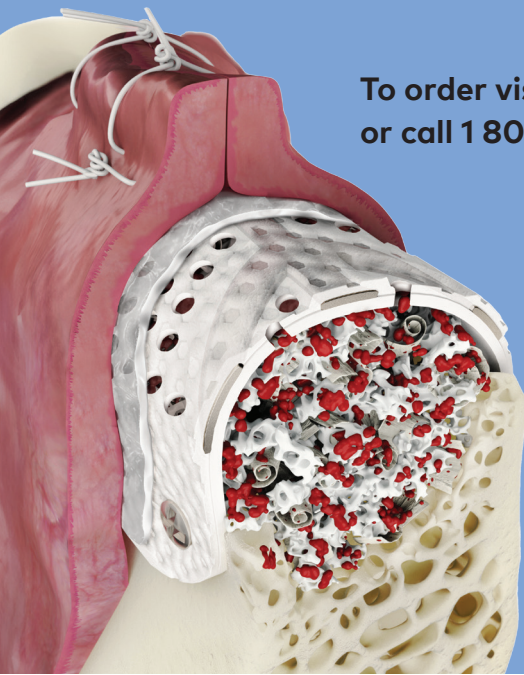


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RPM™ reinforced PTFE mesh*



RPM is designed to work like traditional titanium mesh, but with the added benefits of easier trimming and easier adaptation. The hole patterns on each configuration are designed to make removal easier.

Hybrid approach

Adaptability of a membrane
with the porosity of a mesh

PTFE mesh

Easily conforms to tissue contours

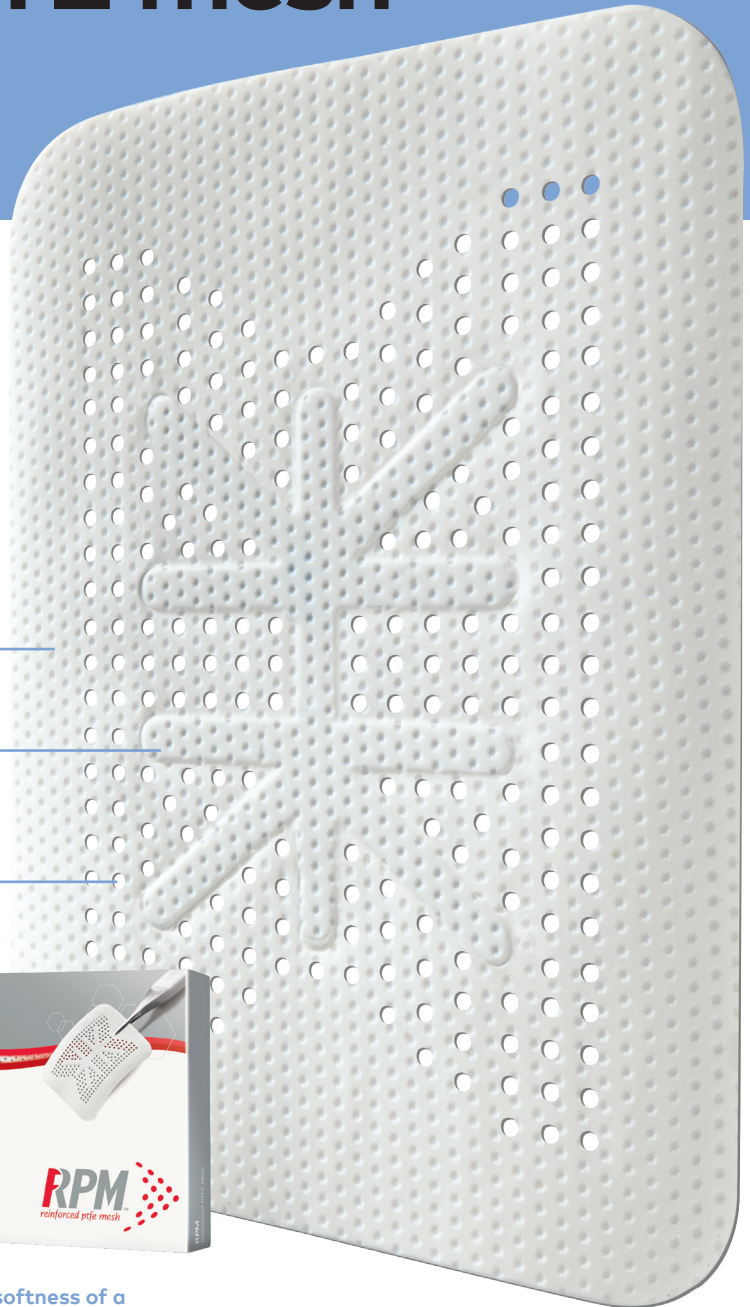
Titanium frame

Maintains space essential for horizontal
and vertical ridge augmentation

Unique macroporous design

Designed to allow revascularization and
infiltration of cells into the bone graft,
facilitated by direct contact between
graft and periosteum

*Patent pending



"RPM allows the vascularization
you get from a mesh, but with the softness of a
membrane that remains kind to soft tissues. With
the mesh, and the bone quality I see at seven months,
I can shorten time to implants by about two months."

– Istvan Urban, DMD, MD, PhD

Shapes with fixation points

These configurations are designed with fixation points outside of the defect area (not shown actual size)



BL

17 mm x 25 mm
RPM200BL



BLL

17 mm x 30 mm
RPM200BLL



PST

25 mm x 36 mm
RPM200PST



PLT

30 mm x 41 mm
RPM200PLT

Interproximal shapes

These configurations are designed to fit between existing teeth (not shown actual size)



ATC

24 mm x 38 mm
RPM200ATC



ATCM

24 mm x 38 mm
RPM200ATCM



PTC

38 mm x 38 mm
RPM200PTC



PTCM

38 mm x 38 mm
RPM200PTCM



PD

38 mm x 38 mm
RPM200PD

Versatile rectangular shapes

These configurations can be trimmed to fit a variety of defects (not shown actual size)



PS

20 mm x 25 mm
RPM200PS



PL

25 mm x 30 mm
RPM200PL



XL

30 mm x 40 mm
RPM200XL



XLK

30 mm x 40 mm
RPM200XLK



XLKM

30 mm x 40 mm
RPM200XLKM



K2

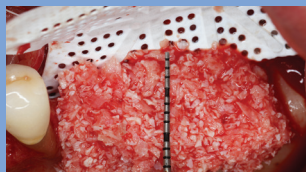
40 mm x 50 mm
RPM200K2

Case study: Ridge augmentation using reinforced PTFE mesh

Case photos provided by
Istvan Urban, DMD, MD, PhD



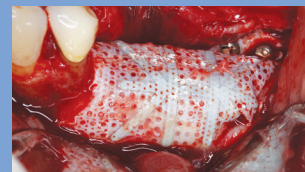
1 Labial view of an atrophic posterior mandibular area.



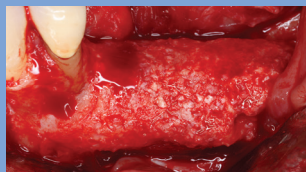
2 A 1:1 mixture of autogenous and xenogenic bone graft is placed on the ridge. Cortical bone was perforated and an RPM reinforced PTFE mesh was secured on the lingual side before applying bone graft.



3 An RPM™ is secured over the graft with titanium pins and screws.



4 After 9 months of healing, the augmented site is exposed and the RPM will be removed.



5/6 Labial and occlusal views of the regenerated bone after 9 months of healing.



7/8 Labial and occlusal views of two implants placed into regenerated bone.

Clinical literature

Vertical bone augmentation utilizing a titanium-reinforced PTFE mesh: A multi-variate analysis of influencing factors. Urban IA, Saleh MHA, Ravidá A, Forster A, Wang HL, Barath Z. Clin Oral Implants Res. 2021 Jul;32(7):828-839. [Read on PubMed](#)



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