

The Influence of Modern Orthodontic Techniques on Oral Health

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DESCRIPTION

Orthodontics is a branch of dentistry that has evolved significantly over the years, transforming not only the smiles of millions but also the lives of those who benefit from its innovations.

The word "orthodontics" itself is derived from the Greek words "ortho," meaning straight, and "odont," meaning tooth. It aptly describes the practice of aligning and straightening teeth to achieve a harmonious, functional, and aesthetically pleasing smile.

While many people associate orthodontics with traditional metal braces, the field has seen remarkable advancements that offer more comfortable, discreet, and efficient solutions. This article discusses about the world of orthodontics, its history, contemporary treatments, and the impact it has on individuals' oral health and self-confidence.

Modern orthodontic treatments

Orthodontics has come a long way since its inception. Today, orthodontists have an array of innovative treatments at their disposal to address a wide range of dental and orthodontic issues. Some of the most notable advancements in modern orthodontics include:

Invisalign: Invisalign has revolutionized orthodontic treatment by offering a nearly invisible alternative to traditional braces. It employs a series of clear, removable aligners to gradually shift teeth into their desired positions. Invisalign aligners are not only discreet but also more comfortable and convenient for patients.

Lingual braces: Lingual braces are placed on the inner surface of the teeth, making them virtually invisible to others. This approach is especially popular among adults who want to straighten their teeth discreetly.

Clear braces: Clear braces are similar to traditional metal braces but use clear or tooth-coloured brackets and wires, making them less conspicuous while maintaining the effectiveness of traditional braces.

Accelerated orthodontics: New techniques and technologies have emerged to speed up orthodontic treatment, reducing the time patients need to wear braces or aligners.

3D imaging and treatment planning: Orthodontists now use cutting-edge 3D imaging and treatment planning software to create precise treatment plans, ensuring optimal results and efficiency.

The impact of orthodontics on oral health

Orthodontics is not merely about aesthetics it plays a crucial role in improving oral health. Crooked or misaligned teeth can lead to a variety of dental issues, including:

Tooth decay: Misaligned teeth are harder to clean, making them more susceptible to tooth decay and gum disease.

Jaw pain: Malocclusions and misaligned bites can lead to chronic jaw pain, headaches, and even Temporomandibular Joint (TMJ) disorders.

Speech problems: Severe misalignment can impact speech patterns and pronunciation.

Digestive issues: Difficulty chewing due to misaligned teeth can hinder the digestion process.

Low self-esteem: The psychological impact of crooked teeth should not be underestimated. Individuals with misaligned teeth often suffer from low self-esteem and may avoid smiling, which can affect their overall well-being.

Orthodontic treatment addresses these issues by aligning the teeth and correcting the bite, thus promoting better oral health, improved speech, and increased self-confidence.

The transformative power of orthodontics

Beyond its physical and oral health benefits, orthodontics has the power to transform lives. The journey to a straighter smile often goes hand in hand with increased self-esteem and confidence. Many individuals who undergo orthodontic treatment find themselves smiling more freely, feeling better about their appearance, and enjoying a boost in their overall quality of life.

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Received: 27-Oct-2023, Manuscript No. JOY-23-28715; **Editor assigned:** 30-Oct-2023, PreQC No. JOY-23-28715 (PQ); **Reviewed:** 13-Nov-2023, QC No. JOY-23-28715; **Revised:** 20-Nov-2023, Manuscript No. JOY-23-28715 (R); **Published:** 27-Nov-2023, DOI: 10.35248/JOY.23.7.689

Citation: Hery F (2023) The Influence of Modern Orthodontic Techniques on Oral Health. J Odontol. 7:689.

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For teenagers, the impact of orthodontic treatment can be particularly profound. Adolescence is a time when self-image is forming, and the ability to smile confidently can make a significant difference in a young person's life. Orthodontic treatment can alleviate social anxiety and enhance a teenager's self-assurance as they navigate the challenges of adolescence.

The future of orthodontics

As technology continues to advance, the field of orthodontics will likely see even more exciting developments in the future. Some potential future trends in orthodontics include:

Customized treatment: Advances in digital technology may enable orthodontists to create highly customized treatment plans tailored to each patient's unique needs and goals.

Minimally invasive approaches: Orthodontic treatments may become even less invasive, reducing discomfort and treatment duration further.

Tele orthodontics: Remote monitoring and virtual consultations could become more common, making orthodontic care more accessible.

Regenerative orthodontics: Research into regenerative treatments may lead to innovative approaches to orthodontics that promote the natural regeneration of tissues, potentially reducing the need for extractions.