

# Orthodontic Treatment and its Impact on Oral Health

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## Perspective

**Received:** 26-Dec-2024, Manuscript No JDS-24-156506; **Editor assigned:** 31-Dec-2024, Pre QC No. JDS-24-156506 (PQ); **Reviewed:** 14-Jan-2025, QC No. JDS-24-156506; **Revised:** 09-Mar-2026, Manuscript No. JDS-24-156506 (R); **Published:** 16-Mar-2026, DOI: 10.4172/2320-7949.14.1.004

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**Citation:** Elledge D. Orthodontic Treatment and its Impact on Oral Health. RRJ Dental Sci. 2026;14:004

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## DESCRIPTION

Orthodontic treatment is a dental specialty focused on correcting misaligned teeth and jaws to improve both appearance and function. While it is widely known for enhancing the aesthetic appeal of a smile, orthodontics also provides significant benefits to overall oral health. This article explores how orthodontic treatment can address issues such as tooth decay, gum disease, bite problems, and even speech difficulties.

Proper tooth alignment is crucial for maintaining good oral hygiene. Misaligned teeth are harder to clean effectively, leading to plaque buildup. Plaque, if not removed regularly, can harden into tartar, causing tooth decay and gum disease. When teeth are crooked, it becomes difficult to clean between them, increasing the risk of oral health problems.

Orthodontic treatment, through methods like braces or clear aligners, helps reposition the teeth, making them easier to clean and reducing the risk of cavities and gum inflammation. Patients who undergo orthodontic treatment often report better brushing and flossing habits, resulting in a significant decrease in dental issues.

### **Addressing bite problems**

Orthodontics also corrects bite issues, such as overbites, underbites, crossbites, and open bites. These bite problems can lead to uneven pressure on the teeth and jaw, causing discomfort, difficulty chewing, and even jaw pain. Over time, misaligned bites can result in worn-down teeth, enamel erosion, and Temporomandibular Joint (TMJ) disorders, which affect the jaw's muscles and joints.

By realigning the teeth and jaws, orthodontic treatment not only alleviates pain but also ensures that teeth meet properly when chewing. This reduces the risk of tooth wear, jaw strain, and other issues, preventing more serious problems in the future.

### **Enhanced speech and function**

Misaligned teeth can interfere with speech, making it hard to pronounce certain words. For example, an overbite or underbite can make it difficult to pronounce sounds clearly, leading to speech impediments. Orthodontic treatment can improve speech clarity by realigning the teeth and jaws, allowing for better pronunciation.

In addition, misaligned teeth can also affect chewing and swallowing. Malocclusion (improper alignment) can cause difficulty biting and chewing food properly, which may result in digestive issues or discomfort. Orthodontics restores normal bite function, making chewing easier and reducing the risk of associated digestive problems.

### **Psychological and emotional benefits**

Orthodontic treatment also has a significant psychological impact. Many people with crooked teeth or bite problems feel self-conscious, which can affect their social interactions and overall self-esteem. By improving the appearance of a person's smile, orthodontics can lead to better confidence and emotional well-being.

Studies show that individuals who are happy with their appearance are more likely to engage socially and professionally. For children and teens, orthodontics can reduce the risk of bullying related to crooked teeth, fostering a positive mental outlook.

### **Long-term oral health benefits**

The benefits of orthodontic treatment extend well beyond the treatment phase. Once teeth are properly aligned, individuals are more likely to maintain good oral hygiene habits. Better alignment makes it easier to clean the teeth, reducing the likelihood of cavities, gum disease, and other oral health issues in the future. Additionally, orthodontics can prevent the need for more invasive dental procedures later in life. Early intervention helps guide the growth of the teeth and jaw, minimizing the risk of complex dental issues in adulthood.

## **CONCLUSION**

Orthodontic treatment offers more than just cosmetic improvements; it plays a vital role in enhancing overall oral health. By addressing issues such as tooth decay, gum disease, bite problems, and speech difficulties, orthodontics helps individuals maintain better oral hygiene, function, and quality of life. The long-term benefits make orthodontics an essential aspect of dental care, contributing to healthier, more confident smiles.