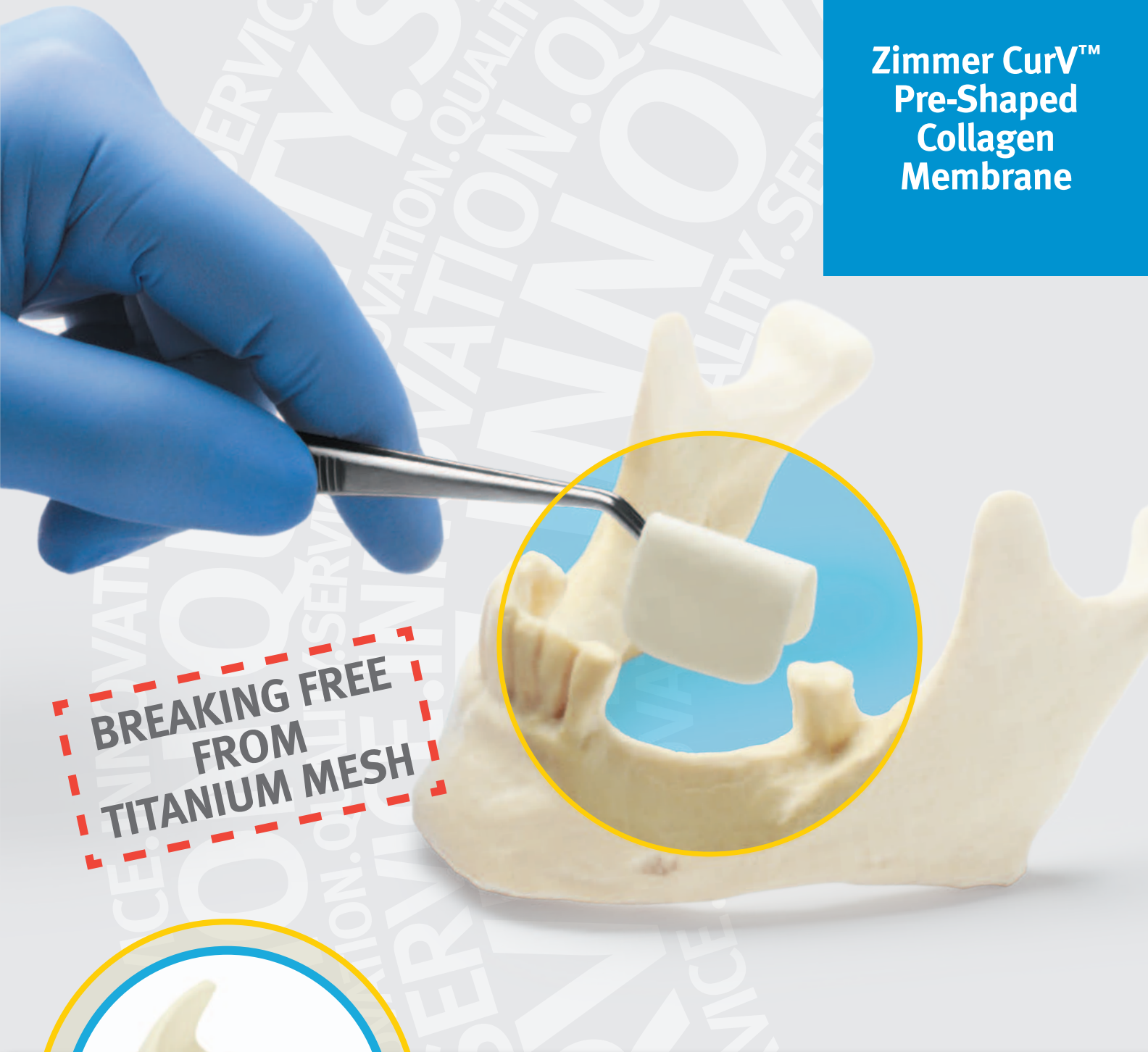




Zimmer CurV™
Pre-Shaped
Collagen
Membrane



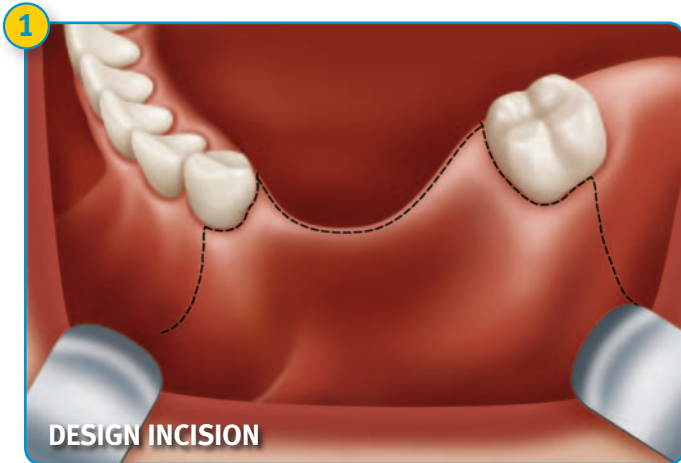
**BREAKING FREE
FROM
TITANIUM MESH**



Technique Guide



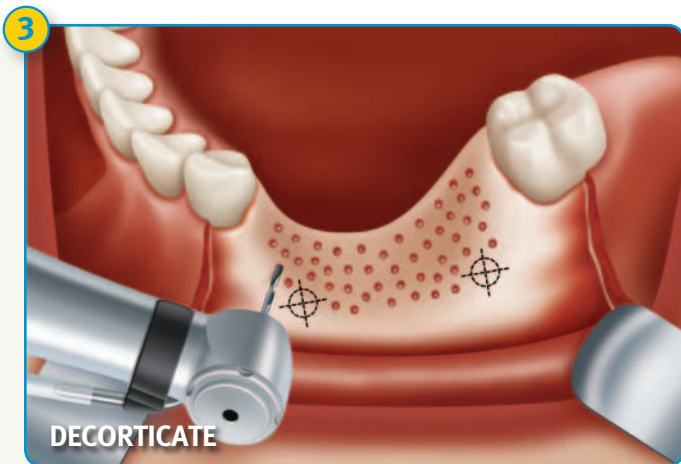
zimmer | dental



Make a full-thickness incision through the attached gingiva that extends at least one tooth mesial and distal to the implantation site. Make a relaxing incision to release sufficient tissue to ensure tension-free closure over the graft and collagen membrane. Reflect the lingual tissue past the Mylohyoid line. Make sure the vertical incisions are not on top of the juncture of the host bone and graft site.



Measure and cut the Zimmer *CurV* Membrane to final shape, producing a contoured collagen segment that conforms to the surgical defect site. Leave enough material for attachment of the membrane to the host bone. In the dry state before hydration, crown & bridge or Dean suture scissors should be used to cut or trim the product. A punch tool or a small pilot drill can be used to create a hole(s) for location of conventional fixation screws. (Ideally a self drilling self tapping screw should be utilized.) Although a single fixation point may be sufficient, multiple fixation points can be used to ensure stability of the membrane and graft. Be sure to place fixation holes a sufficient distance away from the membrane edge to prevent tears. Do not attempt to drill into the *Zimmer CurV* Membrane when wet or hydrated as it could tear.



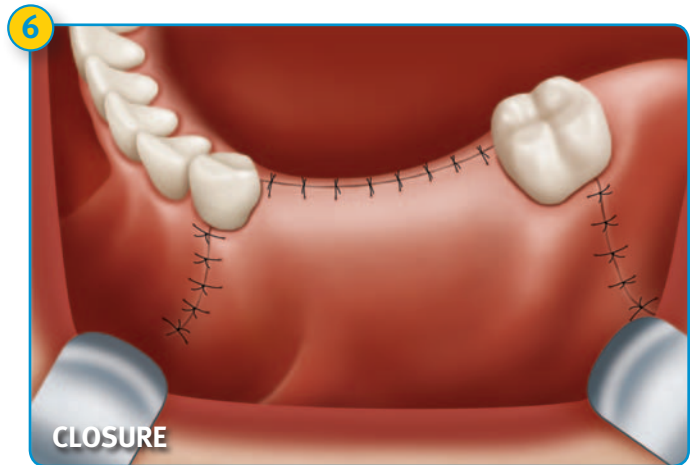
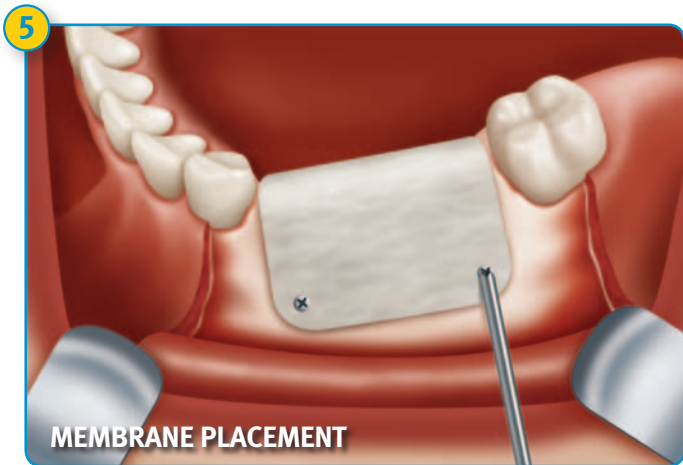
Perforate the receptor site with a \varnothing 1.1mm drill or round bur, avoiding the areas where the fixation screws will be placed. Ensure that bleeding occurs.



Fill or pack the space inferior to the *Zimmer CurV* Membrane with grafting material, such as *Puros*® particulate products. Be careful not to over fill or over pack the defect with graft material beyond the closure capacity of the gingiva. Extend the *Zimmer CurV* Membrane over the graft material and onto the lingual wall, tucking it under the periosteum on the lingual side of the flap.

Note: This guide is for educational use only.

Your surgical technique may vary. See directions for use for additional information on this product.

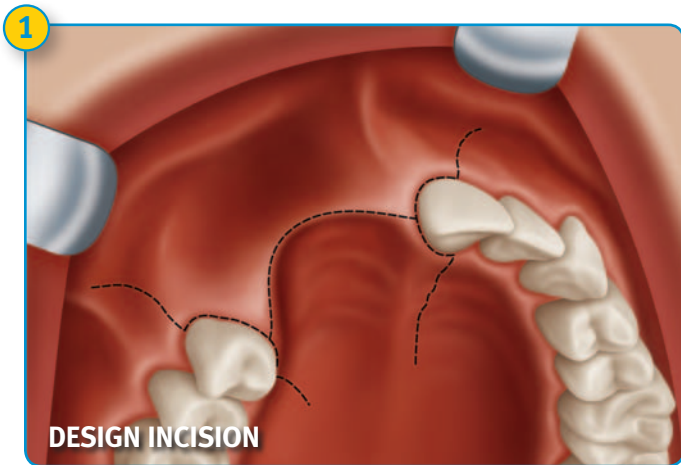


Be careful not to wet the product until ready for placement. When ready for implantation, the *Zimmer CurV* Membrane may be slightly hydrated with blood or sterile saline to assist in conforming to the defect site. Do not over hydrate or use with a fluid that is above 45°C/113°F. This could cause the membrane to de-layer and tear. Position the prepared *Zimmer CurV* Membrane for the posterior with the longer portion of the collagen form over the buccal side of the defect. It is recommended to fixate the *Zimmer CurV* Membrane with more than one screw to prevent movement of the membrane and graft material. When fixating the *Zimmer CurV* Membrane, do not over tighten the screws as this could cause the membrane to stretch or tear away from the fixation screw, thus loosening the membrane.

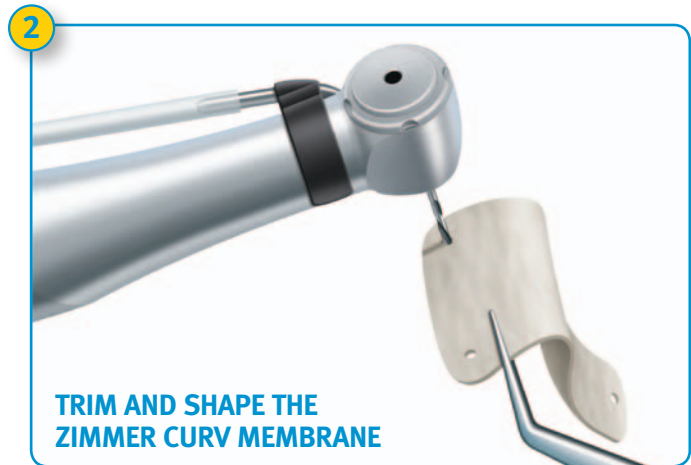
Ensure that adequate flap release has been done to achieve tension-free closure and re-approximate the soft tissue flap; score the periosteum to aid in obtaining adequate flap length. Suture with 3/0 or 4/0 monofilament, utilizing an atraumatic needle with an interrupted technique. **Tension-free primary closure is mandatory and complete closure of the surgical incision is critical.** Start directly over the graft site and finish with the vertical incisions.



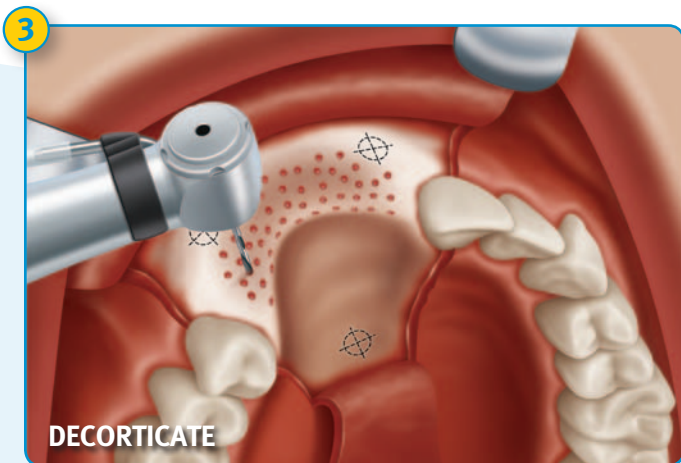
Zimmer CurV
 Breaking Free from Titanium Mesh



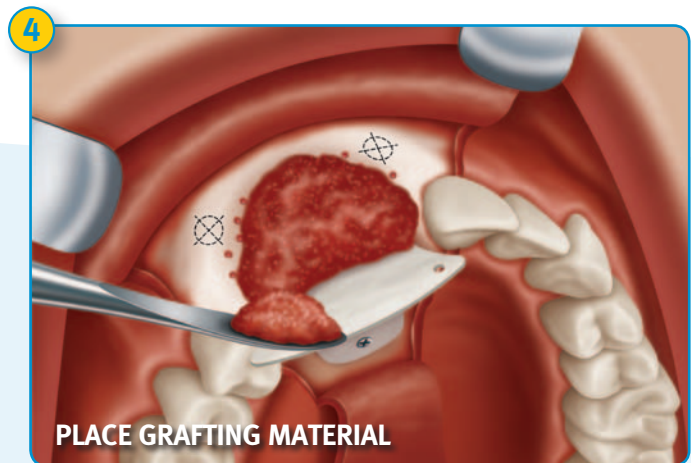
Make a full-thickness incision lingual to the crest of the ridge that extends at least one tooth mesial and distal to the implantation site. Make a relaxing incision to release sufficient tissue to ensure tension-free closure over the graft and collagen membrane. Make sure the vertical incisions are not on top of the joint between the host bone and graft site.



Measure and cut the *Zimmer CurV* Membrane to final shape, producing a contoured collagen segment that conforms to the surgical defect site. Leave enough material for attachment of the membrane to the host bone. In the dry state before hydration, crown & bridge or Dean suture scissors should be used to cut or trim the product and a punch tool or a small pilot drill can be used to create a hole(s) for location of fixation screws. Although a single fixation point may be sufficient, multiple fixation points should be used to ensure stability of the membrane and graft. Be sure to place fixation holes a sufficient distance away from the membrane edge to prevent tears. Do not attempt to drill into the *Zimmer CurV* Membrane when wet or hydrated as it could tear.



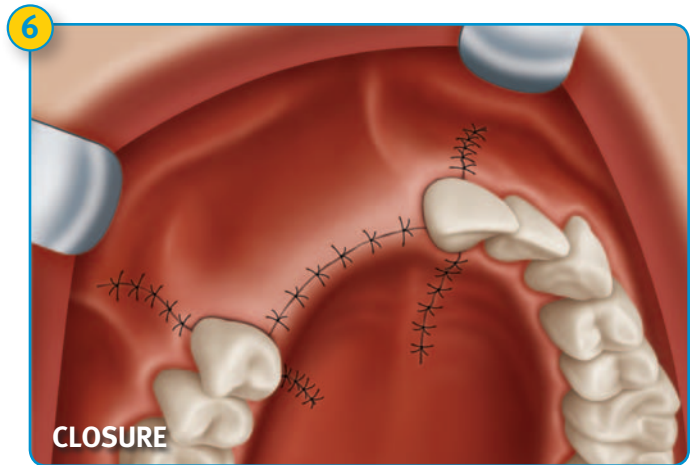
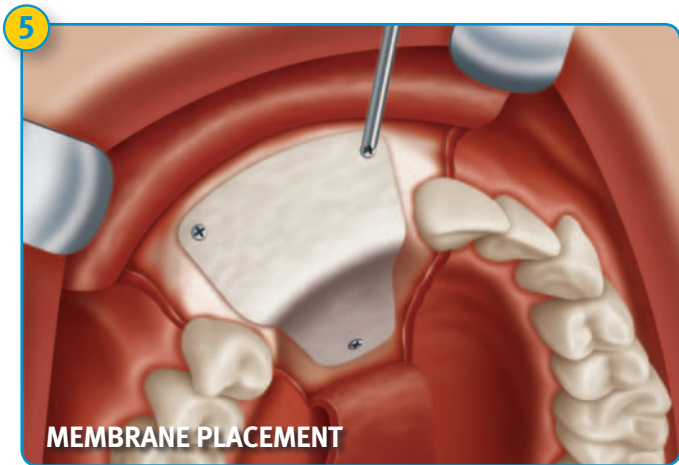
Perforate the receptor site with a \varnothing 1.1mm drill or round bur, avoiding the areas where the fixation screws will be placed. Ensure that bleeding occurs.



Fill or pack the space superior to the *Zimmer CurV* Membrane with grafting material, such as *Puros* particulate products. It is preferable to secure the *Zimmer CurV* Membrane on the labial and lingual side to prevent movement of the collagen. Do not over fill or over pack the defect with graft material beyond the closure capacity of the gingiva.

Note: This guide is for educational use only.

Your surgical technique may vary. See directions for use for additional information on this product.



Be careful not to wet the product until ready for placement. When ready for implantation, the *Zimmer CurV* Membrane may be slightly hydrated with blood or sterile saline to assist in conforming to the defect site. Do not over hydrate or use with a fluid that is above 45°C/113°F. This could cause the membrane to de-layer and tear. It is recommended to fixate the *Zimmer CurV* Membrane with multiple screws to prevent movement of the membrane and graft material. When fixating the *Zimmer CurV* Membrane, do not over tighten or deeply engage fixation screws, this could cause the membrane to stretch or tear away from the fixation device, thus loosening the membrane.

Ensure that adequate flap release has been done to achieve tension-free closure and re-approximate the soft tissue flap; score the periosteum to aid in obtaining adequate flap length. Suture with 3/0 or 4/0 monofilament, utilizing an atraumatic needle with an interrupted technique. **Tension-free primary closure is mandatory and complete closure of the surgical incision is critical.** Start directly over the graft site and finish with the vertical incisions.

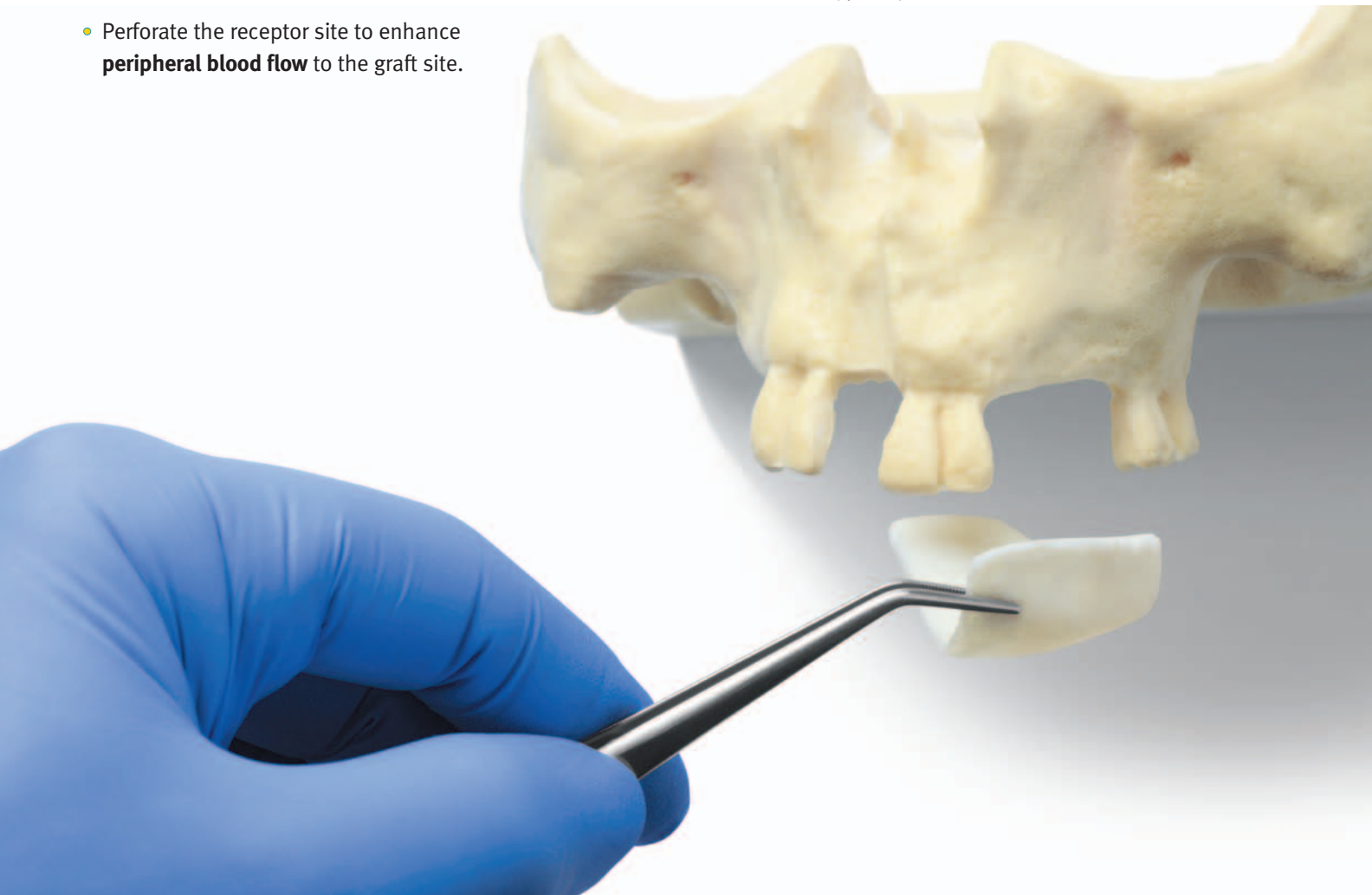


Zimmer CurV Pre-Shaped Collagen Membrane

Zimmer CurV Pre-Shaped Collagen Membrane Technique Tips

THE FOLLOWING POINTS ARE SUGGESTED TO HELP ENSURE A SUCCESSFUL CLINICAL RESULT:

- **Patient Selection:** Ensure that the patient receiving the graft is healthy and will be compliant with the proper hygiene and follow-up requirements. In addition, ensure that you have adequate access to perform all surgical steps.
- **Hydrating** the collagen decreases the firmness.
- Extend **full-thickness incision** beyond the graft site at least one tooth bilaterally. Releasing incisions should be used to assure adequate visualization and tension-free closure. Full-thickness flap is needed to assure adequate soft tissue availability.
- Ensure there is enough source of **vascularity** from the host bone.
- Perforate the receptor site to enhance **peripheral blood flow** to the graft site.
- It is recommended to use self drilling/self tapping screws, **two screws** on the buccal and one screw on the lingual (anterior only). Engage the bone but don't torque down to prevent compression of the membrane.
- **Score the periosteum** to aid in obtaining primary closure and to induce bleeding prior to wound closure.
- **Tension-free closure** is imperative to avoid soft tissue dehiscence. Atraumatic needle and 3/0 or 4/0 sutures with an interrupted technique is recommended.
- **Protect:** Avoid premature loading by utilizing an interim prosthesis over the graft site. Ensure that there is no pressure on the graft.
- Allow adequate time for healing based on clinical assessment (typically five to six months).



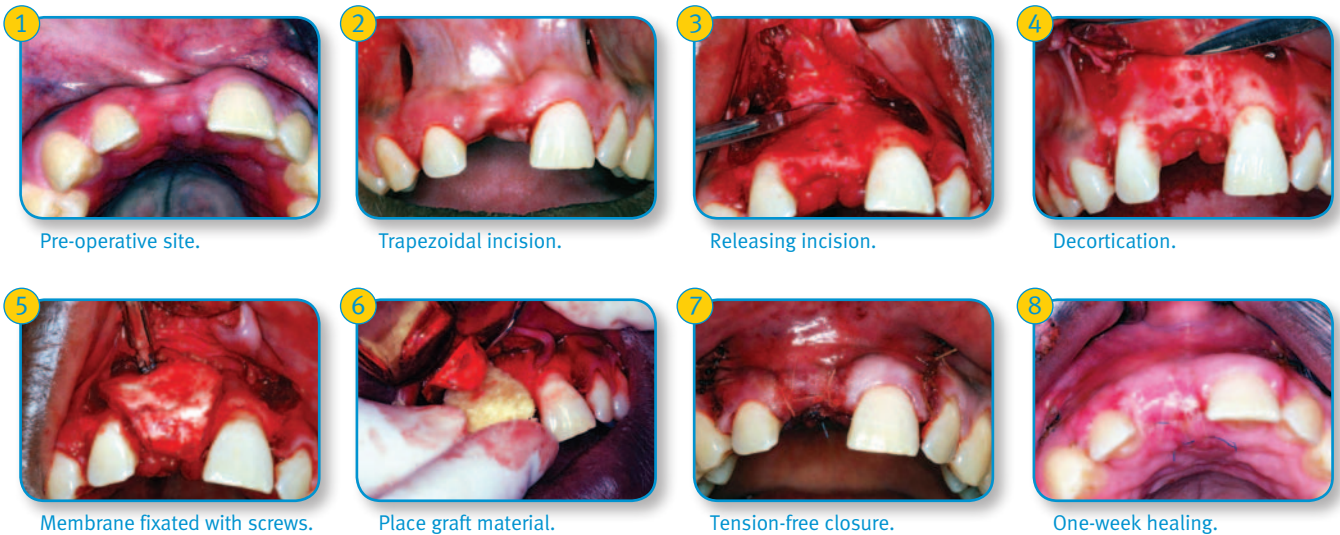
Breaking Free FROM TITANIUM MESH



Zimmer CurV Pre-Shaped Collagen Membrane is resorbable. Designed to retain graft materials such as *Puros* Particulate Allograft during ridge augmentation, when fixated with conventional methods (i.e. tacks or screws) - allowing vertical bone growth where desired. Available in both posterior and anterior sizes, it can be trimmed to fit most defect sites.

Because of its inherent resorbability, the *Zimmer CurV* membrane stands in sharp contrast to titanium mesh. It eliminates the need for an invasive second surgery, and is designed for patient comfort. *Zimmer CurV* membrane is made from Type 1 collagen derived from bovine Achilles tendon.

TAKE A CLOSER LOOK (ANTERIOR PLACEMENT)

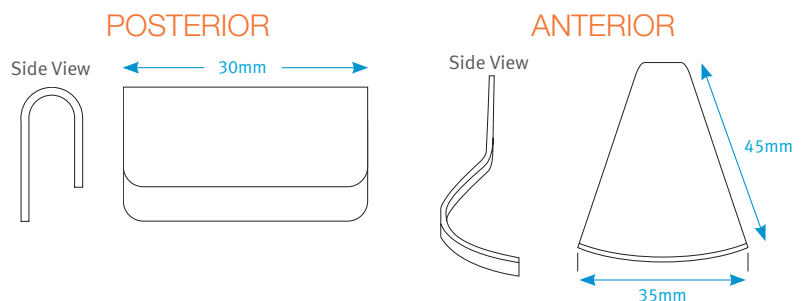


Membranes are intended to be cut to appropriate size as necessary for the intended surgical application. Measurements are approximate.

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Ordering information

Catalog Number	Description
0174	Posterior
0175	Anterior



To learn more about the ***Zimmer CurV* Pre-Shaped Collagen Membranes**, please visit us online at www.zimmerdental.com/nomoremesh or to speak to a sales representative, call **1 (800) 854-7019**.

For more information about our Products, Regenerative Materials and Educational Opportunities, contact us:

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Canada +1 (905) 567-2073 or 1 (800) 265-0968
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