



FINAL



INITIAL

Non-verbal autistic five-year-old male patient.

**CHIEF COMPLAINT:**

According to the patient's aunt, the patient takes his hand to the area on the right side of the face frequently, signaling pain, after meals, besides the fact that the last teeth on that side appears to have a medium cavity.

# RECOVERY OF DENTAL AND ESTHETIC FUNCTION, IN PEDIATRIC DENTISTRY AUTISTIC PATIENT, WITH THE USE OF THE OPUS BULK FILL FLOW AND OPUS BULK FILL COMPOSITES, UNDER ASSOCIATED SEDATION

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## INITIAL EVALUATION

After anamnesis and clinical examination, added by the periapical radiographic exam, carried out with extreme difficulty due to behavior issues, in march 2021, a carious lesion and cavity, without presence of fistula was noted in tooth 85.

## TREATMENT PERFORMED

- 1 - Periapical radiographic analysis of tooth 85 (Figure 1);
- 2 - The patient was initially conditioned with the enteral sedation technique and 20 minutes after the application, he looked very relaxed, and that was when the nose mask was placed, associating the inhalation sedation in the proportion of 50% of nitrous oxide gas and 50% oxygen. The patient was monitored for around 10 minutes with a table oximeter before beginning the procedure when the resting saturation was 98.98 SpO<sub>2</sub>% and 116 bpm (Figure 2);
- 3 - Prophylaxis of all upper and lower teeth with pumice paste;
- 4 - With relative isolation with cotton rolls and with the help of the behavioral sedation technique, it was possible to better control the drying of the operative field (Figure 3);
- 5 - Acid etching with *FGM CONDAC 37* 37% phosphoric acid for 20 seconds on the enamel and 15 seconds on the dentin;
- 6 - Washing and drying with air jet from a distance;
- 7 - Application of the *FGM Ambar APS* adhesive in two layers

(Figure 4), with air jets at a distance and photopolymerization for 10 seconds (Figure 5);

8 - Initially, the occlusal cavity of tooth 85 was filled with one layer of **Opus Bulk Fill Flow APS A1** (Figures 6, 7, and 8) and light-cured for 20 seconds;

9 - Next, the final increment for the finalization of the restoration was placed, using the composite **Opus Bulk Fill APS** (Figure 9), in the occlusal portion of tooth 85, respecting the anatomy of the element with the help of a fine brush and light-curing for 20 seconds;

10 - Finishing and polishing with *FGM Diamond Pro* polishing disks. The occlusion was checked with carbon paper in a faster way since the patient was beginning to show some restlessness due to the fact that the peak of the sedation had passed. The following procedures remained to be carried out in a following session;

11 - Result (Figure 10);

12 - Before and After (Figure 11).

## STEP-BY-STEP

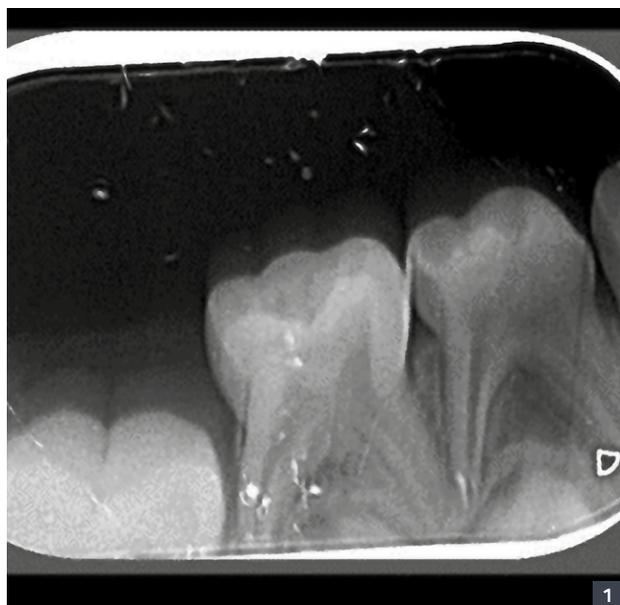


Fig. 1 Periapical radiography of tooth 85 | Fig. 2 Behavioral conditioning.



**Figs. 3a and 3b** Relative isolation with cotton rolls.



**Fig. 4** Adhesive etching with Ambar Universal (FGM). | **Fig. 5** Light curing after adhesive etching. | **Fig. 6** Use of the Opus Bulk Fill Flow A1 APS composite. | **Fig. 7** Placement of the Opus Bulk Fill Flow APS composite into the cavity of tooth 85.



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Fig. 8 FGM Opus Bulk Fill Flow APS light cured in the cavity of tooth 85. | Fig. 9 Second layer of the FGM Opus Bulk Fill APS A2 composite.



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Fig. 10 Before.  
Fig. 11 Final result.

FGM MATERIALS USED

