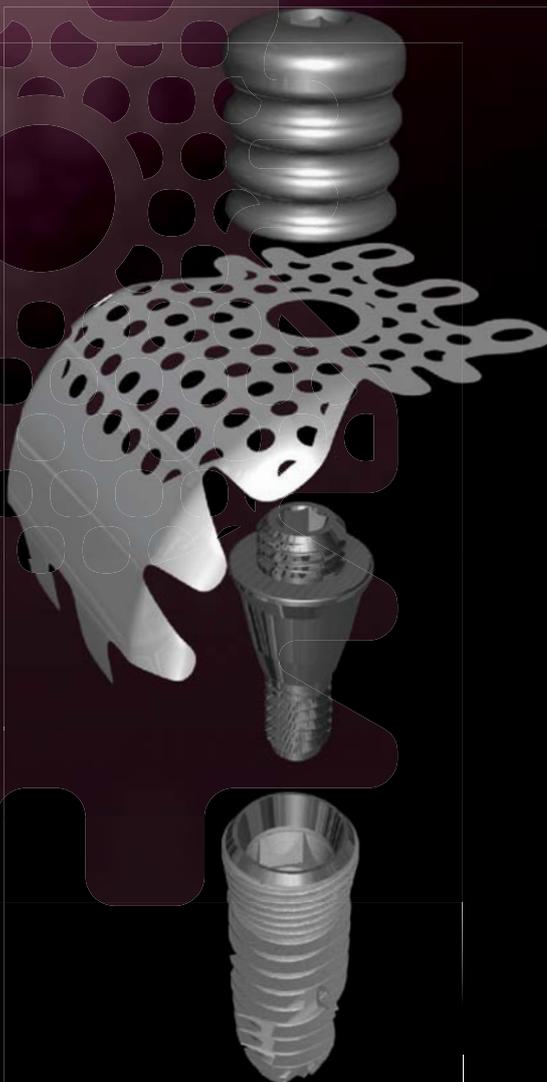


CTi-mem

(Customized Titanium Membrane)



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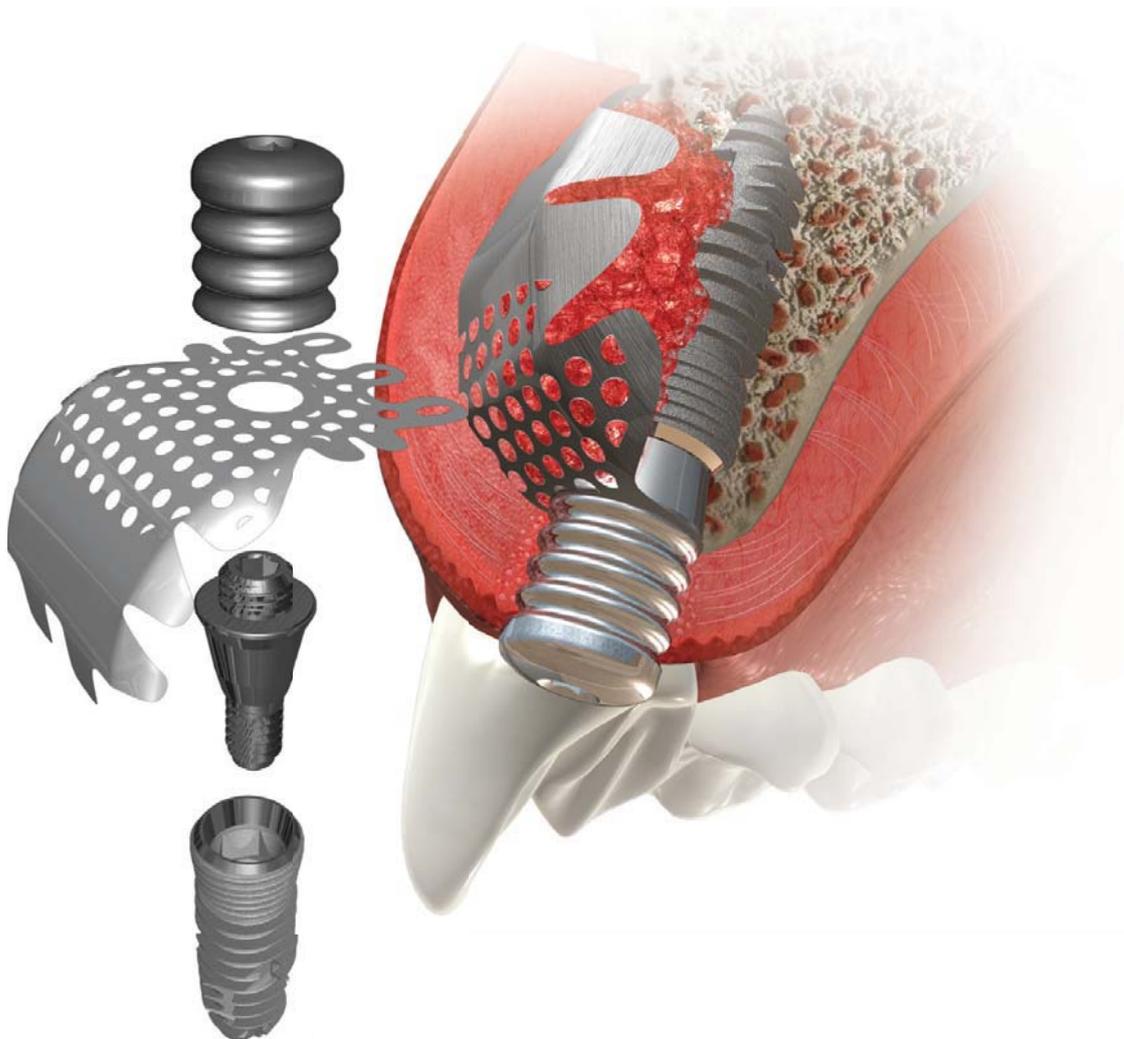
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Introduction



CTi-mem has developed independently by Neobiotech Co., Ltd., Which is the customized titanium membrane with minimum cutting and bending of it for attaching on the location of part used. This product, customized titanium membrane, solved the existed rectangle membrane's own inconvenience of cutting problem.



Introduction

Advantage of CTi-Mem

1. Biocompatibility

Cp. Ti material has an excellent biological stability, and it is beneficial to bone formation.

2. Strong

Compare to absorbable membrane, it has a superior strength and excellent retention of BMP space.

3. Flexibility

Has an excellent flexibility due to the thinness, and it can easily produce a desired shape.

4. Customized shape

Depending on the location, it provides variety sizes of membrane that are suitable for treatment use. Membrane with a minimum of trimming can be made into the shape you want.

5. Implant fixation

Even without the use of membrane fixing screw, it can be fixed directly to Implant.

6. Vertical Augmentation

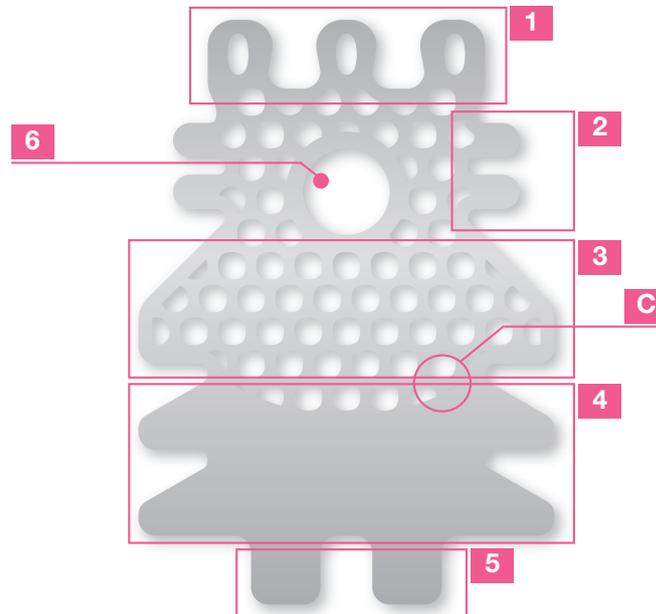
Vertical Augmentation is adjustable with using 1mm, 1.5mm, 2mm of CTi Spacer.

7. 1-stage Surgery

After completing GBR, the CTi-Mem can be easily removed without having 2-stage surgery.

Introduction

CTi-mem Characteristic



1 Lingual finger

Main function is to maintain the efficient space by covering the 2~3mm of lingual defect with easy bending. Simple cutting if necessary.

2 Proximal finger

Necessary when vertical augmentation of Misial&distal defect, shape formation available with easy bending. Cut the unnecessary part After measure the width of proximal.

3 Lateral augmentation part

- Put the C part as the centre and bending of a curved for 2~3mm thick side bone formation.
- Bending the side extrusion inwards in order to protect bone transplant and form the space. Porous exists to minimize the soft tissue exposure.

4 Lateral cover

- Cover part of side transplant bone materials. Choose the size depends on defect length.
- Three dimensional bending available, no porous exists to be able to remove the CTi-mem with simple 2nd surgery.

5 Foot

Protect the transplant material as bending inwards, have membrane fixation by contacting the existing bone.

6 Fixing hole

The hole formed to fix the CTi-mem to fixture. Firstly connect the CTi Spacer to fixture, lift up the CTi-mem and then fix with the CTi Healing Abutment or CTi Cover Cap. Vertical bone formation can be decided depends on CTi Spacer height.

CTi-mem Selection

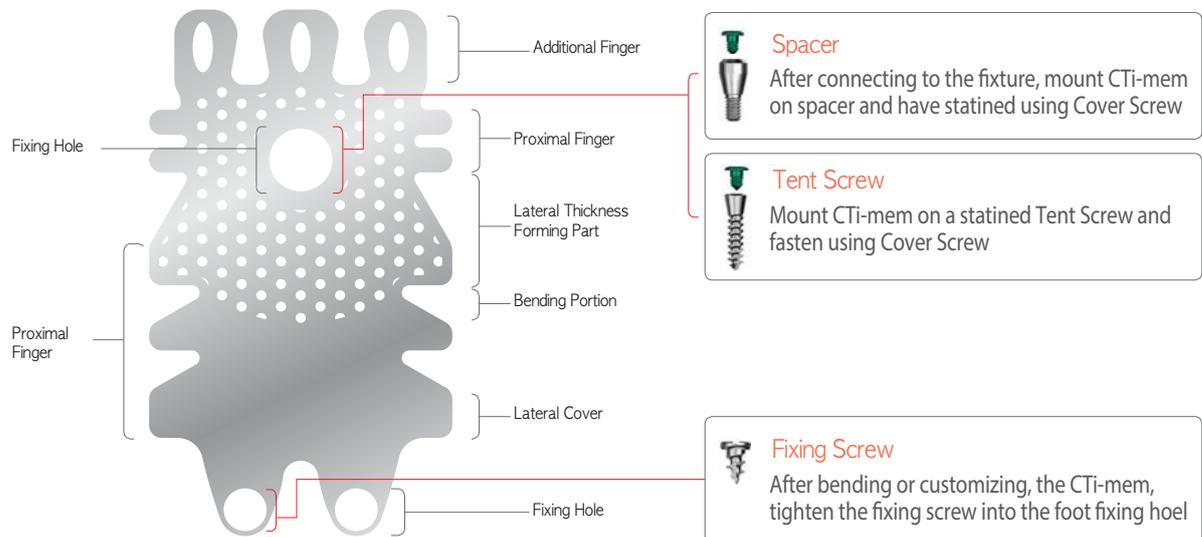
1. Depends on the wall situation, choose A, B, C type from the CTi-men.
2. Proximal width (p) of Occlusal part that needs to be covered by Membrane is measured in oral with determination of the 'p' size. If Proximal defect is not existed, amputate the proximal when it's 1wall choose A, and when it's b-l defect choose C for the amputation.
3. W (Buccal Width) can be decided by P (Proximal Width) and P can be measured From B and C.

(S):Short (M):Medium (L):Long

Type	CTi-mem Dimension	P (Proximal Width)	W (Buccal Width)	L (Buccal Length)	CTi-mem Code	
A 1 Wall Augmentation (Buccal or Lingual)		P: 4mm (Incisor or Premolar)	W: 8mm → L: 6mm(S) → A1	L: 8mm(M) → A2	L: 10mm(L) → A3	
			In posterior, if the bone defect area is bigger than 10mm, choose B or C type (trim) to use.			
B 2 Wall Augmentation (Buccal - Proximal)		P	7mm (Incisor or Premolar) → W: 9mm	L: 6mm(S) → B1	L: 8mm(M) → B2	
			10mm (Molar) → W: 12mm	L: 10mm(L) → B3	L: 6mm(S) → B4	L: 8mm(M) → B5
			12mm (Molar) → W: 12mm	L: 10mm(L) → B6	L: 6mm(S) → B7	L: 8mm(M) → B8
C 3 Wall Augmentation (Buccal-Lingual-Proximal)		P	7mm (Incisor or Premolar) → W: 9mm	L: 6mm(S) → C1	L: 8mm(M) → C2	
			10mm (Molar) → W: 12mm	L: 10mm(L) → C3	L: 6mm(S) → C4	L: 8mm(M) → C5
			12mm (Molar) → W: 12mm	L: 10mm(L) → C6	L: 6mm(S) → C7	L: 8mm(M) → C8
D ITI Type (Non-fixed)	1 Wall Augmentation		P: 7mm (Incisor or Premolar)	W: 9mm	L: 6mm(S) → D1	
	2 Wall Augmentation			P: 10mm (Molar)	W: 12mm	L: 8mm(M) → D2
E Universal Type (Submerged & Non-fixed)		P·L = 12 x 15 → E1		L: 10mm(L) → D3		
		P·L = 12 x 20 → E2		L: 6mm(S) → D4		
		P·L = 15 x 20 → E3		L: 8mm(M) → D5		

New CTi-mem

New CTi-mem provides fixing holes to give smoother access for fixing screws!



• New CTi-mem Spec

[NA3] ATMBN0915SF	[NB9] PTMBN1215LF	[NC9] PTMLN1215LF	[NE1] CTM1215F
[NE2] CTM1220F	[NE3] CTM1520F	[NE4] CTM2023F	[NE5] CTM25F

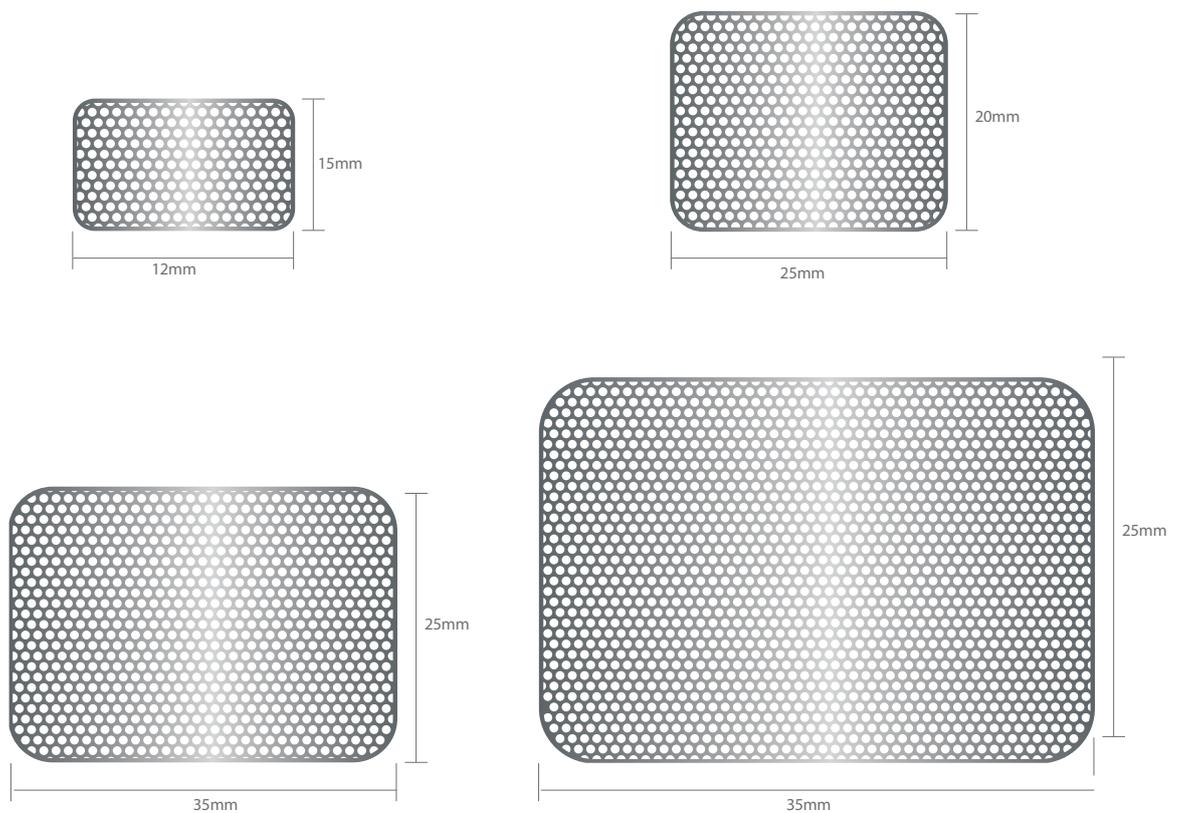
New CTi-mem applicationguide

- Fix the Tent Screw at a defect area
- Choose the New CTi-mem (NE5)
- Tighten the Fixing Screw into each side-foot Fixing hole
- Make hole Tent Screw
- Tighten the Fixing Screw into the rest of Fixing holes
- Bone graft
- Tighten the New CTi-mem with Tent Screw by using Cover Screw
- Complete the New CTi-mem with bone grafting by using Tent Screw and Fixing screw

Ti-mesh(Neo Titanium Mesh)

New Ti-mesh can be trimmed which ever form. Thickness 0.085mm / Hole size 0.8

• Type Of Ti-mesh



Size	Code	Code
20 x 12	T1	TMN 122008
25 x 20	T2	TMN 202508
35 x 25	T3	TMN 253508
50 x 35	T4	TMN 355008