



# Global Ceram•X Case Contest 2013/14

## Introduction to the case

This **17-year old** boy asked for an esthetic improvement of the upper anterior teeth. He didn't like the central diastema and the peg shaped lateral incisors. Placement of direct composite additions is a minimal invasive way to improve the esthetic appearance in this patient.

### Before



**Initial situation** show peg shaped lateral incisors and central diastema in the upper anterior region. The patient has a good oral hygiene.



#### Step 1

**Diagnostic wax-up** made by the dental technician



#### Step 2

**Rubberdam isolation** and roughening the incisors enamel with microfine diamond burs.



#### Step 5

**Palatal build-up** of the central incisors using a silicon mold from our model wax-up (**Ceram•X™ E1-E2** enamel composite).



#### Step 6

**Vestibular build-up** of the central incisors using a little portion of **Ceram•X™ D1-D2** dentine composite covered by **Ceram•X™ E1-E2** enamel composite.



### Treatment plan:

- 1) Diagnostic wax-up made by the dental technician
- 2) Direct composite additions on the upper incisors made with **Ceram•X™ Duo** using a silicon key.
- 3) **Final finishing and polishing**

### After



**After** correction of the form of the four upper incisors with **Ceram•X™ Duo** composite.



#### Step 3

**Build-up** of the palatal enamel wall (**Ceram•X™ E1-E2**) of the lateral incisors using a silicon key.



#### Step 4

**Further build-up** of the lateral incisors using **Ceram•X™ D1-D2** dentine composite covered by **Ceram•X™ E1-E2** enamel composite.



#### Step 7

**Immediately after** placement of the direct composite additions. Black central triangle visible due to gingival retraction caused by rubberdam isolation.



#### Step 8

**Final finishing and polishing** with Enhance polishing points, Soflex discs, occlubrush and Prisma gloss Polishing Paste. Central papilla ingrowth visible.

## Material and method

A **diagnostic wax-up** was made by the dental technician. A palato-incisal silicone key was made on this diagnostic wax-up. After cleaning the teeth with pumice, **rubberdam** was placed and the central and lateral incisors were **roughened** by fine diamond burs. The enamel was etched with 37% phosphoric acid and bonded with **XP BOND®** universal total-etch adhesive. **Ceram•X™ Duo D1-D2-E1-E2** composite was applied by **layering technique** using the silicone key. Final finishing and polishing was done with Enhance Polishing points and Prisma Gloss Polishing Paste.

## Discussion and conclusion

Using the **Ceram•X™ Duo** as an anterior composite, a very satisfying and aesthetic result was achieved for the patient. The excellent aesthetics, handling and polishability makes **Ceram•X™ Duo** a very good composite to work with in a daily practice.