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Sagemax experience

NexxZr T Multi  
monolithic & Paint 3D  
by Dr. Xue Fangjin  
& Chen Long





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# Sagemax experience

Clinical treatment by Dr. Xue Fangjin

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**Dr. Xue Fangjin**

Director of Haoyou Dental Clinic



**Patient Information:**

Female, 43 years old.

**Chief Complaint:**

The patient requested removal of existing defective restorations and re-restoration to improve esthetics.

**History of Present Illness:**

Several years ago, the patient received resin veneers on the maxillary anterior teeth at an external institution. At present, the resin veneers have partially detached, show signs of aging, and cause food impaction, which prompted her visit to our clinic.

**Past Medical History:**

The patient denies a history of hypertension, diabetes, or other systemic diseases. She also denies any drug allergies and reports no history of temporomandibular joint disorders.



Initial situation.

## Treatment plan

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### 1. Objective:

To modify tooth morphology, achieve slight lingual/palatal retraction, and restore esthetics. Target shade: 1M2.

### 2. Examination:

Clinical examination of the temporomandibular joints and occlusion revealed no significant abnormalities. The patient presents with a short maxillary labial frenum. Periodontal conditions were acceptable, and frenectomy was not indicated at this stage.

### 3. Procedure:

The existing resin veneers on the maxillary anterior teeth were purely additive, with no significant tooth reduction. Therefore, tooth preparation was planned based on the existing occlusal relationship, followed by the fabrication of provisional restorations.

### 4. Restorative Materials:

Due to deep brown cervical discoloration of teeth #11 and #12, the restorative plan included zirconia veneers for teeth #23, #22, #21, #11, and #12, and a zirconia full crown for tooth #13.



After preparation.



Shade determination of the abutment teeth.

## Technical implementation by Chen Long



**Chen Long**

Technician Director of Shanghai  
Sandao Dental Lab

### Lab Side:

Based on the shade guide photographs, abutment teeth #11 and #21 exhibited noticeable discoloration, making masking necessary. A resin die was fabricated to accurately simulate the intraoral color of the abutment teeth, providing a reliable basis for the subsequent veneer fabrication.

After polishing the zirconia to fully express its intrinsic color, a low-temperature pre-sintering firing was performed. Subsequently, Sagemax Paint 3D staining system was applied, followed by a final glazing firing.



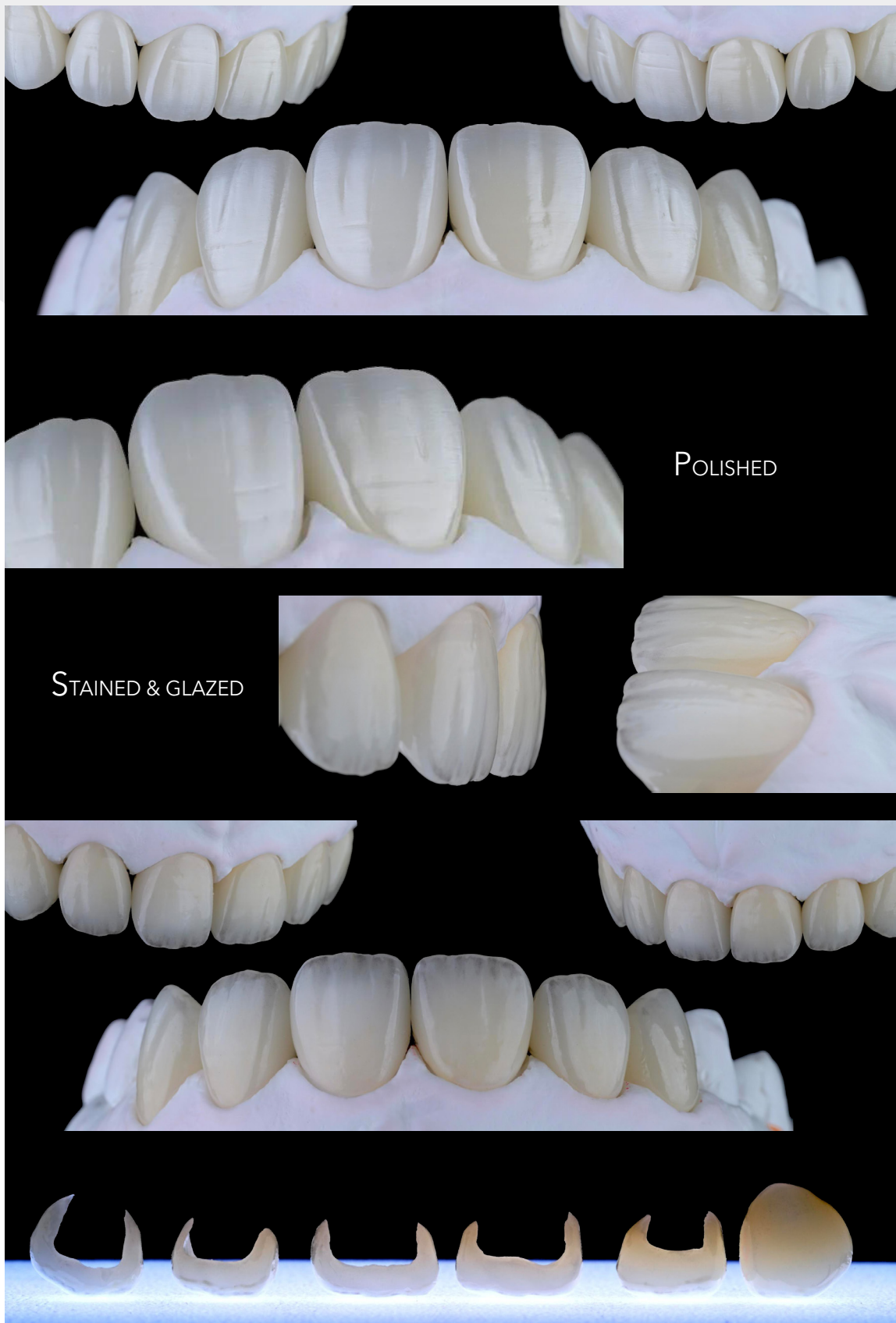
Realistic, full-color dental model.



Fabrication of the veneers and crown using NexxZr T Multi.



## Finalization of the veneers and crown



Natural morphological design and characterization of the veneers and crown.

## Insertion of the restorations



SMILE DUO

MONOLITHIC  
ZIRCONIA



Finished restorations.



Insertion of the veneers and crowns in the patient's mouth.



Final result

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Immediately after insertion.

## Before and after



The final result appears very natural. The patient is extremely happy and grateful for her new smile.

### Dental designers



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