

# Oral health related quality of life, psychosocial effects and self-esteem among patients receiving orthodontic treatment; comparison between labial and 2D-lingual fixed orthodontic appliances - Case Report

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## Statement of the Problem

In recent years, the percentage of adult orthodontic patients has arisen. Adult patients prefer lingual braces more than the labial ones due to esthetic reasons. Lingual appliances can be comparable with labial appliances.

## Case

- A pair of female adults (twins) were referred to our clinic.
- Same chief complaints of minor crowding and un-esthetic smile.
  - No medical history.
- Skeletal Class I relationship, normal profile and minor crowding in both arches.
  - One of them underwent orthodontic treatment with buccal fixed orthodontic appliances. The other had orthodontic treatment with 2D lingual fixed orthodontic appliances.

## Aim

Among patients receiving lingual and labial orthodontic treatment, we aim to investigate the:

- changes related to “oral health related quality of life”
- changes related to “self-esteem” and
- oral impacts during treatment.

## Materials and Methods

Our case is based on 3 valid questionnaires:

1. OHIP-14
2. Vas
3. Rosenberg Scale

Their answers were used to quantify the differences between the two different treatment modalities throughout treatment.

## Results

**At both cases** → Esthetically pleasing and ideal dental and skeletal occlusion was achieved.

**Lingual treatment** → The lingual patient showed better response regarding quality of life and psychology.

## Conclusion

This case shows a successful orthodontic treatment plan in both methods, with the lingual treatment playing a truly important role in the patient’s everyday life and psychology.

## REFERENCES

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