

4<sup>th</sup> Asia Pacific Congress & Expo on

# Dental and Oral Health

July 27-29, 2015 Brisbane, Australia

## Effects of 10% and 15% Carbamide Peroxide bleaching procedures on tooth sensitivity – A systematic review

**Suhaila Rada Hassan Albanai**  
Hamad Medical Corporation, Qatar

**Problem Statement:** Tooth whitening was used for over one hundred and fifty years. The question concerning the whiteness of teeth is a complex one since tooth whiteness will vary from individual to individual, and is also dependent on the age of the individual and culture etc. Tooth whitening following treatment may also be dependent on the type of whitening system used to whiten the teeth. There are a number of side-effects to the process and these include tooth sensitivity and gingival irritation (Dahl & Pallensen 2003, ADA Council on Scientific Affairs 2009). Normally these side effects should resolve after approximately 48 hours although in extreme situations this may last for several months.

**Description:** Tooth whitening is not a new technique in dentistry. The question concerning the whiteness of teeth is a complex one since tooth whiteness will vary from individual to individual, dependent on the age and culture etc. Tooth whitening following treatment may be dependent on the type of whitening system used to whiten the teeth. There are a number of side-effects to the process and these include tooth sensitivity and gingival irritation. Some individuals may experience no pain or sensitivity following the procedure.

**Purpose:** To systematically review the available published literature until 31st December 2014 in order to identify all relevant studies for inclusion and to determine whether there was any evidence demonstrating that the application of 10% and 15% carbamide peroxide in tooth whitening procedures resulted in tooth (dentine) sensitivity.

### Biography

Dr. Suhayla Reda Hassan Al Banai is currently a consultant prosthodontics at Hamad Medical Corporation, Qatar. She has Bachelor's Degree in Dentistry from King Saud University, Riyadh Kingdom of Saudi Arabia and Master degree in Crown and Bridge Prosthodontic from Cairo University, Egypt. Dr. Suhayla has membership in Prosthodontics (MRD), Royal College of Surgeon in Edinburgh, UK and MCLinDent (Master of Clinical Dentistry) Prosthodontics from Queen Mary University of London, UK. She is the Regional Dental Adviser (Qatar) for the Royal College of Surgeon of Edinburgh, UK and Dartmouth Clinical Microsystems Institute (DCMI) certified Coach. USA. She has published two single paper, was speaker and presented many posters at local and international conferences and she is Coach & faculty in CCITP (Clinical care improvement training program), Hamad Medical Corporation. Qatar.

[salbanai@hamad.qa](mailto:salbanai@hamad.qa)

### Notes: