

Localized Juvenile Spongiotic Gingival Hyperplasia Treatment Using StellaLife® VEGA® Oral Care Rinse and Gel

Description

Patient Information: a caucasian female early 30s, presented on March 14, 2024 for a periodontal exam at Platinum Dental Care in Livonia, MI with inflamed gingiva, crestal bone loss around the lower anteriors with no history of periodontal disease. She reports that the gingival inflammation started several months ago and bleeds upon brushing.

Method

A Clinical exam with Dr. Khaled Sinjab (Board Certified Periodontist) revealed gingival inflammation on teeth #24-26 and thin tissue phenotype on #22-27 and lack of attached gingiva on #24-26. After providing a differential diagnosis and different treatment approaches, the patient opted for a free gingival graft in sites of #23-26 only and a biopsy will be completed on the day of surgery to identify if an autoimmune condition was present.

On September 5, 2024, the patient returned to the office for the procedure since she noticed the inflammation getting worse and the procedure was then completed: At the donor site, 2 gingival grafts were harvested from the palate bilaterally and collagen sponges were placed and covered with a thin layer of cyanoacrylate (PeriAcryl by Glustitch Inc.®) and delivered a palatal stent for comfort. At the recipient site, the Free gingival margin was harvested full thickness for biopsy and placed in 10% neutral buffered formalin and sent to CTA Pathology in Ann Arbor, Michigan. Below the gingival margin, a split thickness incision was completed to maintain a thin periosteum bed to provide blood supply to the grafts, and the gingival grafts were placed over #23-26 and fixated with single-interrupted 6.0 Glycolon sutures and periosteum-fixating 5.0 chromic gut sutures. The patient was instructed to take over-the-counter pain meds and use StellaLife® Vega® Oral Care rinse.

On November 7, 2024, the patient presented with recurrent inflamed gingival margins despite a noticeable gain in keratinized and attached gingiva at the site. She was instructed then to use StellaLife® rinse or gel and return in 2 months for a third follow-up.

Then on January 23, 2025, the patient had used the StellaLife® Vega® Oral Care gel twice a day by applying it to gauze and placing it on the site for 10 minutes. Clinical exam revealed significant reduction in inflammation, with residual inflammation on #26 free gingival margin. She was asked to continue to use the gel for 2 more weeks at the site and ensure the gel is applied at the free gingival margin of the affected teeth.

Conclusion

Patient returned on February 6, 2025 with no signs of inflammation and was very satisfied with the results.

