

Case Report :

Camouflage treatment for unilateral cleft lip and palate with anterior crossbite and congenitally missing teeth

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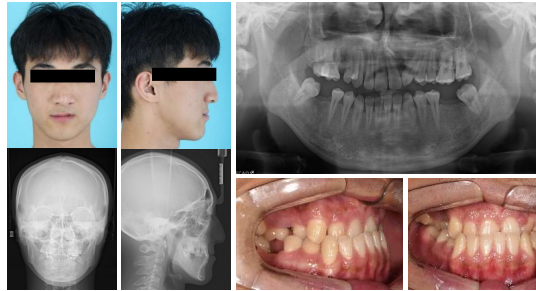


Introduction

- Patients with cleft lip and palate (CLP) show lack of maxillary growth, even if they go through series of reconstruction process from early age.
- In this case report, we report a case of a skeletal Class III patient with unilateral cleft lip and palate (Left) who successfully achieved proper overjet without orthognathic surgery.

Patient information

- Age & Gender : 18Y / Male
- PMH : Unilateral cleft lip and palate, left

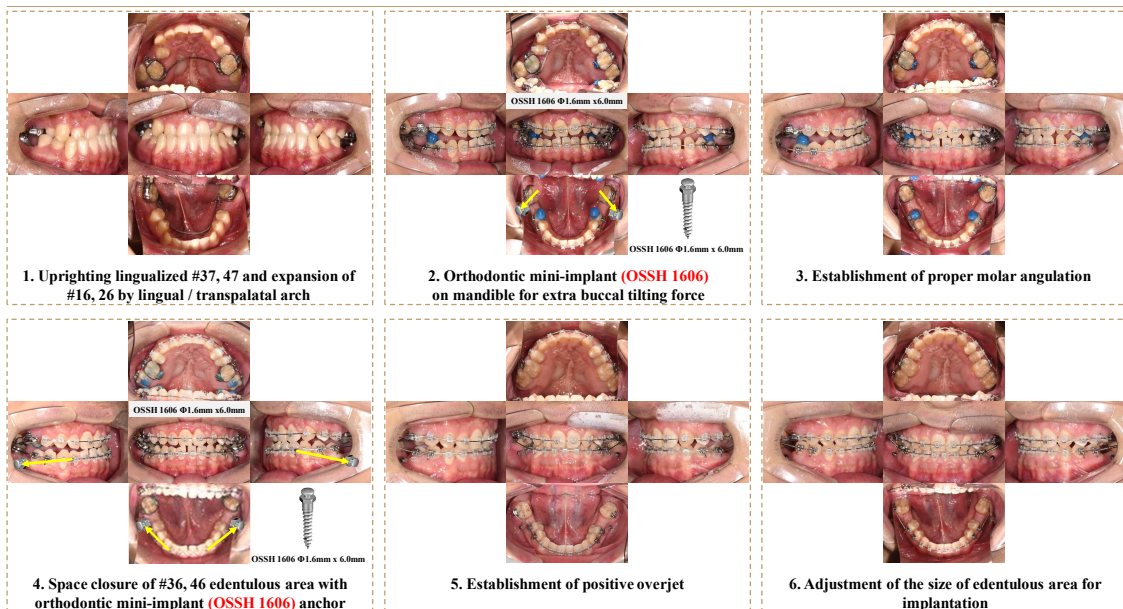


• Cephalometric analysis

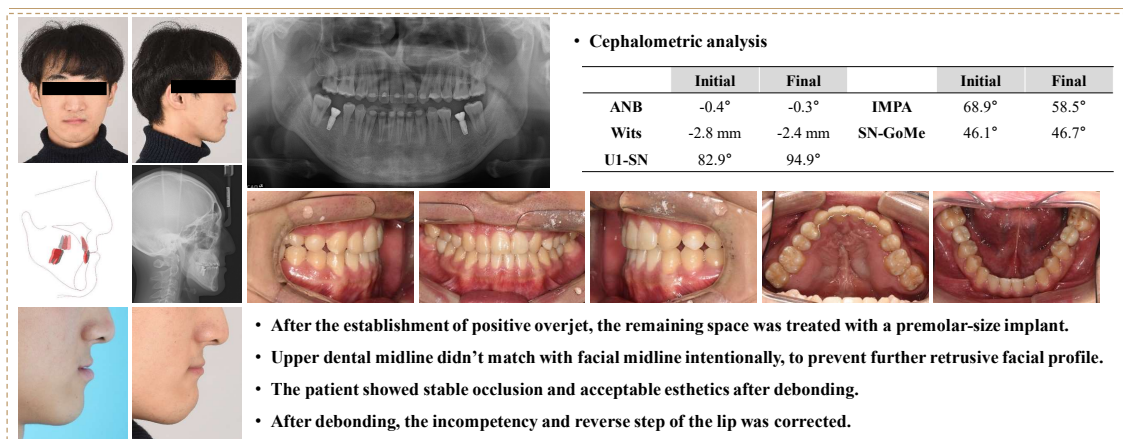
	Mean	Initial		Mean	Initial
ANB	+2.0°	-0.4°	IMPA	95.0°	68.9°
Wits	-2.0 mm	-2.8 mm	SN-GoMe	32.0°	46.1°
UI-SN	107.0°	82.9°			

- Diagnosis: Skeletal Class III
with unilateral cleft lip and palate, left
with congenital missing state of #15, 22, 36, 46

Treatment Progress



Results



Conclusions

- Orthodontic treatment for patients with CLP is challenging considering their lack of maxillary growth.
- But by selecting an appropriate case and applying the proper anchorage system, an anteroposterior discrepancy of cleft lip and palate patient can be managed without orthognathic surgery.