



Benefit of Light vs No Light

in vivo study

Effect of ZOOM! Advanced Power Lamp on Whitening

Discus Dental, Inc., ZOOM! Advanced Power Chairside Whitening System Effect of ZOOM! Advanced Power Lamp on Whitening. The Dental Advisor. November 2007.

Objective

To assess tooth color changes and patient satisfaction using ZOOM! Advanced Power Lamp compared to whitening treatment without the lamp.

Materials

- 25% hydrogen peroxide gel (Zoom! Advanced Power Whitening System, Discus Dental, Inc.)
- Light activation lamp (Zoom! Advanced Power Lamp, Discus Dental, Inc.)

Methodology

Seventeen patients received Zoom! Advanced Power Whitening System using Zoom! Advanced Power Lamp. Eleven patients received the whitening treatment without light activation. All patients had a start shade of Vita A3 or darker, and no tetracycline stains were treated. Tooth color was measured at baseline before and immediately following the in-office procedure using the Vita Classic value arranged shade guide. Shade change was measured again at 7-10 days and 30 days post-treatment. Patients were given a survey at the 30-day follow-up appointment to rate effectiveness of treatment, sensitivity, satisfaction, and overall opinion of the treatment.

Results

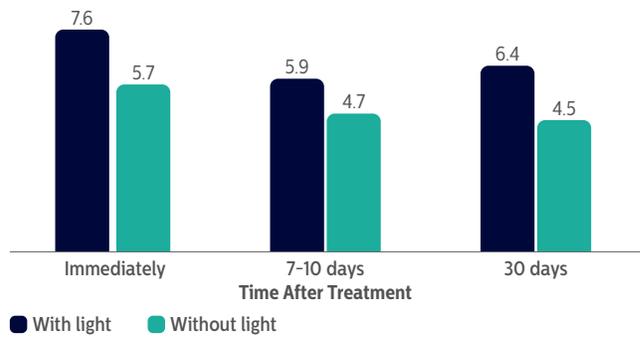
Upon evaluation immediately after whitening and 30 days post-treatment, whitening with the lamp resulted in an average of 1.9 shades lighter for maxillary teeth and 0.7 shades lighter for mandibular teeth compared to average whitening without the lamp.

Overall, patients who received whitening treatment using the Zoom! Advanced Power Lamp were more satisfied with their results and felt the treatment to be more effective compared with those who received whitening treatment without the lamp. However, patients who received treatment with the lamp reported more sensitivity during treatment, and many reported that the lamp was too intense and produced a burning sensation.

Conclusion

When the Zoom! Advanced Power Lamp was used, a greater difference in shade change was seen immediately after treatment, 7-10 days after treatment, and 30 days post-treatment than resulted from whitening performed without the lamp.

Shade Change After Zoom! In-Office Bleaching Treatment—Maxillary Teeth
Average Shade Change



Shade Change After Zoom! In-Office Bleaching Treatment—Mandibular Teeth
Average Shade Change

