

Clinical Case – Innovating with Whiteness HP Blue

The growing search for dental esthetics has led to the refinement of classic Dentistry techniques, for example, the dental bleaching technique. On the modern dental techniques for in office bleaching, the addition of catalyzers allows the bleach to be conducted without external light/heat resources. Also, the decrease of hydrogen peroxide concentration brings great bleaching results and minor dental hypersensitivity to the patient.

Following professional practice's evolution, Whiteness HP Blue has been developed in a way to have singular qualities never seen before on Whiteness brand. To begin with the practical application: the product shows itself in a two syringe presentation (hydrogen peroxide and thickener) which are easily mixed through a connective piece, allowing gel application straight from one of the syringes. This presentation form also leaves no doubt about the quantity of gel necessary for the treatment, and covers both superior and inferior smile line (from 2o pre-molar to another). The consistency of the gel has been specially studied to ensure its easier application and, besides of that, the gel has a vibrant color that aids its visualization and distinguishes it from the oral tissue.

For higher practicality and agility, Whiteness HP Blue's exclusive formula contains catalyzers that increase the activity and efficiency for longer amounts of time, dispensing the use of external energy sources of acceleration. Besides it, these stable catalyzers maintain the gel efficacy during all bleaching session, allowing the gel to be applied only once per clinical session.

To increase peroxide's transference to the dental structure, the product's wettability was modified in a way to contribute to the final bleaching result.

The maintenance of enamel's integrity when bleached was also taken as an important aspect: its formula has the addition of calcium, which contributes in a way to mitigate the decrease in enamel's micro-hardness after the bleaching.

All of the characteristics of this new product signalize a new tendency that benefits both professional and patient, and translates itself in a higher agility of dental bleaching. Next, we present a clinical case made with Whiteness HP Blue that reveals its bleaching power.

Clinical Case Report:

Female patient that was unhappy with her yellowish teeth color. There was conducted two sessions of in office dental bleaching with 20% Hydrogen Peroxide. It's important to say that the patient didn't have hypersensitivity, even without previous desensitizing application.



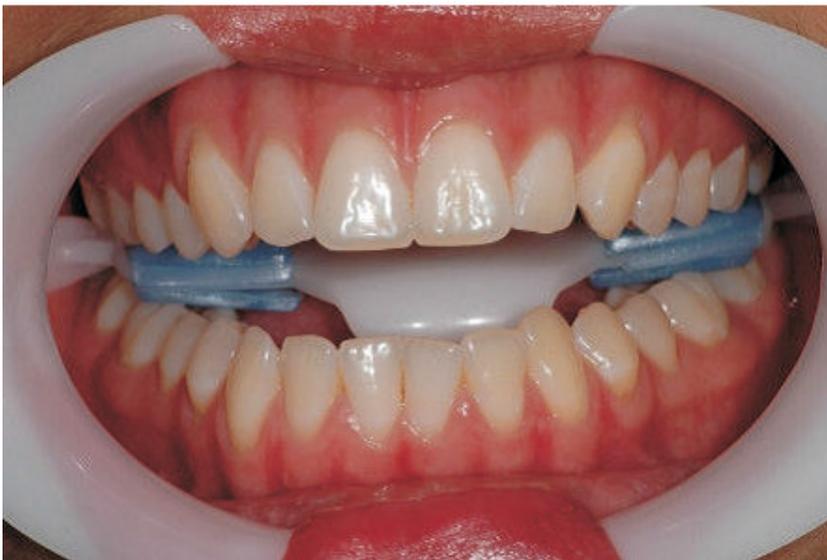
Initial smile



Initial - right side



Initial – left side



Arc Flex lip retractor allows adequate access to the teeth by retracting lips, jugal mucosa and tongue.



Desensibilize KF2% application



Top Dam gingival barrier application



Search for uncovered areas of gingiva



Whiteness HP Blue with 20% of hydrogen peroxide applied on both arches. The product may contact the teeth for 50 minutes straight, without changing gel during the session.



Remove the bleaching gel by suction and rinse the teeth abundantly



Polishing with Diamond Flex felt discs and Diamond Excel polishing paste



Bleaching result 24 hours after the second application: very good result



Aspect of the cuspid after the bleach



Aspect of the cuspid after the bleach



Patient's smile two weeks after the bleaching



A three month follow-up