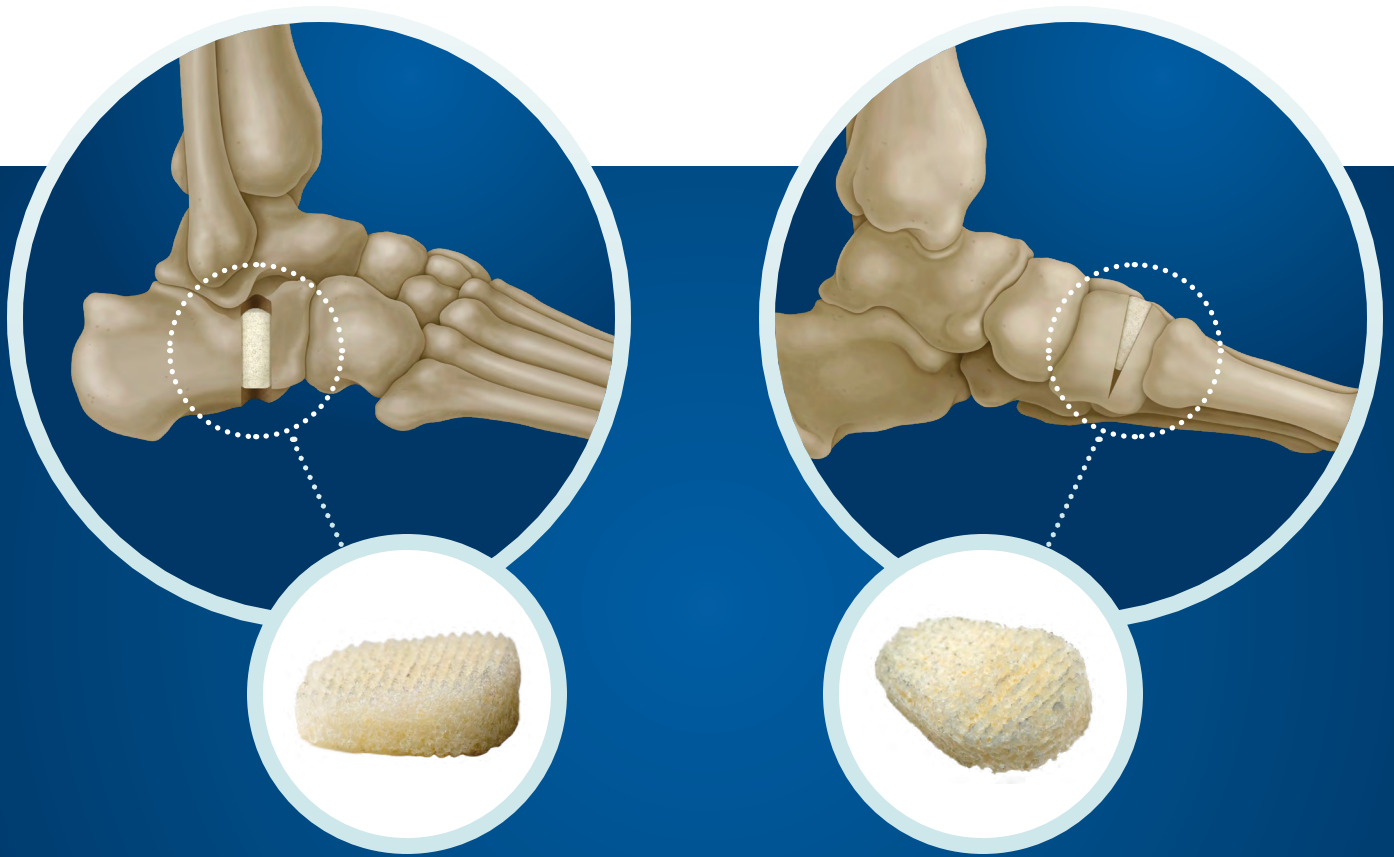


Evans Wedge Osteotomy and Cotton Wedge Osteotomy using

SymALIGN™ Allograft Wedge System

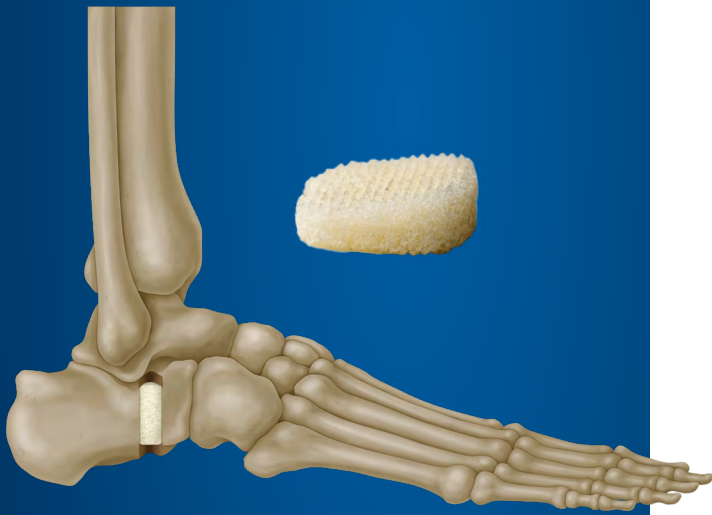


Allograft Osteotomy Wedges

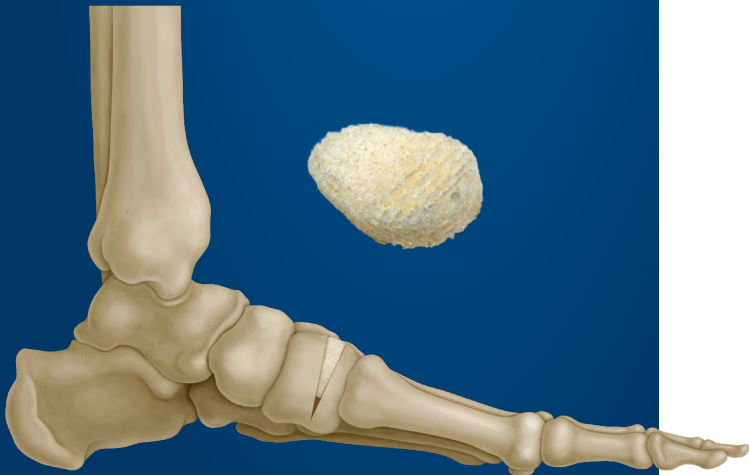
SymALIGN™ Foot

Evans and Cotton Osteotomy Wedge Solutions

SymAlign Evans and Cotton Osteotomy wedges are intended for use in foot procedures. Evans and Cotton allograft wedges are processed and sterilized to a Sterility Assurance Level (SAL) of 10^{-6} using the patented Allowash XG® technology. Preservon®, a patented and validated process developed by LifeNet Health allows for ambient-temperature storage without the need to hydrate the graft. This method of preservation maintains osteoconductive properties and compressive strength when compared to competitive frozen and freeze-dried graft options.¹ The wedges are sourced from cancellous bone from the femoral heads and condyles, talus and calcaneus, which have been determined to have appropriate strength for these procedures.² This, along with specific donor and graft selection criteria, ensures the high density and optimized strength necessary to maintain the deformity correction during impaction as well as throughout the healing/incorporation process.



Evans Wedge Osteotomy



Cotton Wedge Osteotomy



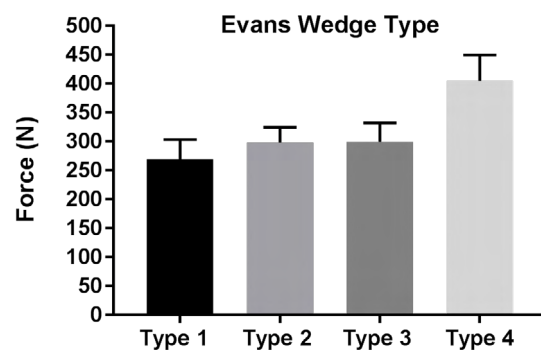
Features & Benefits

- First and only textured allograft foot wedge designed to resist migration³
- Stringent donor and graft selection ensures high density and optimized strength to maintain deformity correction⁴
- Sterility without mechanical compromise protects the graft's inherent osteoconductive properties⁵
- Osteoconductive matrix optimized for cell attachment and proliferation⁶
- Pre-hydrated SymAlign grafts maintain compressive strength and increase intra-operative efficiency¹

and Ankle Allograft Wedges

Unique Textured Design

LifeNet Health has developed the first and only textured allograft foot wedge designed specifically to resist graft migration and subsidence. The patent-pending, unique texturing design has been proven to reduce migration while increasing the coefficient of friction between the graft and the bone at the implant site. Testing showed that almost 135N more force was needed to move the SymAlign wedge (type 4) compared to a non-textured wedge (type 1).⁷



High Density and Optimized Strength

Stringent donor and graft selection ensure high density and optimized strength to maintain deformity correction. SymAlign Cotton and Evans wedges are sourced from dense cancellous found in the femoral head, condyles, talus and calcaneus. These are all areas with trabecular structure that matches those of the cancellous implant sites. Testing results show that SymAlign wedges have the biomechanical strength necessary to support Evans and Cotton osteotomies with average yield loads of 1726N and 1964N.⁷



Osteoconductive Scaffold for Cell Attachment and Proliferation

SymAlign wedges have an osteoconductive matrix optimized for cell attachment and proliferation. The textured surface increases the surface area from 260 mm² to 564 mm². This increase allows for greater area for cellular attachment and increases the force needed for displacement by nearly 50%.⁷

Increased Intra-Operative Efficiency

Our patented preservation technology, Preservon® maintains the biomechanical properties of allografts better than freeze drying bone as it allows for grafts to be stored in a fully hydrated state. This technology allows for increased intra-operative efficiency as the SymAlign wedges are ready to use with no preparation needed.¹

Ancillary Featured Products

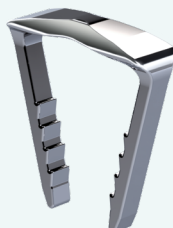
ViviGen® & ViviGen Formable® Cellular Bone Matrix

ViviGen contains viable, lineage committed bone cells within a corticocancellous bone matrix and demineralized bone delivering all of the properties for bone formation.

ViviGen and ViviGen Formable are products of LifeNet Health.



DePuy Synthes Continuous Compression – SPEEDTITAN™ and BME ELITE® Implants



Designed with Nitinol to provide continuous, active compression throughout the healing process.

2.4mm/2.7mm Variable Angle LCP® Forefoot/Midfoot System

Procedure-specific plates for osteotomies, fusions and fractures of the foot.



SymALIGN™ Allograft Wedge System

Implant Size Offerings

Product Code	Height (mm)	Thickness (mm)	Length (mm)	Evans
FA-EVN-1808	18	8	18	
FA-EVN-1810	18	10	18	
FA-EVN-1812	18	12	18	
FA-EVN-2008	20	8	20	
FA-EVN-2010	20	10	20	
FA-EVN-2012	20	12	20	
FA-EVN-2208	22	8	22	
FA-EVN-2210	22	10	22	
FA-EVN-2212	22	12	22	

Product Code	Height (mm)	Thickness (mm)	Length (mm)	Cotton
FA-CTN-1604	14	4.5	16	
FA-CTN-1605	14	5.5	16	
FA-CTN-1606	14	6.5	16	
FA-CTN-2004	14	4.5	20	
FA-CTN-2005	14	5.5	20	
FA-CTN-2006	14	6.5	20	

References

1. Sohoni, P., Morris, A., Balsly, C., Cotter, A., and Sander, T., The Effects of a New Preservation Method on the Biomechanics and Shelf Life of Allograft Bone. *ORS 2011 Annual Meeting*, 2011.
2. Data on file LifeNet Health, ES-17-051
3. Data on file LifeNet Health, ES-17-108
4. Data on file LifeNet Health, ES-18-031
5. Data on file LifeNet Health, 68-20-010
6. Cornell, C. N. & Lane, J. M. Current understanding of osteoconduction in bone regeneration. *Clinical Orthopaedics and Related Research*, 1998; Number 355S pp S267-273.
7. Data on file LifeNet Health, 68-20-198



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