



## OP-12 구연

**구순구개열에서 Maxillary distraction 의 효과 에 대한 고찰**이지나  
이지나 치과의원

In this presentation, what happens to each component of dentofacial complex after maxillary distraction with RED will be discussed. 23 cleft patients between the age 6 to 12 years were diagnosed as severe maxillary hypoplasia. Le fort I maxillary osteotomy was done prior to RED placement. Distraction of 1 millimeter per day for 3 weeks and subsequent retention with a face mask for 3 month protocol was applied. Due to the sutural connection of the maxillary bone to the adjacent facial bones, each areas of the dentofacial component show different treatment effect.

## OP-13 구연

**Clinical approaches for skeletal Class III cases without premolar extraction**Zuisei Kanno\* Choo-ryung  
CHUNG, Yoonji KIM,  
Kunimichi SOMA  
Tokyo Medical and Dental University

Various reasons motivate patients to visit the orthodontic clinic, however the most frequent request is I want a good-looking smile. or I want to look better, and chew better. Certain degree of these patients are associated with skeletal problems and they are better treated with orthodontics/orthognathic surgery combined therapy, or premolar extraction, at least to an orthodontist's eye. However in Japan, not all patients accept surgery or extraction, leading orthodontist to seek alternative treatment protocols, which will also meet the satisfaction of both patients and orthodontists. Looking into some of these clinical cases, specifically focus on skeletal class 3 camouflage-treatments without extraction, we would like to share some of our strategies, and clinical considerations for adult cases and in growing adolescents.

Even though skeletal relationship was camouflaged, and compensated, we also aimed for maximum improvement of the profile. For brief introduction of the cases, cross-bite was corrected using the modified MEAW technique by uprighting and distalizing the lower molars, without any premolar extraction, which resulted in improvement of the occlusion and the profile.

## OP-14 구연

**New combined orthodontic-periodontal treatment on periodontal patients with anterior displaced incisors**Shi Jie  
Peking University

(Objectives) Combined orthodontic-periodontal treatment with circumferential fibrotomy was undergone on the periodontal patients with anterior displacement of incisors. Evaluation of the changes before and after treatment. (Methods) Periodontal indices, periapical x-ray analysis, and model analysis were used for