THE DJC SMILE TEXTBURK

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A look into types of bites and the appliances we use in our office to correct them

CLASS 10CCLUSION

A class I occlusion is when the upper first molar aligns with the grooves of the lower first molar, creating a normal relationship between the teeth of the lower and upper jaw.



CLASS 2 OCCLUSION

When the upper First molar is posterior (more towards the back of the mouth) than the Lower first molar, creating an off balance relationship between the teeth of the upper and lower jaw

See the teeth don't fit together in zipper pattern

creates overjet here

CLASS 3 OCCLUSION

When the lower first molars are too far forward in relationship to the upper first molar, creating a severe underbite. Creating a severe of balance relationship between the teeth of the upper and lower jaws. (Also known as underbite, see on next page)

lower molars forward



underbite



corrected



When the lower teeth protrude further out than the upper teeth, creating a misalignment or class 3 occlusion!

Before – lower teeth forward



— After correction

CROSSBITE

A misalignment of teeth where the upper teeth fit inside of the lower teeth. This can affect just one tooth or a whole group of teeth in the front or back!

There are 2 types of crossbite:

Posterior: when the back teeth are affected -> upper teeth sit inside of bottom teeth.

Anterior: when the front teeth are affected -> upper teeth sit behind the bottom teeth. (Not the same as underbite)



Posterior crossbite





Anterior crossbite

OPEN BITE

A malocclusion in which teeth do not contact each other.

Posterior: the back teeth do not touch

Anterior: the front teeth do not touch

Before







After







APPLIANCES

Any device, attached or removeable, that is designed to move the teeth, change the position of the jaw, or hold the teeth in their finished positions

Fixed appliance: an orthodontic appliance that is bonded to the teeth and cannot or should not be removed by the patient

Removable appliance: an orthodontic appliance that is removable by the patient

Functional appliance: a type of orthodontic appliance that uses jaw movement and muscle action to place selective force on the teeth and jaw. Can be removeable

Auxiliary appliance: an orthodontic appliance that can be attached to a fixed appliance

BRACES

Fixed orthodontic appliances, comprised of brackets and wires



InBrace: braces that go behind the teeth - completely hidden





Lightforce: 3D printed clear braces





Clear removable appliances that are used to move teeth







The tooth colored "bumps" placed on teeth during clear aligner treatment. They help move the teeth while a patient wears aligners. They are removed once treatment is complete



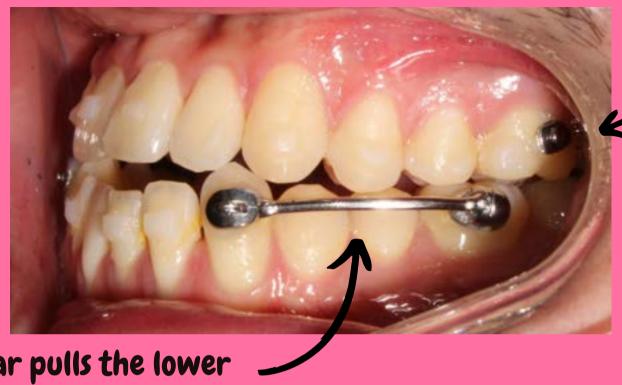


front ← attachments
you might not be able to see above



CARRIERE (MOTION APPLIANCE)

This appliance moves the upper and lower teeth for a more aligned bite. This fixes class II or class III bites. By aligning the bite before the transition to braces or aligners, total treatment time can be greatly reduced.



Buttons for elastics

The bar pulls the lower teeth forward



Before After



An orthodontic appliance that can widen the jaws.

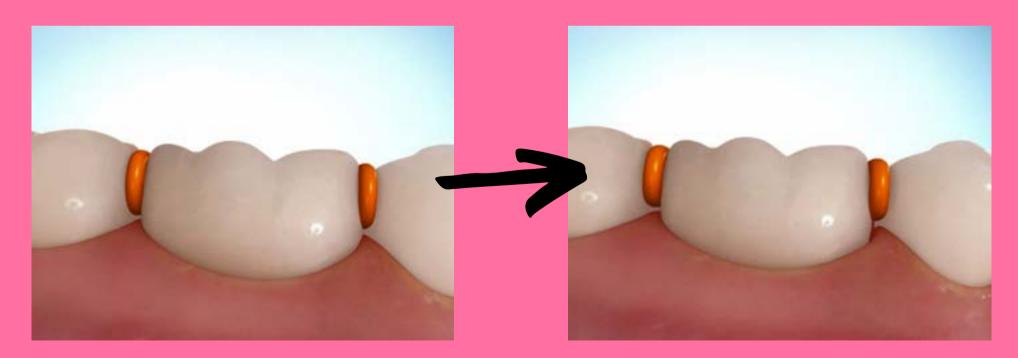
Expanders help cross bites!





An elastic 0-ring placed between the teeth to create space for placement of orthodontic bands





HERBST APPLIANCE

This appliance is used to move the lower jaw forward with a gentle force. It redirects and harnesses the natural growth that occurs in the lower jaw. It can be fixed and cemented to teeth on both arches using steel crowns. An expansion screw may be used to widen the upper jaw at the same time.

What the appliance looks like









MARA = Mandibular Anterior Repositioning Appliance

An appliance used to bring the lower jaw forward to correct an excessive overjet

This appliance is used for class II correction



Side view of the MARA – looks like a metal "arm" in the mouth

How the MARA appliance looks on one of our patients



HEADGEAR

Orthopedic, auxiliary appliance that is worn to help guide growth of the face and jaw.

Cervical Headgear: Moves the upper teeth and jaw backward into proper position

Reverse-pull headgear/facemask: used for underbite correction and gently pulls the upper jaw forward which allows it to catch up with the lower jaw

Cervical Headgear





Reverse-Pull Headgear



Jaw Before



Jaw After



Jaw Comparison

RETAINER

A fixed or removable appliance worn after braces are taken off or aligner therapy is complete. Retainer wear is for life!

Hawley Retainer : a removable retainer made of wire and acrylic material

Essix Retainer : a removable retainer made of a clear, plastic-like material

Bonded Lingual: a wire bonded to the backs of the teeth to hold everything in place

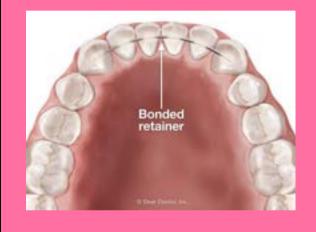
Hawley Retainer

Essix Retainer

Bonded Lingual











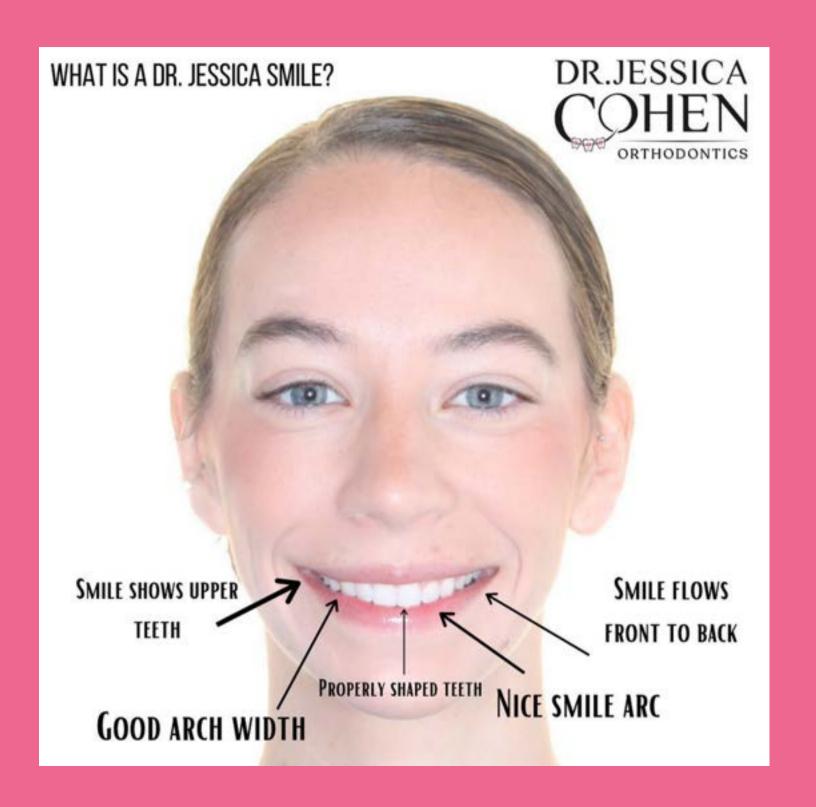


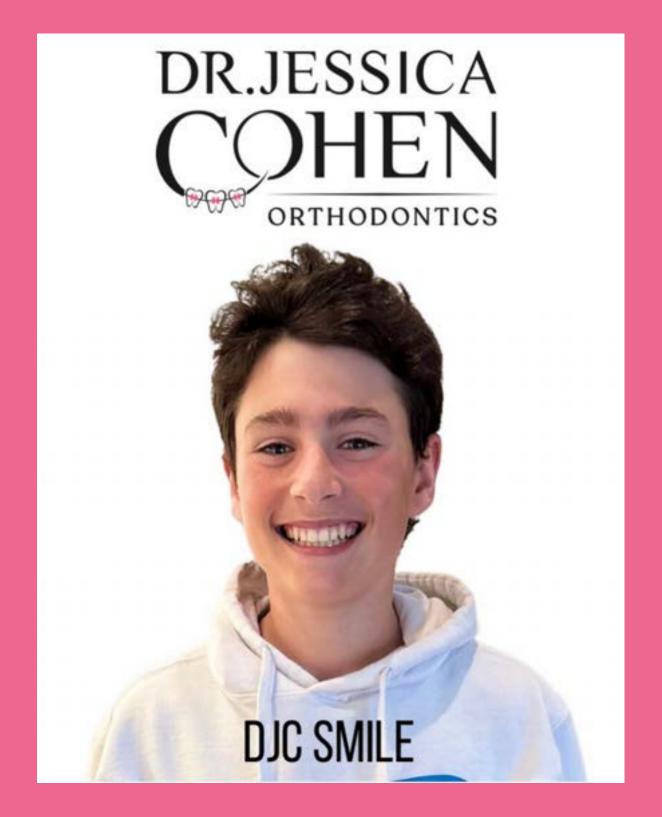
Bonded Wire with Pontic Teeth

A wire bonded to the backs of the teeth with pontic teeth attached



What is a DJC Smile?





DR.JESSICA ORTHODONTICS