

## STAIN REMOVAL MICROABRASION AND BLEACHING

A case study demonstrating the stain removal properties of Opalustre on a young patient's iron-stained teeth



Figure 1



Figure 2



Figure 3

The patient, Juan Martín, presented at 10-years-old with staining to his upper teeth (Figure 1). At two-years-of-age, Juan was administered iron for nine months. As with tetracycline, iron stains are usually difficult to treat. It takes a long time (6-12 months) and they can rebound, in some cases they may need to be treated again in the future. In this case, the stains are minor.

The question from the dentist was, 'Will a bleaching treatment help?'

These stains can actually be treated with Opalustre (Ultradent) micro abrasion slurry which is a 6% hydrochloric acid and pumice mix. If necessary, Opalescence 10% (Ultradent) can be used following treatment.

### TREATMENT

The dentist prepares Juan Martín for the procedure. Cheek retractors and cotton rolls are placed to achieve a dry field (Figure 2). The gingiva is then sealed with OpalDam (Ultradent) (Figure 3).

Sealing with OpalDam or (Oraseal



Figure 4



Figure 5

Caulking) will assure that Opalustre will not leak through the rubber dam (Figure 4). With children, this is an additional protection, since rubber cups may entangle in the rubber dam (Figure 5). Covering the face will protect the patient from eventual splattering. The treatment will consist of five Opalustre applications (30 seconds per tooth) without using any pressure; Opalustre works chemically (chlorhidric acid) and mechanically (silicium carbide particles). The brush inside the OpalCup Bristle allows for intimate contact between Opalustre and the tooth (Figure 6).

Opalustre is easy to pick up when placed on the adjacent glove in small quantities



Figure 6

(Figure 7), avoiding splatter to the eyes and skin. This also avoids cross contamination.

Figure 8 shows the result after microabrasion and short treatment with

*Clinical case courtesy of Dr Cecilia Abaracón,  
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Figure 7



Figure 8



Figure 9



Figure 10



Figure 11



Figure 12

Flor Opal gel (Ultradent). Even if the patient didn't experience sensitivity, Flor Opal gel helps remineralise the teeth. The child's mother stated, 'We are delighted with the result, and my son smiles like never before! He is so happy!'

## RECALL

The patient returns for evaluation five months later. No further Opalustre sessions or bleaching with Opalescence are needed as the stains have almost completely vanished (Figure 9). The change is significant and surprising.

There are only slight interproximal stains on both upper incisors. This can be addressed with Opalustre and a StarBrush (Ultradent) or a Opalpix (Ultradent). The stained area is so tiny that it can only be perceived close-up or under magnification.

On the next visit the patient is prepared as shown before, products to be used are OpalDam, Opalustre and Flor-Opal. StarBrush is used to reach the interdental area (Figure 10). An Opalpix is used to ensure that Opalustre will work where it is needed (Figure 11) and finally, StarBrush is used again (Figure 12). Figure 13 shows the final result.



Figure 13

Opalustre and other Ultradent products are available from Optident  
Tel: 01943 605050  
[www.optident.co.uk](http://www.optident.co.uk)

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