ReGum™ Vet

Ένα ικρίωμα αφρού, σχεδιασμένο για να υποστηρίζει την αποκατάσταση του περιοδοντικού ιστού σε χειρουργικές επεμβάσεις



BioChange

Τι είναι το ReGum™ Vet?

Ένα ικρίωμα αφρού για προχωρημένη περιοδοντίτιδα σε σκύλους

Το ReGum™ Vet είναι ένα βιοδιασπώμενο αφρώδες ικρίωμα, σχεδιασμένο για να υποστηρίζει την αποκατάσταση των περιοδοντικών ιστών σε σκύλους. Το ReGum™ Vet στοχεύει σε οδοντικές και γναθοπροσωπικές παθήσεις, οι οποίες αποτελούν τα πιο συνηθισμένα κλινικά προβλήματα σε μικρά ζώα στην κτηνιατρική πρακτική.

Το ReGum™ Vet μπορεί να βοηθήσει στη διατήρηση των δοντιών, ακόμα και όταν η εξαγωγή θεωρείται η μόνη επιλογή.

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ReGum™ Vet

Το ReGum™ Vet βοηθά στην:

- Πλήρωση και σταθεροποίηση περιοδοντικών ελαττωμάτων.
- Επιδιόρθωση οστών και μαλακών ιστών.
- Σταδιακή απορρόφηση και αντικατάσταση από νέο ιστό κατά την επούλωση.

Το ReGum™ Vet συνιστάται για χρήση σε:

- Διατήρηση θήκης
- Αποκατάσταση οστού και διχασμού
- Επούλωση κατάγματος κάτω γνάθου
- Περιοδοντικοί θύλακες και αύξηση κυψελίδων μετά από εξαγωγή



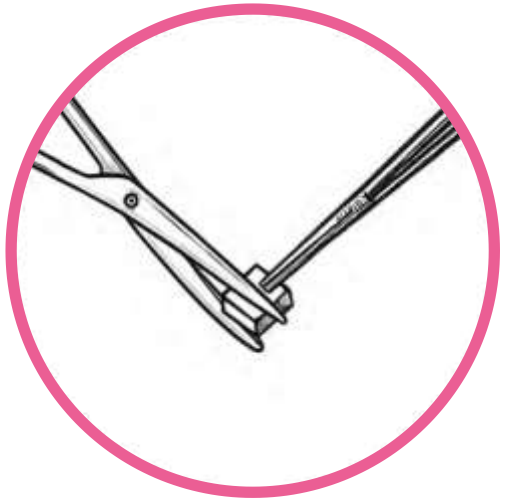
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ReGum™ Vet

Εύκολη εφαρμογή



1 Υγράντε* το ReGum™ Vet ώστε να αοκαταστήσετε την ελαστικότητα



2 Κόψτε το ReGum™ Vet ώστε να ταιριάζει στο χειρουργικό σημείο



3 Μετά τον καθαρισμό Τοποθετείστε το ReGum™ Vet Στο χειρουργικό σημείο



4 Κλείστε το χειρουργικό σημείο

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ReGum™ Vet

Εμπειρίες Κτηνιάτρων



Dr. Jen Mathis, DVM

DAVDC Board Certified Veterinary
Dentist and Oral Surgeon

Το ReGum™ Vet είναι η πρώτη πιθανή θεραπεία για την αποκατάσταση της οστικής γραμμής. Πολλές κλινικές υποθέτουν ότι η οδοντιατρική ακτινογραφία θα οδηγήσει στη διάσωση περισσότερων δοντιών, αλλά συχνά οδηγεί στην ανακάλυψη περισσότερων ασθενειών και στην εξαγωγή περισσότερων δοντιών. Εδώ ακριβώς κάνει τη διαφορά το ReGum™ Vet – μας επιτρέπει να διατηρήσουμε περισσότερα δόντια από ό,τι μπορούσαμε πριν.



Dr. Ana Nemec, DVM

PhD, Dipl. AVDC, Dipl. EVDC,
Assist. prof., Primary investigator of the
clinical study

Βελτιστοποιήσαμε αυτό το καινοτόμο προϊόν για να εξυπηρετήσουμε τον καλύτερο τρόπο τους σκύλους ασθενείς μας και τους συναδέλφους κτηνιάτρους. Επίσης, με την κλινική μας ερευνητική ομάδα, αργότερα αποδείχθηκε επιστημονικά ότι η προσθήκη του ReGum™ Vet είναι ανώτερη από την τυπική ανοιχτή περιοδοντική θεραπεία από μόνο του στην αποκατάσταση περιοδοντικών ιστών σε σκύλους με περιοδοντίτιδα.

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Case 1

Treating Periodontal Disease with Regum™ Vet

Dr. Jen Mathis, DVM
DAVDC Board Certified Veterinary Dentist and Oral Surgeon

Case Summary:

Guided Tissue Regeneration (GTR) is a technique used to promote the regeneration of bone and soft tissue, enabling the replacement of infrabony periodontal pockets (sites of vertical bone loss). GTR involves the removal of irritants — such as calculus, bacteria, granulation tissue, and debris —to encourage the regrowth of the periodontal ligament (PDL), bone, and cementum. This is achieved by excluding gingival tissues through a barrier membrane.
The process begins with thorough cleaning of the infrabony pocket using hand curettes and, if needed, specialized ultrasonic curette. A bone graft and barrier membrane are then placed into the pocket, followed by a secure closure of the gingival tissue. The goal of GTR is to restore structural integrity in areas affected by vertical bone loss. In canine patients, GTR is most commonly performed on the palatal aspects of the maxillary canine teeth and the mesial or distal aspects of the mandibular first molars.

Patient Information:

Ziggy, a 10-year-old male neutered Maltese, was presented for a wellness examination with Associate DVM Dr. Elizabeth Schilling at Family Pet Veterinary Center and Animal Dentistry Referral Services. Oral examination findings included notable halitosis and a calculus index of 3/4, indicating a need for comprehensive dental care.
Dr. Schilling recommended a COHAT (Comprehensive Oral Health Assessment and Treatment, also known as a dental prophylaxis) to thoroughly address oral health concerns. Additionally, CBCT (Cone Beam Computed Tomography) was advised to provide detailed, 3D radiographic imaging of all tooth structures across multiple planes. This procedure will be conducted under the supervision of Dr. Jennifer Mathis, DAVDC (Diplomate of the American Veterinary Dental College), ensuring expert assessment and treatment.

Dental Exam Findings:

Horizontal Bone Loss: Excessive gingiva and pocketing at the distal aspect of tooth 409.

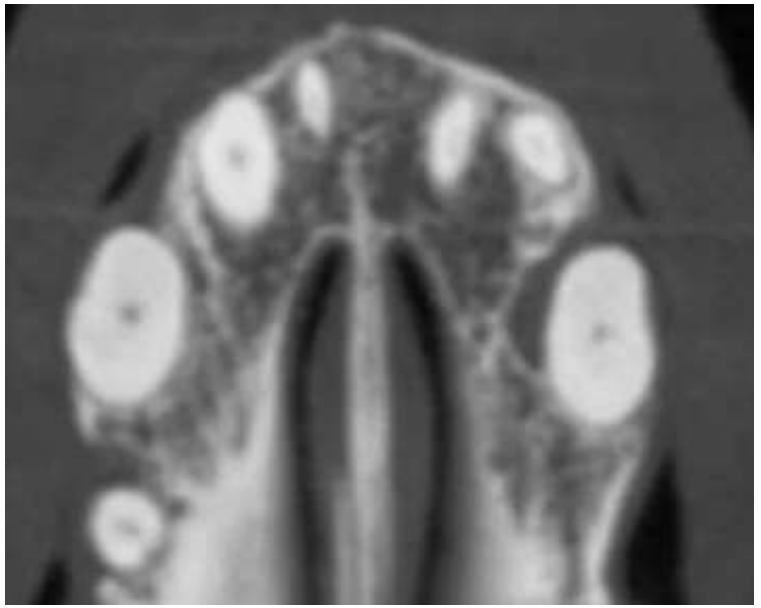
Increased Palatal Probing Depths: Teeth 104 and 204 show increased probing depths with bleeding on probing; infrabony palatal pocket noted at tooth 204 > 104.

Periodontal Disease Staging:

Stage 2 (PD2): Tooth 108.
Stage 4 (PD4): Teeth 102, 105, 106, 109, 110, 206, 208, 302, and 402.
Non-Vital Teeth (T/NV): Teeth 203, 302, and 402.

Possible Condensing Osteitis: Tooth 309 — recommend continuing to monitor with a follow-up radiographic evaluation in 6-12 months.

CT Image of Infrabony Pocket 204



3D Hard Tissue Infrabony Pocket 204



Hard Tissue Overview (left and right)





Procedures Performed:

Pocket Depths Pre-Treatment: Tooth 104 presented with a 5mm palatal pocket; tooth 204 had a 6mm palatal pocket and an 8mm distal pocket.

RP/O Procedure:

An envelope flap was created, and curettage was performed to remove granulation tissue and debris.
The site was thoroughly cleaned using hand instruments. A ReGum™ Vet square was placed in the infrabony pocket to serve as a barrier. Closure was achieved with 5-0 Monomend MT suture on a taper needle, ensuring a secure gingival collar.

Extractions:

Teeth 102, 203, 302, 402, 105-106, 109-110, 206, and 208 were extracted due to advanced periodontal disease.

Closed Root Planing (RP/C) on Tooth 108:

Closed root planing has the potential to result in a 1-2mm reduction in probing depth within 1-3 months, rendering an active periodontal pocket inactive as long as the original probing depth was less than 5mm. Pocket depths greater than 5mm need to be treated by opening a flap. The recurrence of active periodontal disease depends on pocket depth, at-home dental care, and the frequency of professional anesthetic dental cleanings.

Before COHAT (left and right)





Before Guided Tissue Regeneration 204



Before Guided Tissue Regeneration 104



Cleaned Infrabony Pocket During GTR 204



ReGum Vet Application 204



After GTR of 104 and 204



Follow-Up Information:

Ziggy returned to Family Pet Veterinary Centers/Animal Dentistry Referral Services for follow-up care under the direction of Dr. Jennifer Mathis, DAVDC, four months after his initial Guided Tissue Regeneration (GTR) procedure. During his anesthetic dental procedure, CBCT follow-up imaging was performed, and probing revealed promising results: tooth 104 exhibited a pocket of 1-2mm, while tooth 204 measured at 2mm—both well within normal limits!

These sites were cleaned once again during the visit, and we recommended scheduling his next anesthetic dental procedure for cleaning and imaging in 9 months. Ziggy continues to be a fantastic patient, and we are thrilled with his progress!

We look forward to welcoming Ziggy back to Family Pet Veterinary Centers and Animal Dentistry Referral Services for continued care. Thank you for trusting us with his dental health!

Case 2

Enhancing Periodontal Attachment in Canines with ReGum™ Vet

Dr. Ana Nemec, DVM
PhD, Dipl. AVDC, Dipl. EVDC, Assist. prof. Primary investigatorof the clinical study

A typical case where ReGum™ Vet can support in preservation of bone ridge, thus minimizing gum recession and Canine root exposure that will lead to their extraction





ReGum Vet conic version

ReGumTM Vet was used to promote periodontal attachment gain on the mesial side of both canine teeth.

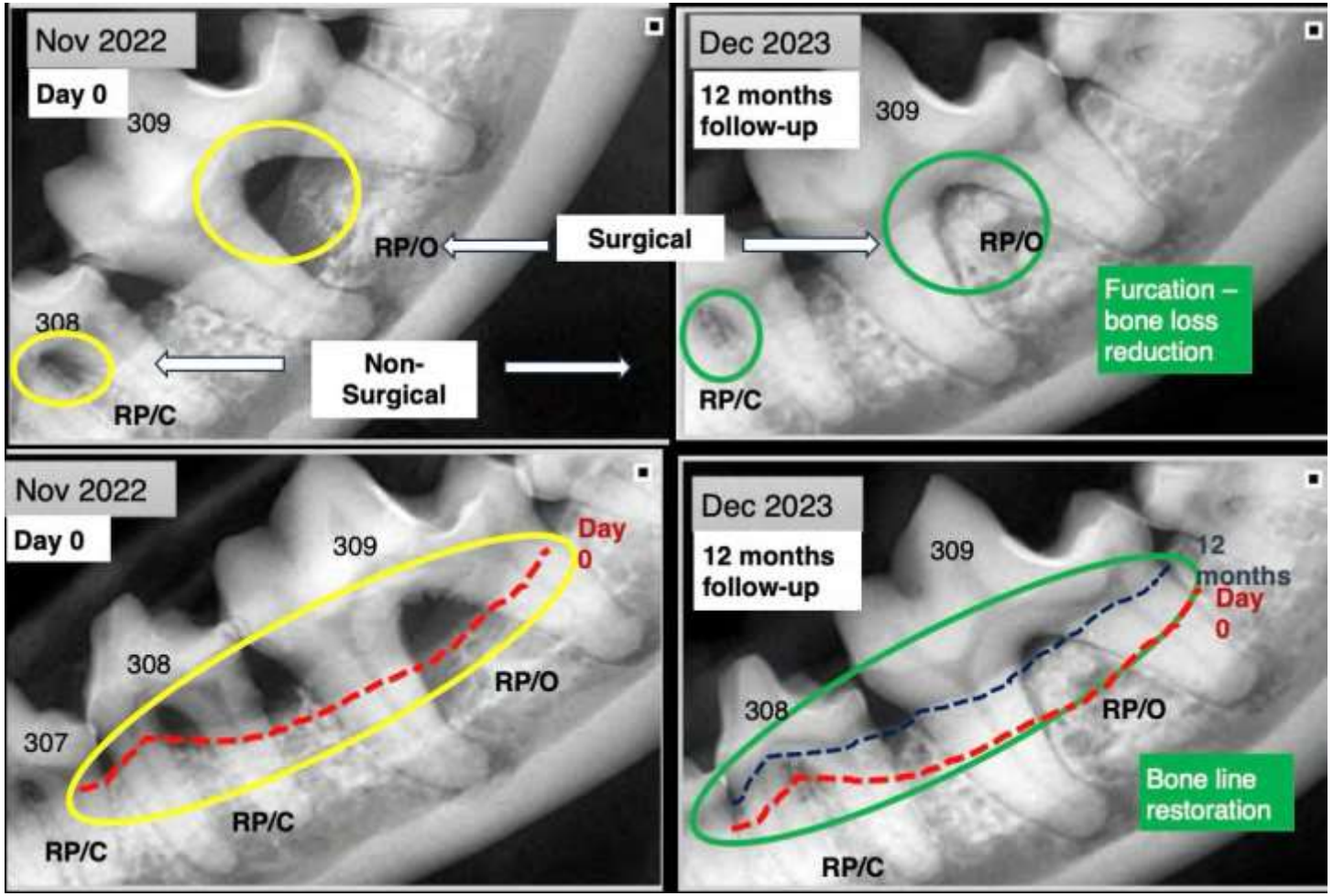




ReGum Vet scaffolddoesn't appear on X-ray

Case 3 Pomeranian 8Y old with advance periodontitis

Dr. Andrea Poblete, DVM, Chile



Nov 2022 [Day 0]:

First dental session in its life
Extraction of almost all teeth on the right side.
Owner asked to save as many teeth as possible (Traditional treatment is extraction for teeth with >50% bone loss)

RP/O 309 + ReGumVet - Surgical (open cleaning and root planning)

RP/C 307, 308 + ReGumVet - Non Surgical

Dec 2023 [12M follow-up] :

Owner reported that no home care done
Bone line and furcation restored.