PERIODONTAL ALLOGRAFT BONE

Cortical Allograft Freeze Dried Bone Allograft



Cortical Bone is a compact type of bone tissue that used for supporting volume of bone for such procedures as sinus lift, ridge augmentation, and socket extraction. It provides fine lamellar structure and is effectively remodeled into natural bone. Absorption of cortical particles proceed with revascularization and enlarge canal space is filled with migrated osteoblasts. Then, healthy and strong bone is formed.

Cancellous Allograft Freeze Dried Bone Allograft



The structure of open trabecular of Cancellous particle contains mineral structure and collagen, so that it accelerates cells to be settled and a bone to be remodeled. Also this product creates ideal environment for fast revascularization and remodeling, as a result, healthy bones can be formed.

Cortical vs. Cancellous Allograft

Cortical Allograft
Cancellous Allograft

Volume Enhancement
 $\star\star\star\star\star$ $\star\star\star\star\star$

Space Maintenance
 $\star\star\star\star\star$ $\star\star\star\star\star$

Density
 $\star\star\star\star\star$ $\star\star\star\star\star$



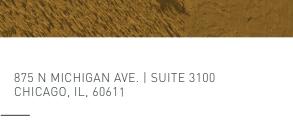
Cortical Bone



Cancellous Bone



Demineralized Cortical Bone



ISO 13485:2016 EC CERT US15/842415

INFO@SPIRALTECH.COM

312.440.7777



BONE ALLOGRAFT

STABILIZE AND STRENGTHEN YOUR IMPLANT SITE

ENGINEERED BY DENTISTS - FOR DENTISTS

CortiOss









CortiOss is 100% freeze-dried allograft cortical bone.

It contains growth factors, other proteins, and minerals and it helps bone regeneration through Osteoconduction with its mechanical strength.

Cortical bone is much denser and harder compare to cancellous bone and its mechanical strength provides excellent structural maintenance.

Characteristics

- · High Osteoconductive ability
- · Excellent biocompatibility
- · Quick hydration
- · Strict securing system for safety
- · Long shelf life (Five years)

Application

- · Ridge Augmentation
- · Socket Preservation
- · Periodontal Defects

· Sinus Grafting

· Grafting for implant placement



Cross Section Image of Cortical Bone



Cortical Bone Powder



Cortical Bone Chip

Specification

NAME	TYPE	PARTICLE SIZE	SIZE	NAME	TYPE	PARTICLE SIZE	SIZE
Corti Oss	Powder	200- 850μm	0.25cc		Chip	850- 1500μm	0.25cc
			0.5cc	Corti Oss			0.5cc
			1.0cc	Oss			1.0cc
			2.0cc				2.0cc

CortiOss-D is composed of 100% demineralized cortical bone.

Demineralization increases the osteoinductive ability because growth factors such as BMP becomes viable and induce mesenchymal cells to differentiate into osteoblast.

With lyophilization technology, CortiOss-D now has the increased shelf life. It can also be rehydrated with patient's blood or saline solution.

Characteristics

- · Demineralized Cortical Bone
- · Excellent biocompatibility
- · Quick hydration
- · High Osteoinductive ability
- · Strict securing system for safety
- · Long shelf life (Five years)

Application

- · Ridge Augmentation
- · Socket Preservation
- · Periodontal Defects
- · Sinus Grafting
- · Grafting for implant placement



Cross Section Image of Demineralized Cortical Bone



Powder



Cortical Bone Cortical Bone Chip

Specification

	NAME	TYPE	PARTICLE SIZE	SIZE		NAME	TYPE	PARTICL SIZE	E SIZE
			200-	0.25cc		Corti	Chip	850-	0.25c
	Corti	Powder		0.5cc					0.5cc
Corti Oss-D	rowder	850µm	1.0cc		Corti Oss-D	Cilip	1500µm	1.0cc	
			2 Ncc					2 000	

ConiOss is freeze dried bone allograft composed of cortical and cancellous bone.

Optimized porosity of cancellous bone provides the optimal scaffold for bone tissue to migrate and promote intercellular bone growth.

The compactness of the cortical bone is excellent at maintaining structural support as new bone formation occurs.

Characteristics

- · Excellent biocompatibility
- Quick hydration
- · Long shelf life (Five years)
- High Osteoinductive ability
- Strict securing system for safety

Application

- Ridge Augmentation
- Socket Preservation Periodontal Defects
- Sinus Grafting
- Grafting for implant placement



Cross Section Image of Cortical Bone



Cross Section Image of Cancellous Bone



Cortical Bone Powder

Cortical Bone Chip

Specification

NAME		PARTICLE SIZE			NAME	TYPE	PARTICLE SIZE	SIZE
Coni Oss	Powder	. 200- 850μm	0.25cc 0.5cc	Coni Oss			0.25cc	
			1.0cc		Oss	Chip	850- 1500µm	1.0cc
			2.0cc				2.0cc	