

ONEX oncology and sarcoma service

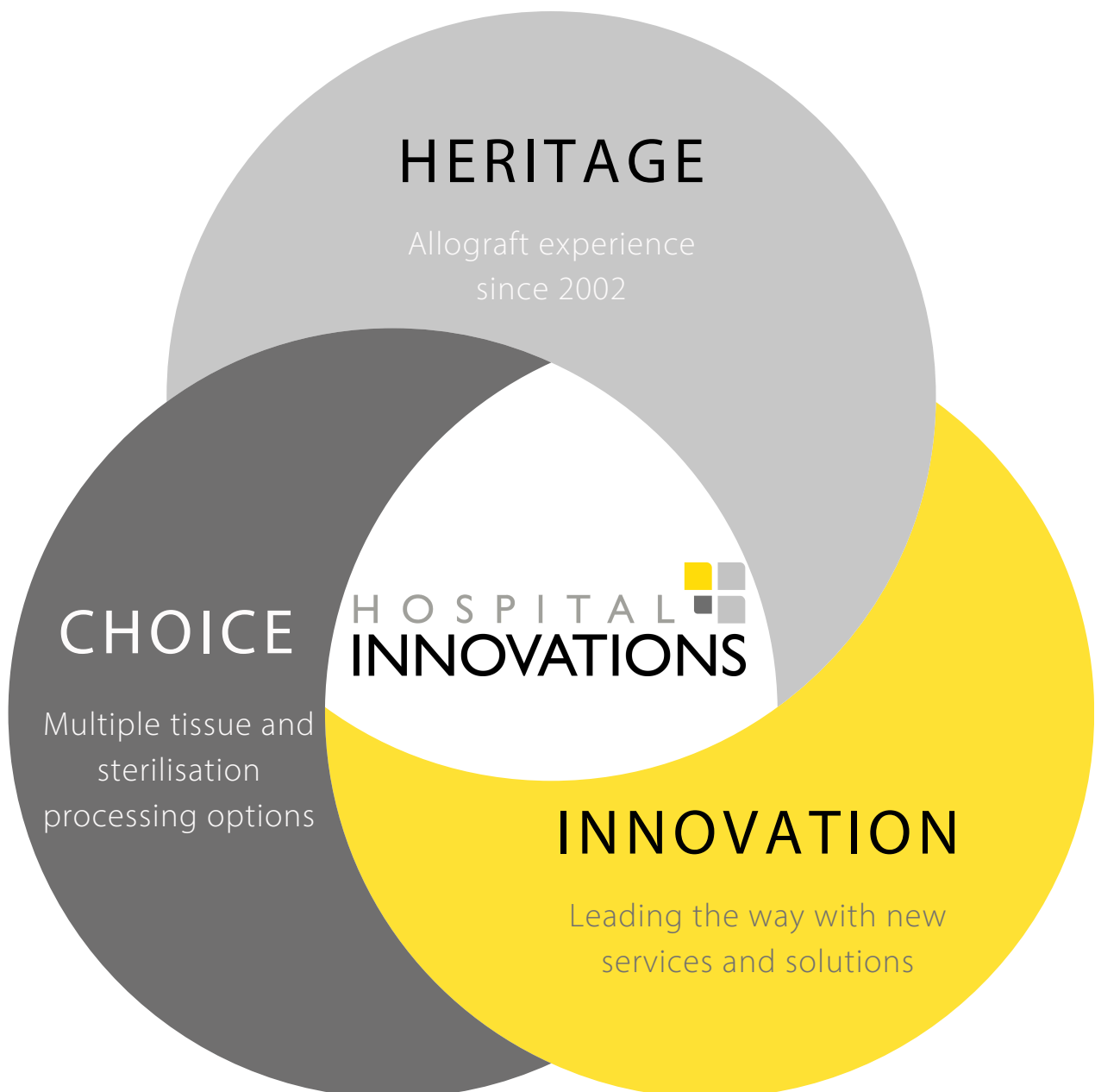
Hospital Innovations' oncology and sarcoma service focuses on providing precisely matched allograft bone products to treat limbs affected by malignant bone tumours. Our team work in close collaboration with you and your staff to ensure swift and efficient graft matching.



CHOOSE

HOSPITAL INNOVATIONS

Since 2008, Hospital Innovations has been supplying a growing range of specialist products for use in orthopaedic and corrective surgery. We are a Human Tissue Authority (HTA) licensed establishment, working in partnership with five of the world's leading tissue banks.





Our Tissue Bank Partners



LifeNet Health® is a non-profit global leader in regenerative medicine and the world's largest provider of allograft bio-implants and organs for transplantation. Since 1982, LifeNet Health® has helped to save lives, restore health and give hope to thousands of patients each year. It is the world's most trusted provider of transplant solutions, from organ procurement to new innovations to 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.



Solvita, previously 'Community Tissue Services®', is a quality ethical provider of services to donor families, medical communities, recipients and community partners. Through recovery, processing and distribution of tissue grafts, Solvita strives to be on the forefront of new graft development and biotechnology to better serve recipients and medical professionals.








Evergen, previously 'RTI Surgical' is a global, industry-leading surgical implant supplier that provides design, new product development, processing and manufacturing services in support of patients and leading medical technology companies. With expertise spanning tissue, biologics and metals, we serve OEM partners across a diverse set of market segments, including but not limited to, Dental, Plastic and Reconstructive Surgery, Sports Medicine, Spine, Trauma and Urology/ Urogynecology. Evergens headquarters are in Alachua, FL. and is accredited in the U.S. by the American Association of Tissue Banks.



| Large Segmental Grafts







Note: All large segmental bone grafts are supplied frozen

Femur

Product Description		Tissue Bank
Whole Femur with Head, Left or Right		LifeNet Health® Solvita Evergen
Whole Femur without Head, Left or Right		Solvita
Proximal Femur with Head, Left or Right		LifeNet Health® Solvita Evergen
Proximal Femur without Head, Left or Right		LifeNet Health® Solvita
Distal Femur, Left or Right		LifeNet Health® Solvita Evergen



Tibia & Fibula

Product Description		Tissue Bank
Whole Tibia, Left or Right		LifeNet Health® Solvita Evergen
Proximal Tibia, Left or Right <small>*Also available with Patella Ligament and with Tuberosity</small>		LifeNet Health® Solvita Evergen
Distal Tibia, Left or Right		LifeNet Health® Solvita Evergen
Whole Fibula, Left or Right		Solvita Evergen
Proximal Fibula, Left or Right		Solvita
Distal Fibula, Left or Right		Solvita



Humeru

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Product

Description

Tissue Bank

Whole Humerus, Left or Right



LifeNet Health®
Solvita
Evergen

Proximal Humerus, Left or Right



LifeNet Health®
Solvita
Evergen






Distal Humerus, Left or Right



Solvita
Evergen



Radius & Ulna

Product Description		Tissue Bank
Whole Radius, Left or Right		LifeNet Health® Solvita Evergen
Proximal Radius, Left or Right		Solvita
Distal Radius, Left or Right		Solvita
Whole Ulna, Left or Right *Also available with Extensor		LifeNet Health® Solvita Evergen
Proximal Ulna, Left or Right		Solvita



| Intercalary Shafts

Femoral

Product Description		Preservation	Tissue Bank
Femoral Shaft		Freeze-dried Frozen Preservon®	LifeNet Health® Solvita Evergen
Hemi Femoral Shaft		Freeze-dried Frozen	Solvita

Humeral

Product Description		Preservation	Tissue Bank
Humeral Shaft		Freeze-dried Frozen	LifeNet Health® Solvita Evergen



Tibia

Product Description		Preservation	Tissue Bank
Tibial Shaft		n	
		Freeze-dried Frozen	LifeNet Health® Solvita Evergen

Fibula



Product Description		Preservation	Tissue Bank
Fibular Shaft		n	
		Freeze-dried Frozen Preservon®	LifeNet Health® Solvita Evergen



| Heads & Condyles

Note: All heads and condyle grafts are supplied frozen

Femoral & Humeral

Product Description		Tissue Bank
Femoral Head		LifeNet Health® Solvita
Humeral Head, Left or Right		LifeNet Health® Solvita
Whole Femoral Condyle		LifeNet Health®
Hemi Femoral Condyle		LifeNet Health®



Tibia

Product	Tissue Bank	
Description		Evergen
Distal Tibial Condyle		

Cortical Struts

Femora

Product	Preservatio	Tissue Bank
Description	n	
Femoral Cortical Strut	Freeze-dried Frozen	LifeNet Health® Solvita
		

Tibia

Product	Preservatio	Tissue Bank
Description	n	
Tibial Cortical Strut	Freeze-dried Frozen	LifeNet Health® Solvita
		



Cancellous Chips

Cont'd




Product			Preservatio	Tissue Bank
Description			n	
1 - 4mm	5cc		Freeze-dried Frozen Preservon®	LifeNet Health® Solvita
	15cc			
	20cc			
	30cc			
	40cc			
	60cc			
	80cc			
	90cc			
1 - 8mm	5cc		Freeze-dried Frozen Preservon®	LifeNet Health® Solvita
	10cc			
	15cc			
	20cc			
	30cc			
	40cc			
	60cc			
	80cc			
	90cc			
1 - 10mm	160cc			
	5cc		Freeze-dried Frozen	Solvita
	7.5cc			
	10cc			
	15cc			
	30cc			
	60cc			
	90cc			
	120cc			
	180cc			



Cancellous Chips Cont'd



Product Description			Preservation	Tissue Bank
4 - 10mm	15cc		Freeze-dried Frozen Preservon®	LifeNet Health® Solvita
	30cc			
	60cc			
	90cc			
	120cc			

Cortical/Cancellous Chips

Product Description			Preservation	Tissue Bank
1 - 4mm	15cc		Freeze-dried Preservon®	LifeNet Health® Solvita
	30cc			
	60cc			
	90cc			
1 - 8mm	10cc		Freeze-dried Preservon®	LifeNet Health®
	15cc			
	20cc			
	30cc			
	40cc			
	60cc			
	90cc			
4 - 10mm	15cc		Freeze-dried	Solvita
	30cc			
	60cc			
	90cc			




Cancellous Cubes & Blocks

Product Description			Preservation	Tissue Bank
Cubes	5cc		Freeze-dried Preservon®	LifeNet Health® Solvita
	7.5cc			
	15cc			
	20cc			
	30cc			
	60cc			
	40cc			
	90cc			
Block	20x20x30mm		Freeze-dried Preservon®	LifeNet Health®



Osteobiologics

Demineralised Bone

Product Description			Preservation	Tissue Bank
ReadiGRAFT BLX DBM Putty *Also available with inclusion of Cancellous Chips	0.5cc		Ambient	LifeNet Health®
	1cc			
	2.5cc			
	5cc			
	10cc			
Maxxeus™ DBM Putty	1cc		Ambient	Solvita
	2.5cc			
	5cc			
	10cc			

Fibres

Product Description			Preservation	Tissue Bank
PliaFX® Pak	1cc		Ambient	LifeNet Health®
	2.5cc			
	5cc			
	10cc			
	20cc			
	30cc			
PliaFX® Prime Maxxeus™ DBM Fibres	0.5cc		Ambient	LifeNet Health® Solvita
	1cc			
	2.5cc			
	5cc			
	10cc			



Graft Processing and Sterilisation

Allowash®

The Allowash® process encompasses a comprehensive and validated process during which greater than 99% of bone marrow and blood elements are removed from the internal tissue matrix. This step along with a subsequent chemical sterilant treatment have been shown to substantially reduce bacterial and fungal bioburden and inactivate enveloped and non-enveloped viruses.

Allowash XG®

Allowash XG® utilises the Allowash® process with the addition of terminally administered low-dose, low-temperature irradiation; sterilising tissue to a Sterility Assurance Level of 10^{-6} without compromising the biomechanical or biochemical properties of the tissue.

Aseptic

Aseptic processing minimises the chance that donor tissue can be contaminated during preparation. It involves specific, validated protocols which include mechanically agitating the tissue to remove blood, lipids and cells; cleaning them with detergents, antibiotics, antifungals or chemical disinfectants; and cutting/ shaping them in a clean room. While aseptically processed allografts are prepared and tested in ways which reduce microorganism presence, aseptic processing cannot be labelled sterile and can only yield a Sterility Assurance Level of 10^{-3} .

BioCleanse®

The BioCleanse® Tissue Sterilisation Process is a validated, fully automated chemical and mechanical sterilisation process that achieves a 12-log reduction of bacteria, fungi and spores and inactivates viruses in bone and soft tissue allograft. This process sterilises tissue to a Sterility Assurance Level of 10^{-6} without augmentation of irradiation.

Cancell® SP

The Cancell® SP Process is a proprietary process that sterilises DBM while simultaneously allowing it to maintain its osteoinductive potential. Through a combination of oxidative treatments and acid or alcohol washes, debris is removed and pathogens are inactivated. Cleansing rinses remove residual chemicals, maintaining biocompatibility. Low temperature, low dose gamma irradiation preserves the utility of the graft. A final irradiation dose is applied terminally to achieve a Sterility Assurance Level of 10^{-6} .

Electron Beam

The E-Beam process utilises electrons in order to disrupt the strands of DNA within the tissue, resulting in graft sterilisation in a matter of seconds to a Sterility Assurance Level of 10^{-6} without the use of gamma irradiation.

Low-dose Gamma Irradiation

Low-dose gamma irradiation achieves a Sterility Assurance Level of 10^{-6} utilising a radiation dose of 1.1 - 1.5 mrad administered at ultra low temperatures after the bioimplants are packaged to preserve the grafts biomechanical integrity.

Matracell®

Matracell® is a patented and validated decellularisation process that renders allograft tissue acellular by removing over 97% of the donor genetic material without compromising the biomechanical or desired biochemical properties of the graft.

PAD®

The PAD® process is a demineralisation technology that provides precise bone demineralisation to achieve the ideal residual calcium level of 1 – 4%. This controlled process protects bone morphogenic proteins while ensuring optimal osteoinductivity.

Preservon®

Preservon® is a proprietary and patented glycerol-based preservation solution that allows tissue to be stored in a fully hydrated state at ambient temperature. This eliminates the need for lengthy rehydration steps and saves valuable theatre time.



Allograft Matching Process

1 Specify

Fill in our allograft matching form with your tissue requirements and submit it either via your local Sales Specialist or to our Customer Service team

2 Match

We will consult with our Tissue Bank partners to provide you with graft options that best match your surgical needs

3 Collaborate

Our team will collaborate and provide you with specific graft specifications to ensure you receive the best possible graft solution

4 Deliver

The graft will be shipped to your required Hospital in one of our validated shipping containers via your preferred delivery service

ONEX

oncology and sarcoma service

HOSPITAL INNOVATIONS

Allograft Matching Form

Hospital Name: Date of Request:
 Surgeon Name: Date of Surgery:
 Patient ID Number:

PATIENT DETAILS

Patient D.O.B: Patient Gender: Male ☐ Female ☐
 Patient Height:ftin Patient Weight:stlbs
 orcm orkgs

Please mark on the diagram below the area being treated: If applicable, please include a sketch of the required graft*:

RIGHT

LEFT

PROXIMAL

DISTAL

GRAFT TYPE

Segmental		Shaft		Strut		Other			
Humerus	<input type="checkbox"/>	Proximal	<input type="checkbox"/>	Humerus	<input type="checkbox"/>	Femur	<input type="checkbox"/>	Whole Ilium	<input type="checkbox"/>
Radius	<input type="checkbox"/>	Distal	<input type="checkbox"/>	Femur	<input type="checkbox"/>	Tibia	<input type="checkbox"/>	Hemi Ilium	<input type="checkbox"/>
Ulna	<input type="checkbox"/>	Whole	<input type="checkbox"/>	Tibia	<input type="checkbox"/>			Talus	<input type="checkbox"/>
Femur	<input type="checkbox"/>			Fibula	<input type="checkbox"/>			Whole Elbow	<input type="checkbox"/>
Tibia	<input type="checkbox"/>							Extensor Mechanism**	<input type="checkbox"/>
Fibula	<input type="checkbox"/>								

GRAFT DIMENSIONS

Min/Max Length: Min.....mm Max.....mm Min/Max Diameter (narrowest point): Min.....mm Max.....mm
 Condyle Measurements (if required): AP Widthmm ML Widthmm

*If you would prefer to provide radiographic images, please send appropriate X-Ray/MRI disc and completed form to the address at the bottom of the form
**for extensor mechanism grafts, please include via email all specific graft dimensions that are required (i.e. quadriceps tendon length, patella tendon length & width)

This form is to be completed and forwarded to Hospital Innovations' Customer Service Team via:
 Email: orders@hospitalinnovations.co.uk or Fax: 01443 719 560
 Hospital Innovations Limited | Concept House | Talbot Green Business Park | Pontyclun | CF72 9FG | 01443 719 555



Why Choose Hospital Innovations?

ESTABLISHED EXPERTISE:

The most established HTA-licensed private tissue bank, offering a comprehensive allograft portfolio since 2008

GLOBAL PARTNERSHIPS:

We partner with four tier-one tissue banks in the USA, ensuring choice and continuity of supply

STERILISATION OPTIONS:

We provide the widest range of sterilisation methods amongst UK tissue banks

PROVEN COMPLIANCE:

Hospital Innovations has successfully passed eight HTA inspections

Speak to your local Business Development Manager, for further information using the details below:

T: 01443 719 555

E: customerservice@hiuk.co.uk

W: www.hospitalinnovations.com

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