# Dental Implant in Esthetic Zone with Tissue loss&Gingival Pigmentation

Ichier Dental

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AFFLIATIONS: Wuhan Ichier Stomatological Hospital

## General Information

Patient: YE, male, 36Y

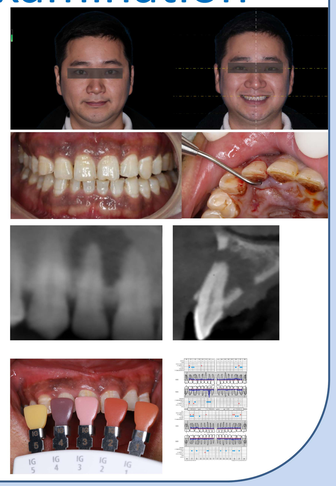
Chief Complaint:
pain in the right upper anterior teeth for a week

Current Medical History: the patient suffered from unexplained swelling and pain in the right upper anterior teeth for more than two years, which aggravated consciously in the past week. He requested treatment and solved the problem of gingival pigmentation.

Smoking for more than 10 years, 15 cigarettes / day.

## Clinical Examination

· Facial symmetry, normal proportions
· 11,12 percussion (+) 12looseness II ° pd 18
· 12 low-density image in apical area
· Severe gingival pigmentation
· Periodontal basically normal



## Diagnosis

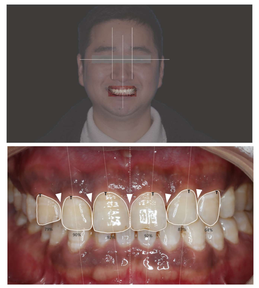
· 11 periapical periodontitis
· 12 Periapical periodontitis
· 12 periodontal disease
· Gingival Pigmentation

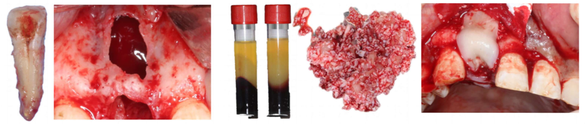
## Treatment Plan

· DSD
· 11 root canal therapy
· 12 Site Preservation
· 12 implant&immediate restoration + soft tissue augmentation
· 11, 12 final restoration
· Gingival melanin removal

## Treatment Procedure

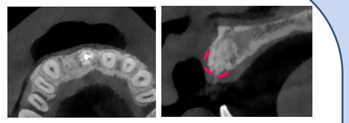
· M-L laugh line
· Aesthetic elements such as gingival papilla were basically normal before surgery

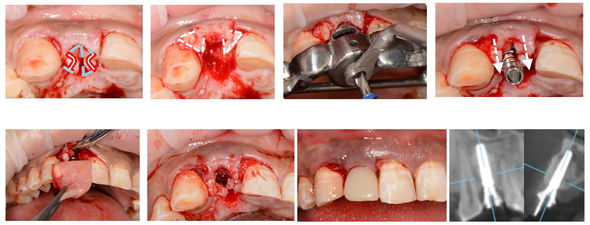




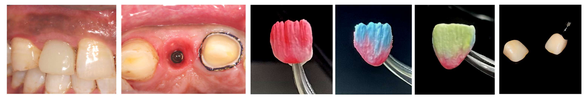
⬆ Tooth extraction&site preservation

· 6 months later ➡



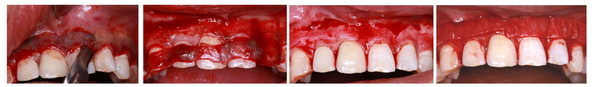


⬆ Improved Omega surgical flap
⬆ Soft tissue augmentation
⬆ Immedita restoration



⬆ 6months later final restoration
⬆ few black triangle

· 1 year later ➡
Aesthetic elements recovered well



⬆ gingival pigmentation removal
⬆ membrane cover

## Result

· preopretive · 1 week · 1 month

· 1 year

## Discussion

The cause of the disease is deformity of lingual groove, with a large lesion area. The special point is that the patient needs to solve the problem of gingival melanin in the aesthetic area. Therefore,the mutual interference of various surgical operations makes the preoperative design should be more logical. what is the most important, the blood supply and minimally invasive surgery should be done during the implantation, so as to reduce the scar and improve the quality of soft tissue for the subsequent gingival pigment removal surgery.

## DISCLOSURE OF INTEREST

There is no conflict of interest