

# ABSTRACT: Flowable Prophylactic Gel

---

**AUTHORS:**

**Nilo Hernandez, DDS**

**Paul Cammuso RPh., PD.**

**Jared Kent**

**Current problem** – Bacterial and fungal pathogens are ever present in the oral cavity. These pathogens lead to bone loss, inflammation, fowl odors, and other concerns.

**Solution** – By minimizing pathogenic accumulations and limiting the spaces where they can exist, a restorative prosthesis will be cleaner and more conducive to a healthier environment. We created a product which is intended for use inside the chambers of dental implants once placed within the bony structure. This occurs before the insertion of any abutment whether final, temporary, or healing.

**The purpose** – To decrease or virtually eliminate any contaminants or pathogens that may form inside the implant and abutment interface. This helps to eliminate foul odors and cervical bone loss.

**The product** – We created a flowable mixture of Clindamycin as an antibacterial, Nystatin as the anti-fungal, and eucalyptus oil, which are combined with a proprietary silicone oil formula in a carrier of coconut oil.

**Process** – Applied using a preloaded 1 cc Luer Lock syringe, which incorporates a disposable curved tip. A small amount of the flowable product is placed on the threads of temporary and final abutments before insertion. This product will impede the formation/growth of the odorous pathogens that occur in the abutment implant interface.

**What we found** – After applying on approximately 150 abutments (more than 30 patients), there was no odor upon removing the abutment. It was noted that out of the 150 patients treated, none complained of the foul odors that typically occur after abutment removal.

**Why the study** – The study was done in a private clinical setting. The patient census covered all ethnicities, ages, and genders. During the follow-up evaluations, there were no reported complaints or side effects including irritations, allergic responses or the like. Additional follow-ups (approximately a year post treatment) were also clear of any negative indications.

**Conclusion** – The use of the prophylactic gel has created a healthier environment and greater patient comfort. There has been a remarkable improvement regarding the cervical hard and soft tissues around dental implants.

