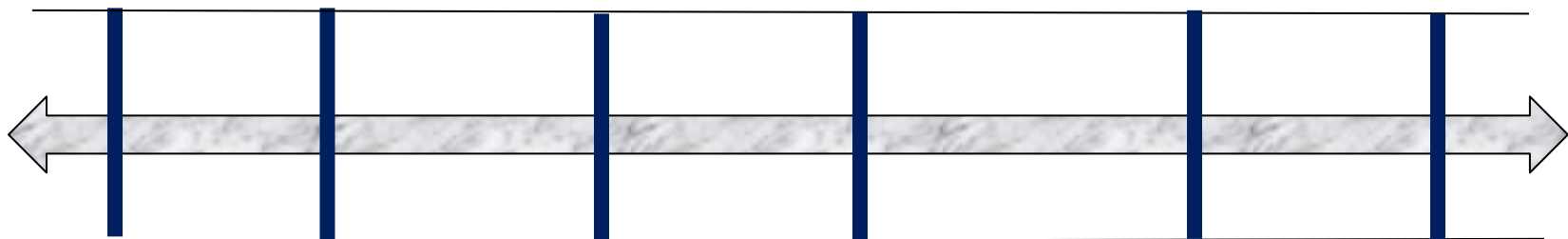
1994

2000 - 2004

2005 - 2008

2008 - 2009

2012



Donor Alliance (Denver), ROBI/Gift of Hope (Chicago) and Mid-America Transplant Services (St. Louis) form AlloSource

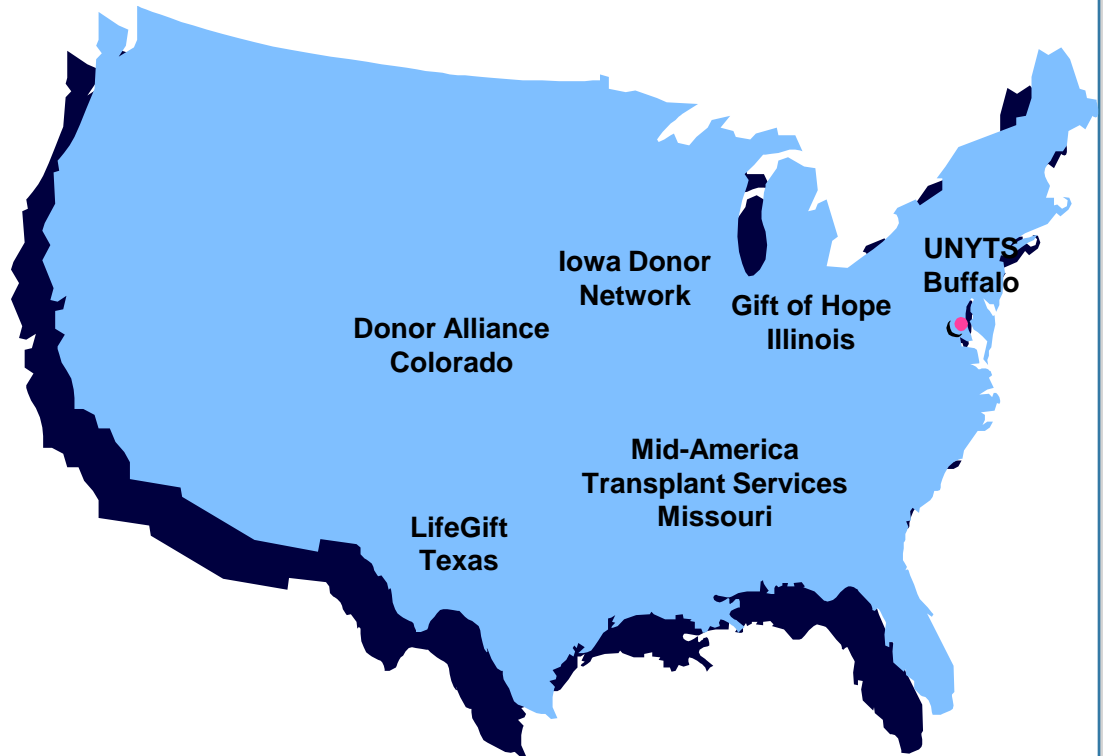
USTC Acquisition enables Skin Program. LABS Acquisition. (2) New OPO partners: Buffalo (UNYTS) and Iowa (IDN)

New OPO members Life Gift. 80,000 square foot expansion

A COMPANY DOING MORE WITH LIFE

ALLOSOURCE STRUCTURE

- Cooperative with dedicated corporate members OPO's
- Small pool of OPO recovery partners
- Long-term relationships
- AATB Members
- Recovery training programs
- Hands-on donor services team
- Medical Director releases for every donor



INDUSTRY LEADER IN ALLOGRAFT TRANSPLANTATION

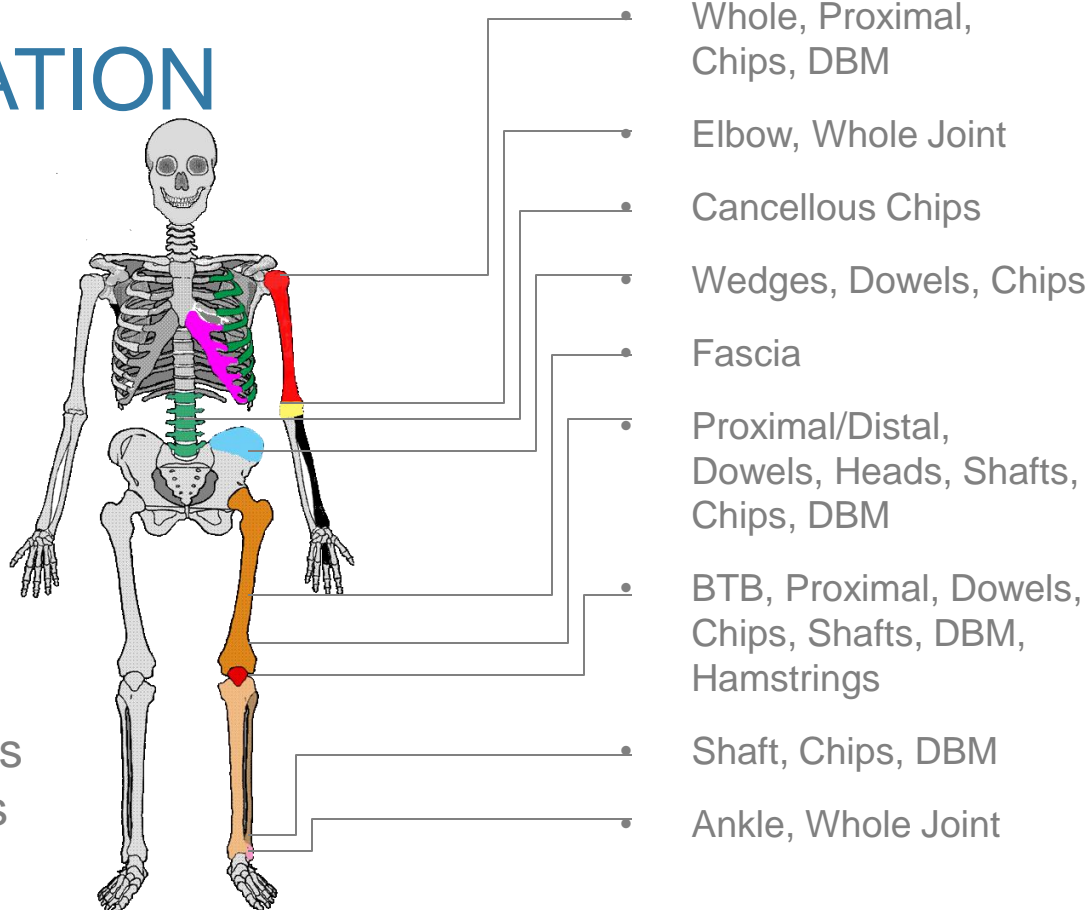
WE HONOR EVERY
GIFT OF DONATION
BY MAXIMIZING ITS
MEDICAL
IMPACT



PRODUCTS FOR DOING MORE WITH LIFE

GRAFT GENERATION BY TISSUE TYPE

Partial thickness
& full thickness
skin



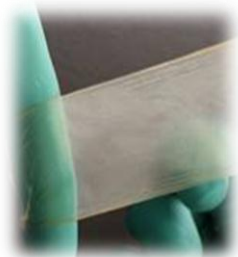
OUR COMMITMENT – DOING MORE WITH LIFE



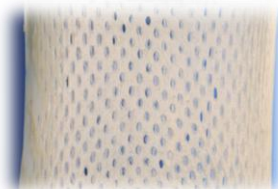
Putty from Bone



Tendons for ACL Repair



Amniotic Tissue



Allograft skin for burns & wounds



Adipose-Derived Stem Cells



Cancellous Cubes from Bone



Machine Grafts for Spine

BONE CAN ACTUALLY BE FORMED INTO A PUTTY

A LEADING PROVIDER OF OSTEOBIOLOGIC AND DEMINERALIZED BONE MATRIX (DBM) PRODUCTS

- Help stimulate natural bone formation by creating a framework into which host cells migrate
- Resulting in the potential for improved outcomes for patients

AlloFuse® DBM Putty and
AlloFuse® Plus DBM Putty



AlloFuse® DBM Gel
AlloFuse® Plus DBM Paste

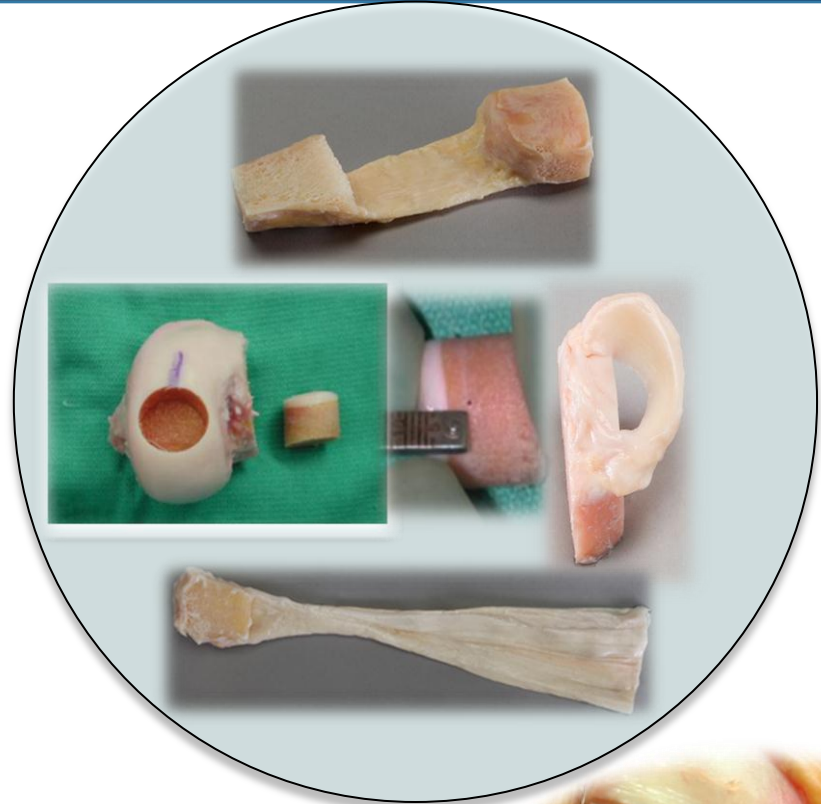


EXTRAORDINARY USES WITH DONOR BONE

BONE SHAPED INTO SPECIFIC FORMS
TO AID IN FUSION OF THE CERVICAL
AND LUMBAR SPINE TO ALLEVIATE
PAIN CAUSED BY DISEASE STATES



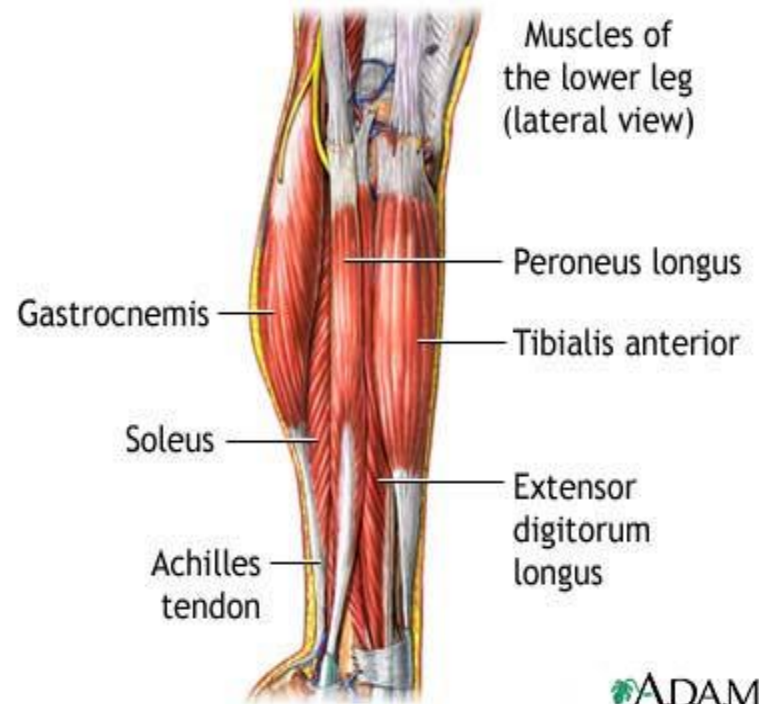
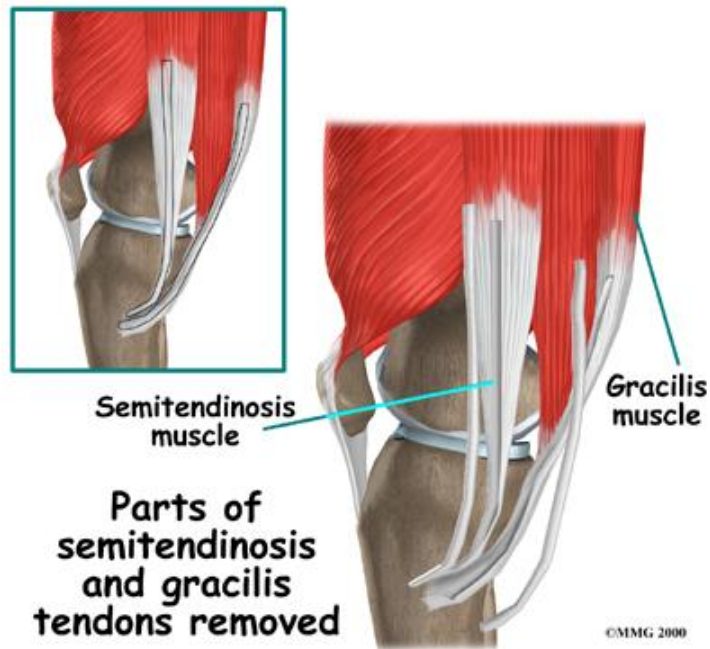
AS MANY AS 14 TENDONS FROM ONE DONOR



SPORTS MEDICINE:
TENDONS, MENISCUS AND
CARTILAGE TO REPLACE TISSUES

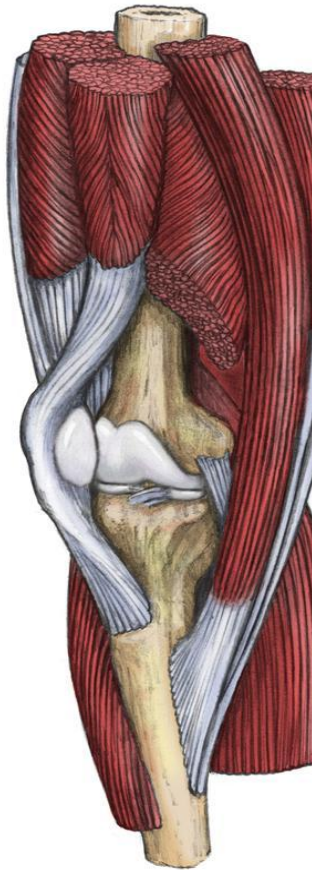


ALLOGRAFT TENDONS USED FOR ACL

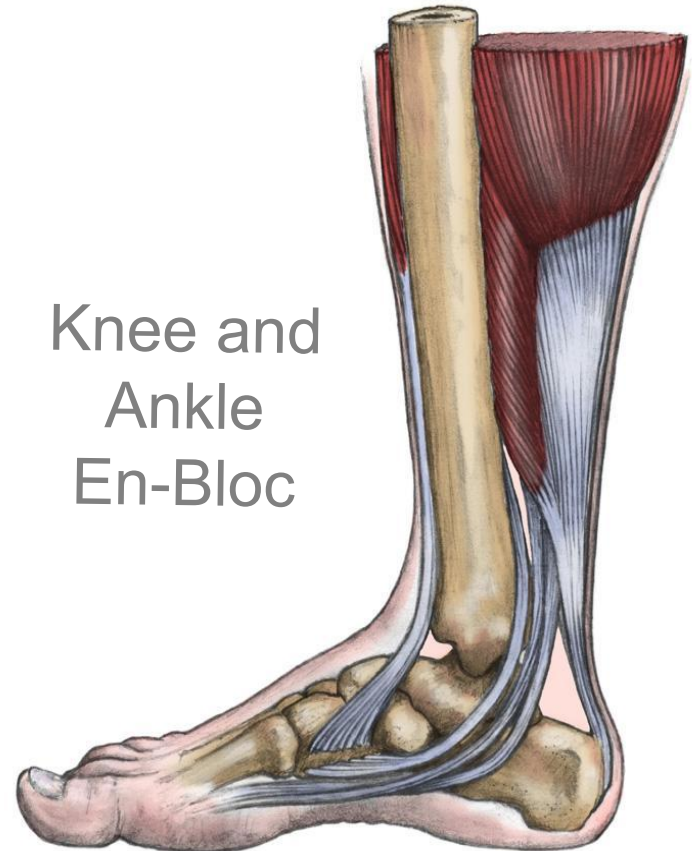


JOINT RESTORATION – FRESH ALLOGRAFTS

- Articular cartilage refrigerated to optimize cartilage cell viability
- Graft types can include any type or size of articular cartilage from any joint in the body
- Joint Restoration Tissues generally transplanted day 15 from recovery



Knee and
Ankle
En-Bloc



THE MOST LIVING SAVING TISSUE: SKIN

THE GOLD STANDARD IN BURN TREATMENT

- AlloSource provides burn skin to 60% of all the burn centers in the US
- Allograft skin is truly life-saving for burn patients



TAMPA GENERAL – BURN UNIT



- Regional Burn Trauma unit for Haitian evacuees
- AlloSource has sent 131 sq ft of skin
- 39 donors of Donor Alliance skin sent to save patient lives!

ALLOGRAFT PROCESSING

- Processing Human tissue: Clean cut and shape tissue into allografts.
- Donor tissue is processed in ISO 5 processing suites within the clean room.



ALLOGRAFT PROCESSING

- Sterile equipment is utilized for processing tissue.
- Technicians dawn sterile garments and utilize aseptic technique.



ALLOTRUE PROCESS

- AlloTrue: automated cleansing of bone and tissue in a closed system.
- The system contains motion to completely expose the tissue to the reagents and ultrasonication to facilitate removal of blood and lipids.
 - For bone allografts: Hydrogen peroxide, antibiotic solutions and sterile water are infused into the canister to remove blood and lipids, disinfect and clean the bone grafts.
 - For soft tissues: Antibiotic and sterile water solutions are infused into the canister to remove blood and lipids and disinfect the tissue grafts.



ALLOGRAFT FINAL PACKAGING

- After the allografts have been run through the AlloTrue process, each allograft is evaluated, measured, cultured and packaged.
- Fluid extraction culturing methodology is utilized.



STERILIZATION OF ALLOGRAFT TISSUE

- Bone and tissue allografts are exposed to low dose gamma irradiation at low temperatures
- Low dose gamma: 0.9-1.2 mRad.
- Cold temperatures: -40 C
 - Sterilize allografts without denaturing proteins.
 - Cold temperatures to avoid free radical formation during sterilization.

FOR MORE INFORMATION: ALLOGRAFTPOSSIBILITIES.ORG

Allograft Possibilities

THE PREMIER WEB SOURCE ON TISSUE
DONATION AND TRANSPLANTATION

Recipient and Donor Stories

About Tissue Transplant

Donation News

OPO Resources

SHARE YOUR STORY

Are you a tissue transplant recipient? Share your individual story in this forum to help others understand donation and its possibilities.

Or, if you are a family member of a transplant recipient, share the story of your loved one's journey and their brave choice to give the gift of life.

COLORADO WOMAN RETURNS TO OUTDOOR PASSIONS FOLLOWING BONE GRAFT TRANSPLANT | NOVEMBER 29, 2011



At 77 years old, Jane Przedpelski describes herself as "happily active." A Colorado resident, she finds pleasure in camping,

hiking in the mountains and the desert with her family, and subsequent broken leg

ASK A QUESTION

Do you have a question about tissue donation or tissue transplant?

We would be happy to answer it on the blog.



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