



EXTRACTION vs. NONEXTRACTION IN ORTHODONTIC CASES



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INTRODUCTION

Orthodontic treatment helps bring teeth in alignment. Extractions in orthodontics remain a relatively controversial area that we face in our daily orthodontic practice.

To extract or not to extract?

Advantages of extraction approach:

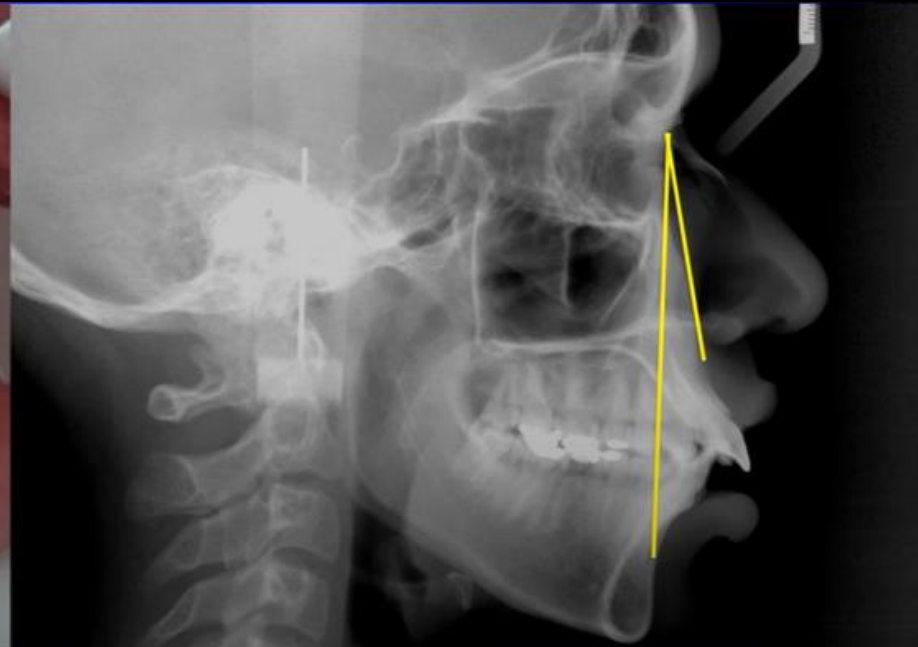
- 1. Stability of the treatment**
- 2. Less protrusive facial appearance**
- 3. Controllable outcomes**
- 4. Little gingival recession**

Need for extraction?!?

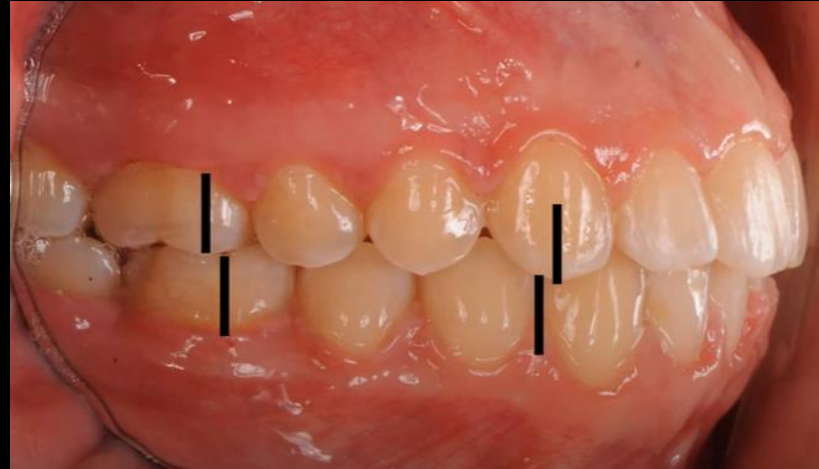
1. Arch length-tooth material discrepancy



2. Correction of sagittal discrepancy



2. Correction of sagittal discrepancy



3. Position of the tooth



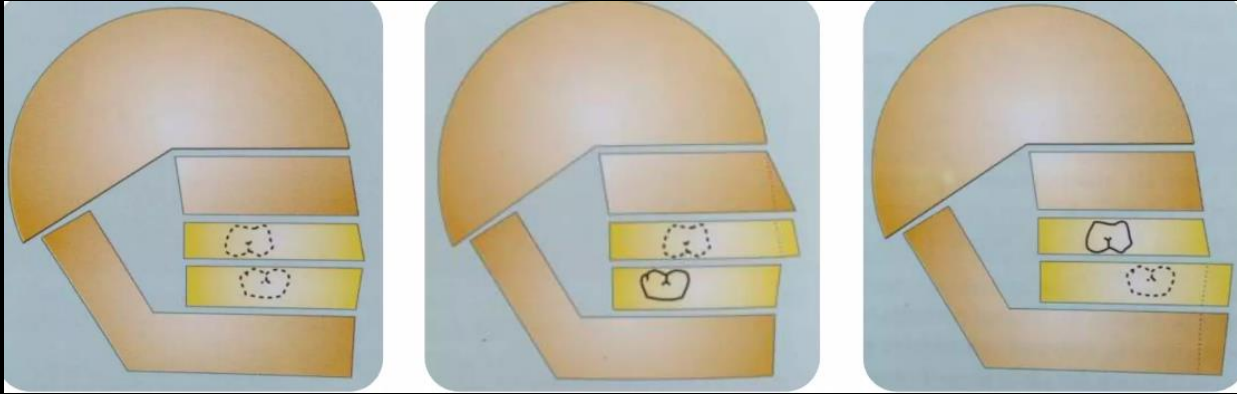
4. Position of the crowding



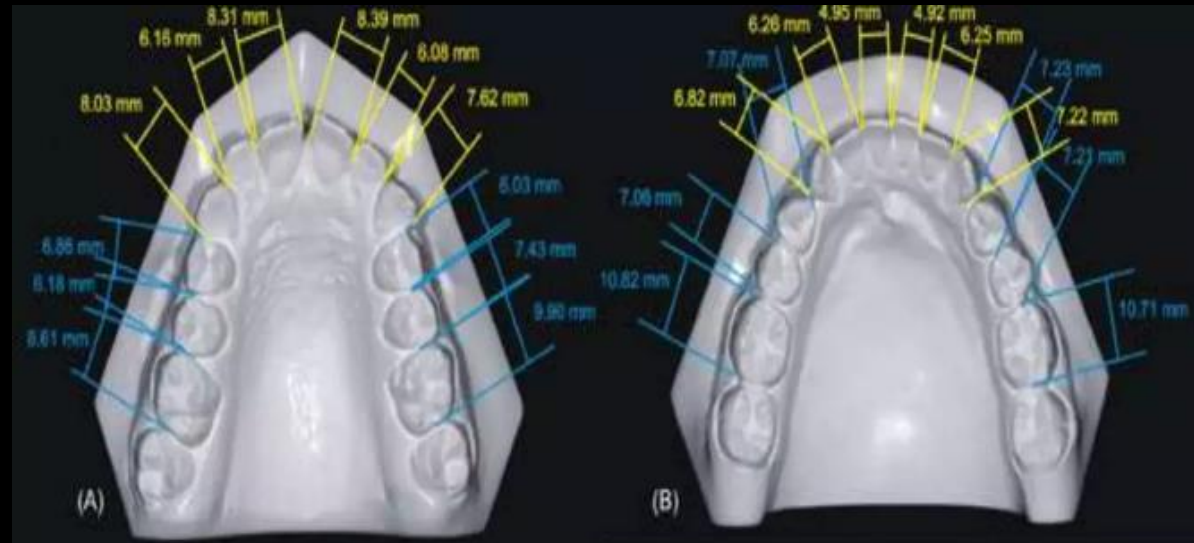
OBJECTIVE

The aim of this case report is to present the need of tooth extractions in cases for treating crowding and increased overjet in order to create space in the arches but also to improve **facial esthetics** and **treatment stability**.

1. Clinical examination: profile, lip competence, VTO, age and growth.



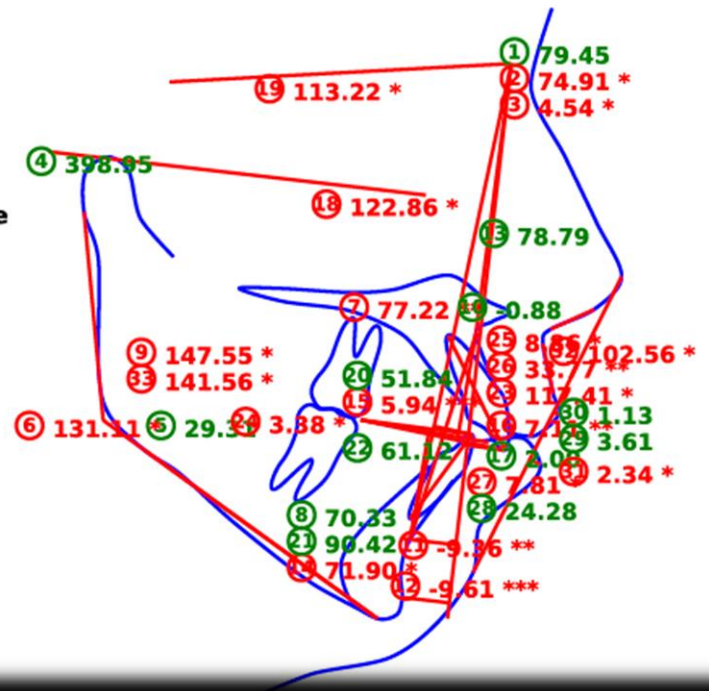
2. Model analysis:



3.Ceph. analysis:



- ① SNA
- ② SNB
- ③ ANB
- ④ Bjork sum
- ⑤ FMA
- ⑥ Gonial angle
- ⑦ APDI
- ⑧ ODI
- ⑨ Combination factor
- ⑩ A to N-Perp(FH)
- ⑪ B to N-Perp(FH)
- ⑫ Pog to N-Perp(FH)
- ⑬ FH to AB
- ⑭ A-B to mandibular plane
- ⑮ Wits appraisal
- ⑯ Overjet
- ⑰ Overbite
- ⑱ U1 to FH
- ⑲ U1 to SN
- ⑳ U1 to UOP
- ㉑ IMPA
- ㉒ L1 to LOP
- ㉓ Interincisal angle
- ㉔ Cant of occlusal plane
- ㉕ U1 to NA(mm)
- ㉖ U1 to NA(deg)
- ㉗ L1 to NB(mm)
- ㉘ L1 to NB(deg)
- ㉙ Upper incisal display
- ㉚ Upper lip to E-plane
- ㉛ Lower lip to E-plane
- ㉜ Nasolabial angle
- ㉝ Extraction Index



RESULTS

After the treatment with extractions, we established acceptable, aesthetic and functional occlusion based on an accurate diagnosis and treatment plan in conjunction with good patient cooperation, appliance selection and management of the treatment.

CONCLUSION

While we recommend preserving natural teeth whenever possible, extractions of specific teeth are sometimes required in various presentations of malocclusions.

In any malocclusion it is necessary to evaluate the patient's dental, facial and skeletal characteristics to establish correct diagnosis and effective treatment plan.

Many factors influence the choice of teeth for extraction and careful treatment planning in conjunction with good patient cooperation, appliance selection and management of the treatment are essential.

THANK YOU FOR YOUR KIND ATTENTION

