

invisible^{braces}

AT OCTAGON ORTHODONTICS WWW.OCTAGONORTHODONTICS.COM

BRACES
FOR ADULTS
IT'S NEVER
TOO LATE!

invisalign[®]
FOR KIDS
& TEENS



REAL LIFE
EXAMPLES
OF TREATED
CASES INSIDE



LATEST DIGITAL
TECHNOLOGY
USED TO SCAN
YOUR TEETH

A MODERN APPROACH TO STRAIGHTENING TEETH FOR CHILDREN, TEENAGERS & ADULTS

Teens and parents today want more than straight teeth, they want faster treatment, less pain/discomfort, and convenience.

Doctors who deliver great outcomes and a great experience will succeed in this changing, competitive orthodontic environment.

Continuous innovation with \$1B invested in research and development that allows Invisalign treatment to move not only teeth but the roots effectively and efficiently with our proprietary material and attachments.



LIFESTYLE

Invisalign is not disruptive because the aligners are removable, you can easily take them in and out to continue enjoying the food you love without any restrictions. For those who participate in contact sports, Invisalign clear aligners can be removed before you play.



Teens using Invisalign treatment are significantly more likely to recommend Invisalign treatment than teens treated by metal braces are to recommend metal braces.

The Net Promoter Score among teens for Invisalign treatment is 4x compared to metal braces.

Shorter treatment times, fewer appointments and nearly no emergency appointments mean less disruptions and greater quality of life for all.

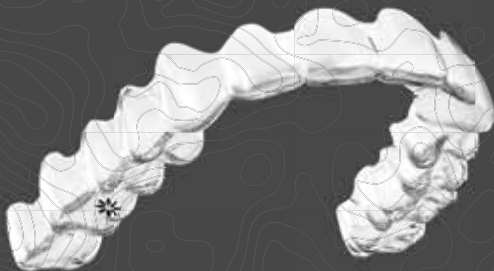


PROCESS

Our state-of-the-art digital treatment planning tools mean you only need short and usually non-invasive visits to your Invisalign Provider every 6 to 8 weeks. They'll provide you with your next series of aligners to take home – so you can change them every 1-2 weeks, wherever you might be.



invisalign[®]
made to move



PATIENT EXPERIENCE

91% of experienced Invisalign orthodontists rate the teen patients' experience with Invisalign treatment better than with braces.

What the experts say:

94% of experienced Invisalign orthodontists say teens in their practice are compliant with Invisalign treatment.

What patients say:

Invisalign clear aligners are less painful than metal braces among teens.



SPEED

By changing your Invisalign aligners every week rather than every two weeks, you can achieve the smile you want in as little as 3 months. That's up to 50% faster than before

What the experts say:

Multiple studies have found that Invisalign treatment completed 5 months faster on average than treatment with fixed appliances.

What patients say:

Straightening teeth faster is the top rated advantage of clear aligner treatment by patients.



RESULTS

Invisalign clear aligners deliver results (outcomes) equivalent to (as good as) braces (wires and brackets/fixed appliances).

Call your preferred practice about Invisalign TODAY...

High Wycombe
01494 513797

Beaconsfield
01494 681367

Denham
01895 831049

London, Ealing
0208 566 9567

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Additional sources:

Invisalign - www.invisalign.com

Align Technology, Inc
www.aligntech.com

American Association of Orthodontists
www.aaoinfo.org

The World Federation of Orthodontists
www.wfo.org



Dr. Peter Ilori

TOP 50 INVISALIGN PROVIDER IN EUROPE

- ✱ INVISALIGN PREFERRED PROVIDER
- ◆ DIAMOND INVISALIGN DOCTOR
- 1000 TREATED OVER 1000 INVISALIGN PATIENTS
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Visit our website for more information:
www.octagonorthodontics.com

MEET THE CLINICIANS



PRINCIPAL ORTHODONTIST
 DIAMOND INVISALIGN DOCTOR
 TREATED OVER
 1000 INVISALIGN PATIENTS
 INVISALIGN SPEAKER LECTURER

Dr Peter Illori

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 M.Orth[Edin.] M.Orth[Eng.] MBA [Brunel]

**SPECIALIST
 IN ORTHODONTICS**

Welcome to Octagon Orthodontics which is the premier provider of braces for adults and children in Bucks, Berks, Middlesex, Oxford and West London. With our clinics in High Wycombe, Beaconsfield, Denham and Ealing, accessibility is easy for everyone looking for modern invisible braces or any type of orthodontic treatment to correct crooked teeth or bad bites. The Octagon Orthodontics specialist team is led by Dr Peter Illori who has over 27 years of dental/orthodontic experience and is an Invisalign Diamond provider. Octagon Orthodontics has been the largest provider of NHS and private brace services in Buckinghamshire and Thames Valley region since its inception in late 1996.

At Octagon Orthodontics we specialise in dental braces (also known as orthodontic braces, or simply braces) which are devices used to align and straighten teeth and help to position them in the correct bite, while also working to improve the dental health of adults or

children. Orthodontic braces are used to correct malocclusions (bad bites), overjets, overbites, cross bites, open bites, deep bites, crooked teeth, and various other problems of the teeth and jaws. If you have any cosmetic, structural or functional problems with your teeth or jaws, resident orthodontists at any branch of the Octagon Orthodontic group of clinics can help correct them using a variety of techniques. It all starts with an orthodontic consultation with one of our specialists who will assess, investigate and diagnose your specific problems and inform you of the various treatment options.

At Octagon Orthodontics we are dedicated to providing the highest possible standard of orthodontic (brace) care through our specialist orthodontists who lead a team of highly trained therapists, nurses and customer service personnel. Since opening in 1996, Octagon Orthodontics has acquired an excellent reputation for high quality treatment and excellent customer service.



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Octagon Orthodontics at The Beauty Society

31-33 Amersham Hill
High Wycombe
Buckinghamshire HP13 6NU

TELEPHONE: 0845 601 0700

For over a decade Octagon Orthodontics' High Wycombe practice has been creating beautiful smiles for thousands of adult and child patients.

This practice certainly has the wow factor! You can easily locate the impressive listed building which is situated within the town centre and near the train station with an abundance of parking available nearby. The entrance to this impressive four floor building brings you to a quirky and refreshingly original mini reception desk made from half a vintage mini one. Smartly uniformed staff are on hand to greet each and every visitor with warm and wonderful smiles.

Specialist clinicians are on hand to provide personalised comprehensive brace care for adults and children with the assurance that every endeavour is made to guarantee a comfortable, pleasurable and exclusive journey. The culture is to bring the latest expertise, wealth of experience and skill whilst ensuring the best interests of every patient.



→ BEACONSFIELD

Octagon Orthodontics at Dental Art

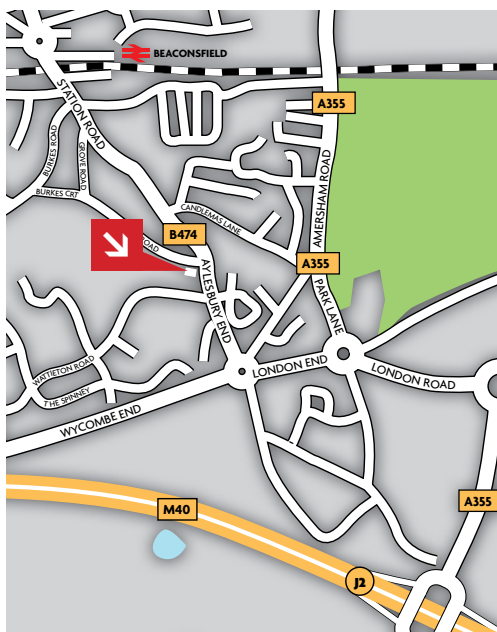
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Grove Road, Beaconsfield
Buckinghamshire HP9 1UR

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"I was looking for an orthodontist to continue brace treatment for my children and me following our relocation from Connecticut, USA. Dr Ilori's practice welcomed us and the transition has been a smooth process. My children are happy and the level of service is just amazing," JC of Chalfont St Giles.

For those seeking to improve their smiles, Octagon Orthodontics runs a specialist orthodontic service at Dental Art, an advanced dental practice located in Old Town Beaconsfield.

This purpose built dental centre is colourfully decorated and features a unique gallery of paintings, sculptures and jewellery from local artists, which can be purchased or just enjoyed, contributing to an interesting and inviting atmosphere. Large floor to ceiling glass panes bring light and life into this clinical environment, creating a sense of openness, ease and comfort.



WHERE BEAUTIFUL SMILES ARE CREATED CALL YOUR PREFERRED PRACTICE TODAY

→ DENHAM

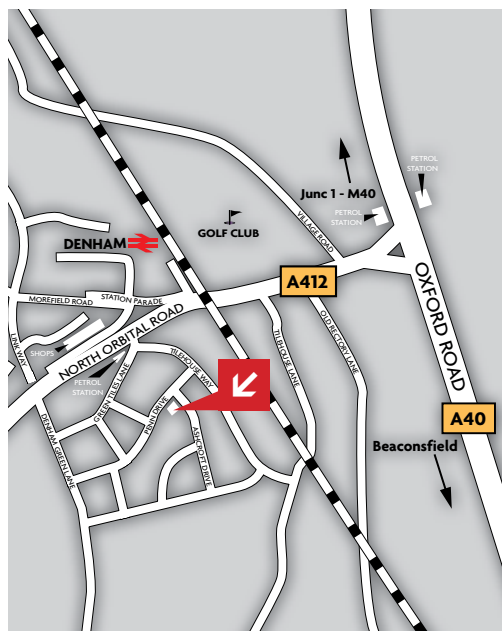
Octagon Orthodontics at The Ashcroft Clinic

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The Ashcroft Clinic in Denham is proud to be the first private clinic in the area with acute hospital status. Our resident specialist orthodontists will use their expertise to diagnose and manage any concerns that you might have with your teeth, bite or smile. We also have other allied practitioners in the fields of dentistry, medical aesthetics, beauty/skin therapy and private medical doctors who provide their on-site services to cater for your total well-being.

Qualified, experienced clinicians utilise the latest technologies and equipment to aid them in delivering exceptional results. Every clinician offers reassurance of first class treatment boasting not just skill but also vast experience. Dr Peter Ilori explains, "Every visitor and client who enters the practice is given our full attention ensuring each visit is a pleasant experience."



→ LONDON

Octagon Orthodontics at The Avenue

112 The Avenue
Ealing
London W13 8JX

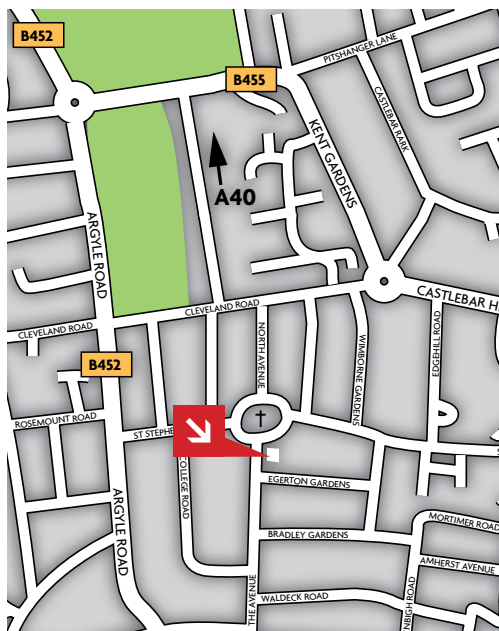
TELEPHONE: 0208 566 9567

This stunning branch clinic is situated in a beautiful old town house which has been restored and refurbished whilst retaining most of the original features. Established within the 2,500 square foot space is a specialist orthodontic clinic and several multi-purpose clinical and meeting rooms.

The feel is more of a cosy, welcoming home, with high ceilings, large rooms and original fireplaces which complement the cutting edge technology used by the resident specialists.

If you are seeking orthodontic care, cosmetic dentistry or other aesthetic treatments, The Avenue, in Ealing is close to central London making it accessible to anyone in the metropolis.

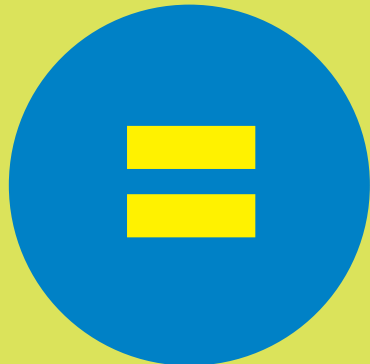
The philosophy behind all treatments is contemporary and aesthetically focused with a fastidious attention to detail. The Avenue concentrates on your total well-being whilst dealing with your specific requirements.



**FROM
CROOKED
TEETH**



**CLEAR
REMOVABLE
BRACES**



**TO THE
PERFECT
SMILE**



It is important to realise that even if you or your child don't have symptoms, a specialist orthodontic check-up might be helpful to correct undetected problems which may become worse over time.



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ORTHODONTICS? WHAT IS THAT?

The term orthodontics comes from the Greek words 'orthos' meaning straight or correct and 'dontia' which means relating to teeth

Dentistry has many branches and specialties.

Orthodontics is the specialty which treats abnormalities of the bite and jaws in children and adults. Improvements in the appearance of the teeth, smile and face are among the cosmetic benefits derived from orthodontic treatment.

An orthodontist is a specialist in the diagnosis, prevention and treatment of dental and facial irregularities. They undergo an additional two to three years of specialised education beyond dental school to learn the proper way to align and straighten teeth. This formal education is essential if you wish to adopt the title "orthodontist" and only orthodontists may be members of the American Association of Orthodontics (AAO). Learn more about orthodontic care and orthodontic professionals on the AAO's web site, www.braces.org.

"Malocclusion" is a technical term for crooked, crowded, spaced or

misaligned teeth which do not fit properly. Literally, the word means "bad bite."

MALOCCLUSIONS CAN BE INHERITED AND CAN MANIFEST AS:

- Crowded or spaced teeth
- Irregular positions or ectopic teeth
- Extra or missing teeth
- Cleft lip/palate
- A myriad of jaw or facial abnormalities

MALOCCLUSIONS CAN ALSO BE ACQUIRED OR CAUSED BY KNOWN FACTORS SUCH AS:

- Thumb sucking
- Tongue thrusting
- Dental disease
- Premature loss of primary teeth
- Accidents and injuries
- Some medical problems

A malocclusion can exist without immediate or painful symptoms and a lot of people tend to adapt to the improper relationship between the jaws and the teeth to such an extent that it might be perceived as normal.

The unfortunate truth is that these orthodontic problems can become worse, if left undetected and untreated. Braces and other orthodontic procedures can be used to correct malocclusions, subsequently producing a harmonious relationship between the teeth and the jaws leaving us to enjoy a healthy and attractive smile.

Children and adults should visit the orthodontist for a specialised analysis of the teeth, bite and jaws because orthodontists can help prevent, diagnose and treat these irregularities.

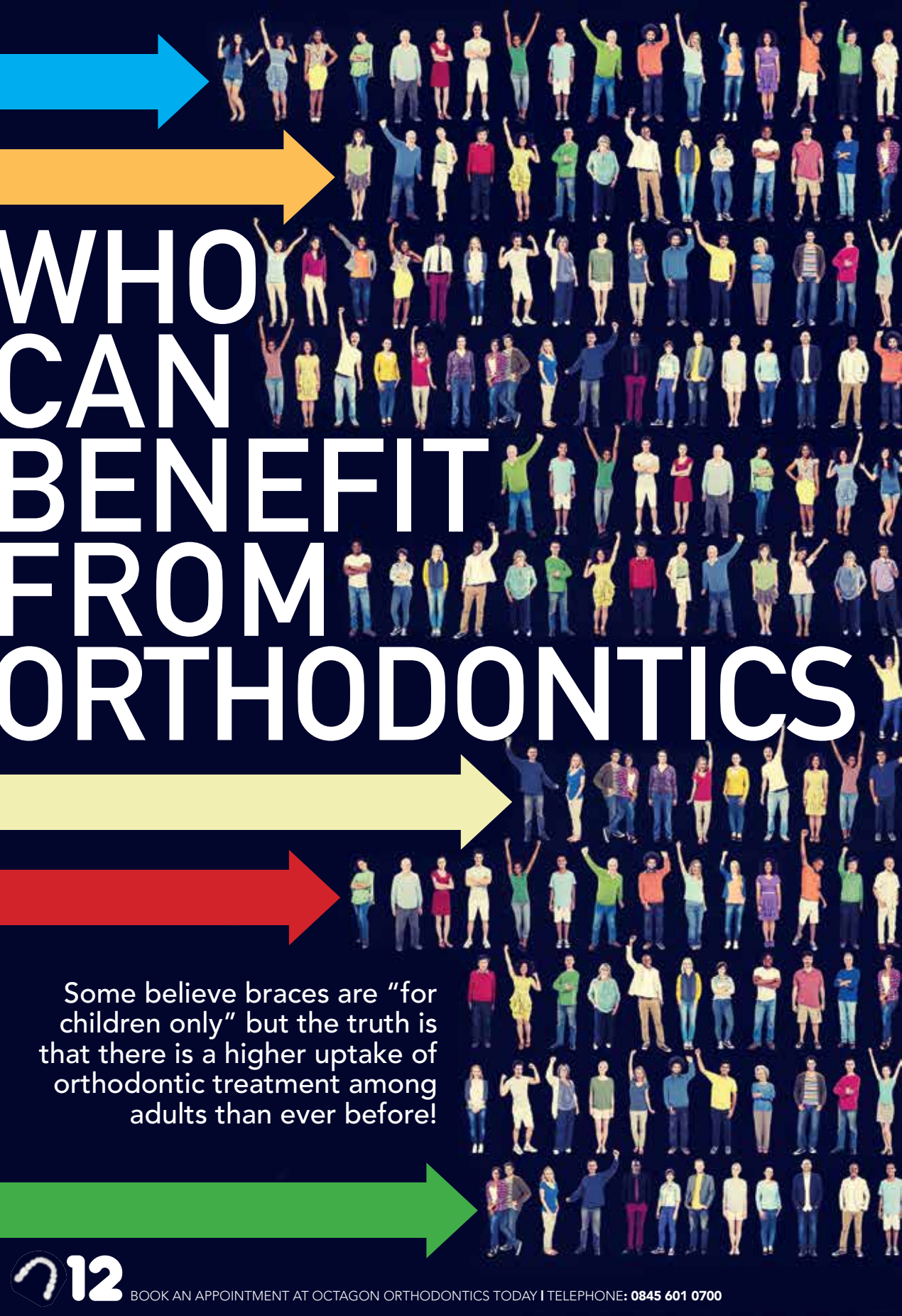
CONTACT US

Visit or website:

www.braces.co.uk

or telephone:

01494 513797



WHO CAN BENEFIT FROM ORTHODONTICS



Some believe braces are “for children only” but the truth is that there is a higher uptake of orthodontic treatment among adults than ever before!



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Tooth movement is based on biological and physical manipulation of the teeth and their supporting structures. The movement is a basic healing cycle which is replicated several times during the orthodontic process and is identical in children and adults.

For this cyclical healing process to be effective the teeth, the gums and their supporting bones must be healthy. It is never too late to have orthodontic treatment. Whether you are 7 or 70 years old, you can still have a wonderful smile.

THE BENEFITS OF HAVING ORTHODONTIC TREATMENT INCLUDE:

- Good appearance and a great smile
- Improved self confidence and psycho-social advantages
- Several options to resolve problems such as crowded or spaced teeth
- Reduced risk of accidental injury to protruding teeth
- Influencing the growth of the jaws helps produce a better facial profile
- Re-arranging the teeth to improve the bite
- Teeth are made easier to clean thereby reducing the risk of decay and gum disease
- Harmful digit sucking habits can be stopped
- Early intervention reduces the complexity of treatment in later life
- Elimination of undue stresses on the jaw joints and abnormal wear of teeth
- Preparation of the teeth for future work by other dental specialists
- Aids speech development and adaptation
- Having well arranged teeth can make you look younger



REASONS WHY YOU SHOULD STRAIGHTEN YOUR TEETH!

Proper alignment of your teeth and jaws are key factors in your long-term dental health. Malocclusion is the technical term used by orthodontists

for crooked, crowded or protruding teeth which do not fit together properly. Literally, the word means "bad bite."

Most malocclusions are inherited although some are acquired i.e. they can be caused by factors such as thumb-sucking, tongue thrusting, dental disease, premature loss of baby or permanent teeth, accidents or some medical problems. Malocclusion or 'incorrect bite' may involve crowding of teeth, improper spacing or upper and lower teeth that do not fit together correctly.

Although typical orthodontic patients look forward to having a beautiful smile at the end of treatment, braces also have a significant positive impact on long-term health. As one orthodontist explains "Growing up with improperly aligned teeth and jaws can cause a variety of problems later in life".

As we mature, untreated bite problems can continue to worsen. Crowded teeth can be very difficult to keep clean, and may result in tooth decay, gum disease

and be a disadvantage socially. Also, over a period of time, an incorrect bite may lead to abnormal wear or breakdown of tooth surfaces and cause damage of the bone and soft tissues that support the teeth.

Because a high standard of dental hygiene is compulsory for orthodontic patients, orthodontists provide extensive education of patients in relation to proper brushing and flossing techniques, with follow-up

A positive difference in future health can be achieved...

and reinforcement at each orthodontic appointment. Good eating habits are also encouraged and in combination with good orthodontic treatment and excellent dental hygiene, a positive difference in future health can be achieved. Orthodontic treatment can benefit adults as well as children because healthy teeth, bones and gums respond well to orthodontic treatment at almost any age. It

really is never too late to have a beautiful smile or correct bite.

It is easy to take eating for granted if you have always had a normal bite, for some, however, this can be an ordeal or embarrassment. One patient's troubles with chewing were especially unpleasant and best characterised by his statement "I couldn't even bite into a sandwich." Nowadays, thanks to the art and science of orthodontics, countless individuals can look forward to greater convenience and function.

Starting treatment in your older years might cause slight initial embarrassment, but you should never condemn yourself to a lifetime of dissatisfaction, like many adults who missed or were never presented with opportunities to have straighter teeth.

Patients who have covered their teeth during social interaction for many years feel liberated after a short course of orthodontic treatment. By removing physical and psychological obstacles such as crowding or spacing your self-esteem can be boosted.

You don't need to feel that you are wasting the specialist's time by seeking a consultation or treatment because you are a taking a positive step toward self improvement.



STRAIGHT TEETH

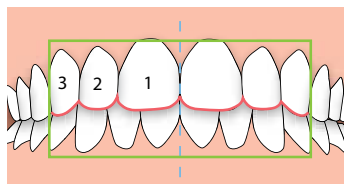
**WHAT SHOULD
THEY LOOK LIKE?**



Do you feel that your understanding of the term "straight teeth" is incomplete? You're not alone because most people focus on what is visible when you smile and that is usually the front six teeth!

Straight teeth should be assessed on the basis of 32 adult, healthy, working teeth arranged correctly in the upper and lower jaws. The relationship between all teeth, adjacent and opposing, within each jaw should be harmonious and aesthetic.

Not everybody can conform to the ideal or perfect 'dental arrangement' because of differences in tooth shape, size, bone structure and racial characteristics. However, aesthetic professionals agree that there is no 'normal' because of this variability! When analysed from different viewpoints there are five key features that need to be demonstrated for your orthodontist to be satisfied that your teeth are straight. Here we lay them out for you in plain language.

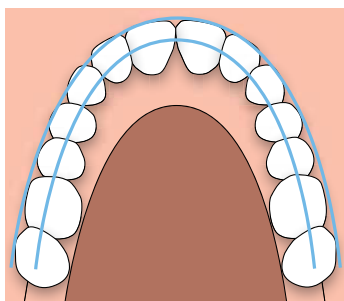


WHAT SHOULD IT LOOK LIKE WHEN VIEWED FROM THE FRONT?

In the diagram, the midline (the dashed blue line) between the two middle upper and lower front teeth should coincide. Preferably this dental midline should coincide with the centre-line of the face. There is an aesthetic zone (in the green box) which falls between the

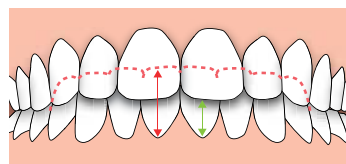
canines and the smile zone which includes all the teeth that appear within the lips when you smile. All the teeth that appear in both zones should be in a balanced relationship with each other.

Contrary to popular belief, the biting edges of the teeth need not be straight; it is perfectly natural for your teeth to form a contoured pattern, such as illustrated by the red line. The presence of this contoured pattern enables us to distinguish between somebody who is wearing machined dentures or ill-designed veneers and somebody with a natural look. The ideal relationship between the upper front teeth should be stepwise with the central (1) and lateral incisor (2) and canine (3) at different levels.



WHAT THEY SHOULD LOOK LIKE FROM THE TOP OR BOTTOM?

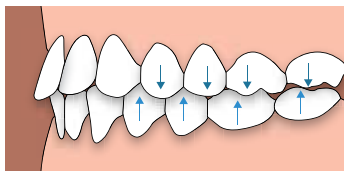
The two curved lines drawn over the teeth should be balanced and symmetrical arches in an ideal scenario. However, this is not achievable in everybody due to differences in tooth sizes, shapes and bone structure.



WHAT IS OVERBITE?

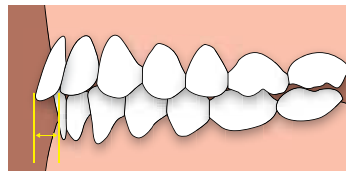
When your teeth are together the upper teeth should overlap the lowers - this is defined as overbite. In a perfect smile, the upper teeth should cover no more than 30% of the lowers (the difference between the red and green line).

If there is no overbite and your front teeth meet at the top edges, they will wear down rapidly (reduced overbite and attrition). Deep bite occurs when your teeth overlap too much causing injury to the gums and teeth behind the upper arch.



WHAT SHOULD IT LOOK LIKE FROM THE SIDE?

When teeth are viewed from the side there should be an obvious cog-like arrangement, in the same way gears fit together. This aspect of straightness is an indication that your teeth can function properly when you bite together. If you are having difficulty with biting, you may have a problem with overjet or your overbite, which are described next.



WHAT IS OVERJET?

Overjet is the extent to which the front top teeth protrude past the lower front teeth. This is represented by the arrows on the diagram. Preferably, overjet should be between 2 to 4 mm, however this can differ depending on the extent to which your jaws grow. Observe the diagram to see that the upper and lower front teeth stick forward slightly, this is important because they provide a surface on which the upper and lower lips rest (lip support).

THE ANATOMY OF THE SMILE

B

Beauty is power and a smile is its sword' – You might have heard this

phrase – it's not a lie!

A genuine smile can be infectious – it is a universal language, appreciated worldwide which transcends nations, creed and colour. We use our smiles instinctively - but do we fully understand all the aspects which constitute our smile?

A

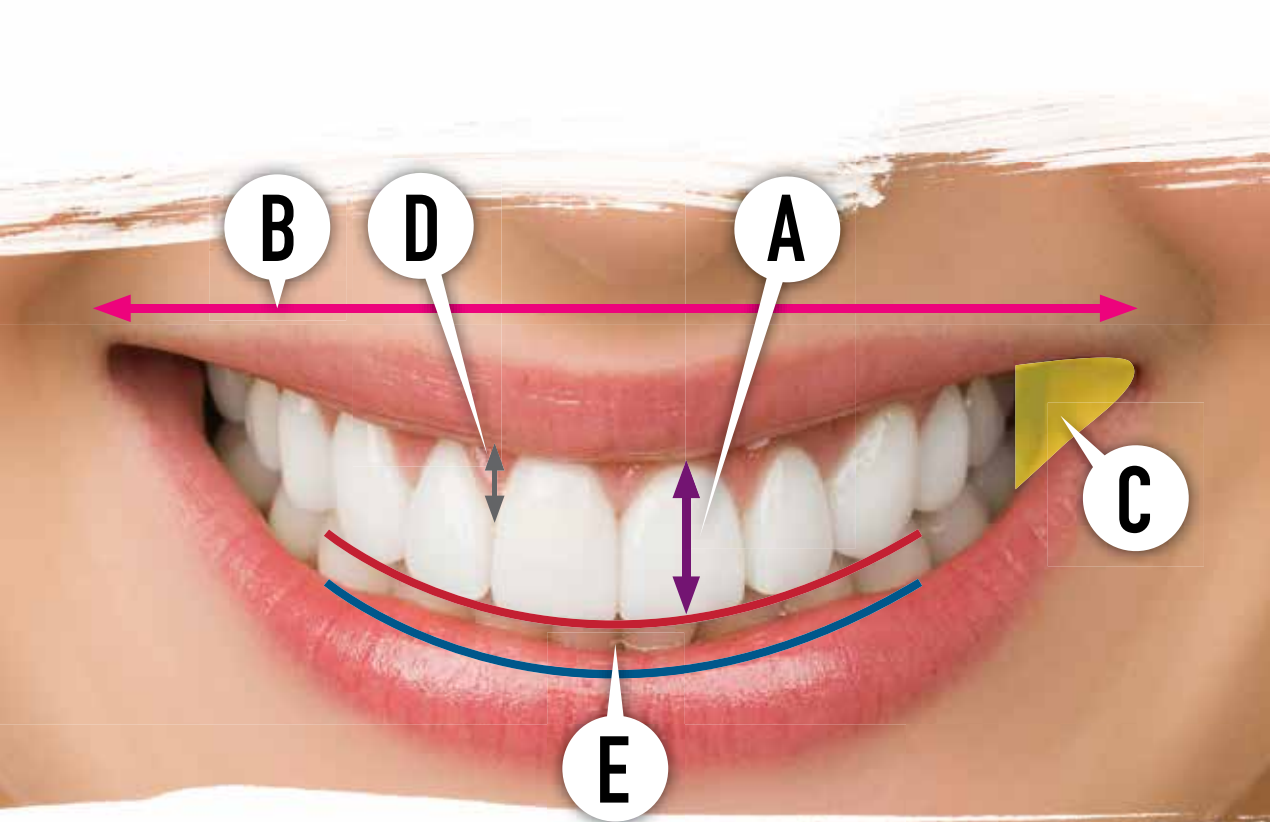
PROPORTION OF UPPER INCISORS SHOWN

Ideally you should have four upper incisor teeth which appear in the smile zone. The two larger incisors in the middle are called central incisors, while the smaller ones on either side are called lateral incisors. 100% of all four upper incisors should be on display when you smile. It is characteristic of the ageing process that people show less of their incisors with time, so a greater amount of incisors shown is usually associated with youthfulness. As a general rule, males show less of their upper incisors and more of their lowers than females. The extent of incisor display is affected by tooth alignment, colour, tooth dimensions and how confident you are when you part your lips.

B

"BROADNESS OF THE SMILE" DENTAL ARCHFORM

The broader the smile, the better! A broad smile is determined by the width of the upper arch (when your teeth are in line they form a wide arched shape). Some people have narrow or collapsed arches, so when they smile you can't see a lot of teeth. In the ideal scenario, you should be able to see the upper pre-molars on both sides of the buccal corridors (See C for buccal corridors). Americans and Africans are known to have broader smiles than Europeans, because of their wider skeletal forms. It's important to know that jaw expansion using orthodontic devices can produce a broader smile, but only within biological limits!



C

NEGATIVE SPACE OR BUCCAL CORRIDORS

This is the small black space visible at the corner of the mouth, which is primarily dependant on the broadness of the smile and the shape of the mouth. These spaces are supposed to be present in all smiles. However, too little or too much can have a significant effect on the balance of a smile.

D

AMOUNT OF GUM ON DISPLAY

A small amount of gum display is acceptable, if your gums are pink and healthy. Your gums can be an indication of healthiness and youth, provided they are not receding, swollen, bleeding or discoloured. An assessment of the relative height of the gum margin and the quantity/quality of the gum tissue is made subconsciously by every person observing your smile - excessive gum display is known as a "gummy smile", while no gum display is sometimes called a "stiff upper lip"!

E

THE SMILE ARC

This is defined as the relationship of the curvature made by the edges of the upper teeth (the curved red line) with the curvature of the lower lip (the curved blue line). The ideal smile arc has the two curves in a close parallel relationship with each other. Careful planning by an orthodontist can allow movement and alignment of the front teeth to create harmony with the lower lip for your ideal smile arc.

OTHER FACTORS THAT CONTRIBUTE TO THE BALANCE OF A SMILE ARE:

Upper lip length, lip shape and size and lip animation – these should all be in balance. The slope or contour formed by the teeth when you bite together should be straight. If this slope bends to either side, it is considered to be an unattractive or lopsided

feature. The shapes of the incisors are important - chipped or worn teeth are considered unfavourable. The smile and face should be symmetrical and this is judged by matching the midline of your smile and the centre or midline of your face. Dental and facial midlines are

not always coincident (in line with each other) but can be considered harmonious if they are close. It is more important for the midline of your upper teeth to be coincident with the facial midline, because this is more noticeable.

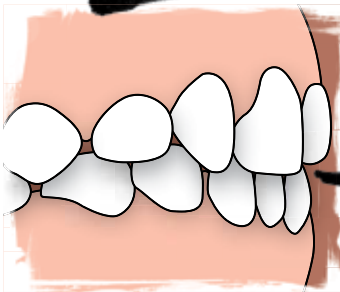


WHAT IS
WRONG
WITH MY
TEETH?



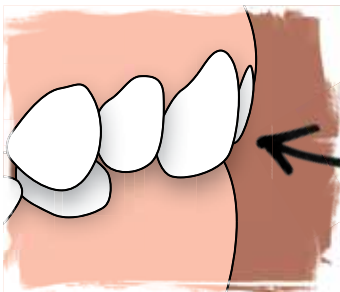
BOOK AN APPOINTMENT AT OCTAGON ORTHODONTICS TODAY | TELEPHONE: 0845 601 0700

MALOCCLUSIONS BAD BITES ARE DESCRIBED UNDER STANDARDISED GROUPINGS WHICH HAVE BECOME ACCEPTED WORLD-WIDE. THESE GROUPINGS ALLOW UNIVERSAL CLASSIFICATION OF PROBLEMS AND ENABLE DENTAL PROFESSIONALS TO COMMUNICATE USING THE SAME TERMS.



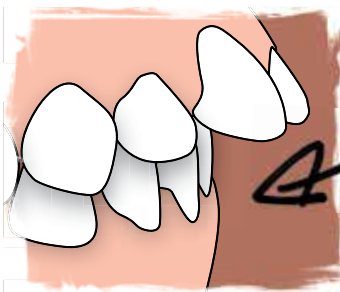
CLASS I MALOCCLUSION

Here the teeth meet in good positions, the overbite and overjet are correct, but the teeth might be crowded or displaced. Depending on the degree of displacement, the orthodontist will determine the kind of braces that would best treat the specific case.



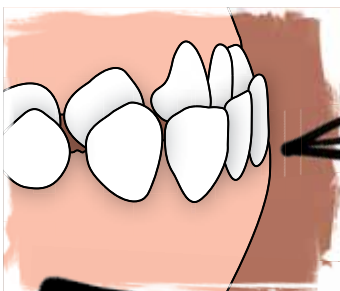
CLASS II DIVISION 2 MALOCCLUSION

The upper incisors are retroclined (tipped backwards) although the upper jaw might be protrusive. The overbite is usually greatly increased (deep bite). About 18% of malocclusions are like this and the treatment is very similar to a class II division I malocclusion described below.



CLASS II DIVISION 1 MALOCCLUSION

The upper teeth are projecting forwards of the lowers (the overjet is increased) and the upper incisors are proclined, or pointing forwards. Crowding may also be present. This arrangement is seen in about 34% of the population. Depending on the degree of discrepancy, functional braces, headgear, extractions or surgery may be needed to create a good correction.



CLASS III MALOCCLUSION

In 2% of malocclusions, the lower teeth are positioned ahead of the uppers (a reverse overjet or complete class III). This is often associated with misalignment of either the upper or lower jaws. These cases may need a combination of braces and a jaw operation to correct the bite. Because the lower jaw is one of the last bones to stop growing, treatment is often delayed until the patients are adults, so that a correct treatment plan can be made.

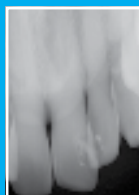
PROBLEMS THAT CAN BE FOUND ON X-RAYS



the orthodontic consultation process usually involves radiographic investigation of the jaws and teeth. These x-rays help the orthodontist to discover any problems that cannot be seen by physically looking into your mouth or at your face.

There are many different types of x-rays that can be taken either within the mouth or around your face – examples of these are: →

INTRA-ORAL OR MINI X-RAY



SKULL OR FACIAL X-RAY



PANORAMIC X-RAY



ANY OF THESE X-RAYS CAN BE USEFUL FOR:

- Diagnosis and classification – determining what your specific problems are
- Determining your suitability for certain types of treatment
- Planning treatment and predicting what the results are likely to be
- Measuring changes to the teeth and bone which occur before, during and after treatment

a

UPPER JAW AND TOOTH POSITION

Goofy appearance has resulted from upper jaw being too far forward and upper teeth pointing forward.

b

LOWER JAW POSITION

Lower jaw set back relative to top

c

MISSING TOOTH

There is no evidence of a tooth to replace the one that is missing. Some people do not grow all of their teeth.

d

IMPACTED TOOTH

(Tooth stuck in the gum) This tooth is leaning against the roots of the other teeth which can cause damage.

e

ROOT RESORPTION

The root of the baby tooth has dissolved.

f

TOOTH POSITION

Tooth is leaning into the space.

g

WISDOM TEETH

Position of back teeth can be assessed including wisdom teeth.

h

ROOT POSITION

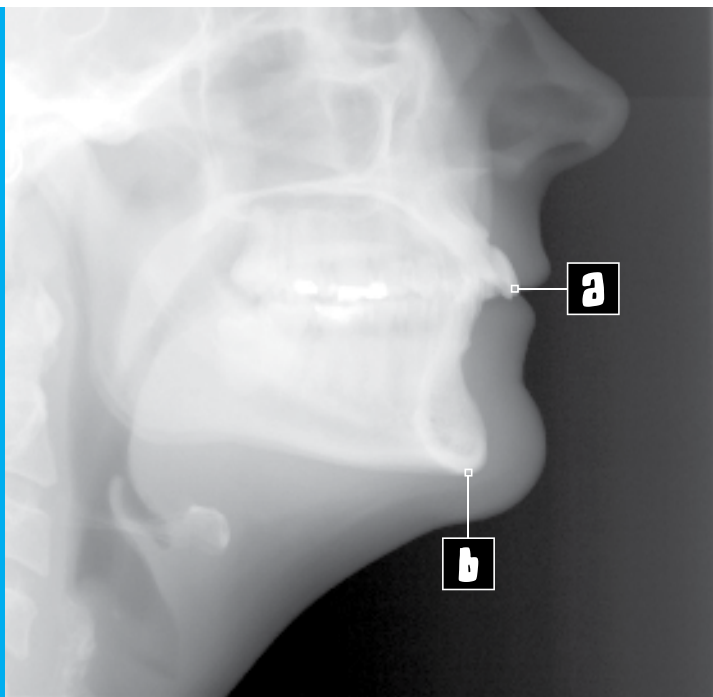
Tooth root is in the wrong position - this cannot be seen in the mouth.

i

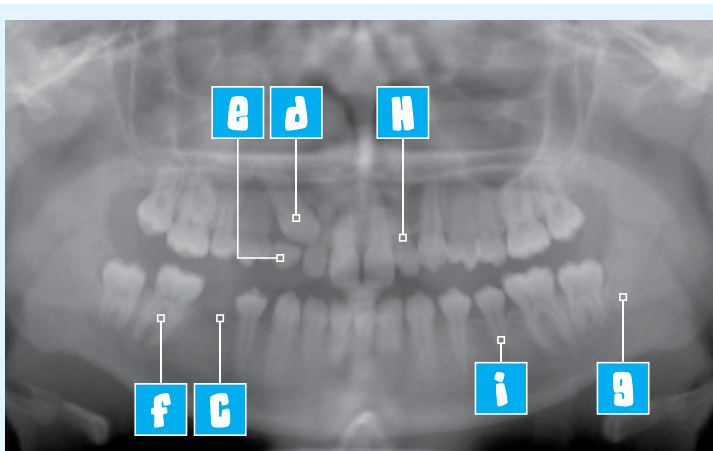
ROOT DEVELOPMENT

This root is not completely developed.

SKULL OR FACIAL X-RAY



PANORAMIC X-RAY





WHAT ARE MY OPTIONS?

VENEERS, BRACES AND OTHER CONSIDERATIONS...

Dental veneers might offer a quick-fix Hollywood smile but braces are the safest and most technologically advanced way of improving your teeth without altering their healthiness.

You might be conscious of stained, chipped, crooked and worn teeth or you might have been unfortunate enough to have accumulated a mouth full of old unsightly fillings – no matter which boat you are in your ultimate quest would be to achieve a brilliant set of white straight teeth. Oral health is defined by the World Health Organisation as “a standard of health of the oral and related tissues which enables an individual to eat, speak

and socialise without active disease, discomfort or embarrassment and which contributes to general well-being”. It is important not to damage your teeth in the quest for straight and white.

Orthodontics is the speciality of dentistry which is concerned with the management of irregularities and abnormalities of the teeth, jaws and face. A specialist orthodontist is a qualified dentist who has had the requisite extensive additional training, therefore possesses the expertise to provide the most effective, efficient and safest way to give you your dream smile. In the UK many adults were denied opportunities to have their teeth straightened simply because

of a lack of availability of orthodontics when they were children. Over the past few years orthodontic specialists have set up five star facilities in certain parts of the UK, improving the availability of their services to a wide range of the population - both children and adults.

Some dentists have promoted the placement of artificial materials over the surface of the teeth as an ‘instant solution’ for crooked teeth but there are drawbacks to this approach. In certain cases, if your teeth point inwards, a thicker veneer might have to be fitted to make them appear straight which might result in a less natural appearance.

A GENERAL GUIDE TO CONTEMPORARY ORTHODONTIC BRACES

INVISALIGN



Invisalign is a clear plastic removable mould that fits over the teeth.

FIXED BRACES

Conventional fixed metal braces consist of a bracket glued to the centre of each tooth and connected by a fine wire. The wire determines the direction in which the force is applied. You can now opt for clear or tooth-coloured ceramic brackets and wires. Some braces even use tooth-coloured wires to be even less noticeable. Alternatively, you can opt for the bling approach, with gold-plated braces, or choose one in your favourite colour.

LINGUAL BRACES



Lingual orthodontics are braces that are attached to the inside of the teeth.



Tooth Coloured

Attractive, translucent or tooth coloured, aesthetic fixed brackets appeal to patients in view of their less obtrusive appearance



Gold

Gold brackets can be complemented with gold wires. These provide the patient with an alternative to the traditional stainless steel look



Colours

Stainless steel metal brackets are widely used. These brackets can be customised with coloured ligatures or modules to provide individuality



Self ligating

Self ligating brackets are fixed braces designed to help the teeth move more efficiently and may result in fewer adjustment visits

In many cases veneers require the use of a dental drill to remove the surface of the teeth for a proper fit. Where the crowding of your teeth exceeds a few millimetres, excessive amounts of enamel might need to be removed – this is considered inappropriate by

So what is responsible for this increase? Certainly, pictures of good-looking celebrities wearing braces have helped remove the stigma attached to orthodontics, but technological advances have boosted the figures, too. "Braces are more

pushed back and reduced in size by 'interproximal reduction' – removing about 0.15mm of the enamel. A 'narrow' smile – one that shows gaps in the side of the mouth when you grin – can be widened by increasing the size of the roof of the mouth (the arch) by applying the force to push teeth outwards. Commonly known as smile widening, this is now standard practice in America for children with narrow jaws.

In more severe cases, orthodontics can be combined with surgery to realign a protruding upper or lower jaw or correct 'gummy smiles'. Often, however, problems can be treated with clear plastic removable braces called Invisalign, a thin mould that sits over the teeth like a mouth guard. It is aesthetically more pleasing and it can also be removed when the wearer wants to eat or clean their teeth.

Many Invisalign wearers are actors, TV presenters and models, who do not want anybody to know that they are having orthodontic work. Mild to moderate cases of misalignment can usually be fixed in 6 to 12 months, but more severe cases can require up to two years of treatment, with regular check-ups on a four- to six-week basis.

An unexpected side effect for many patients undergoing orthodontic treatment is weight loss! Many people lose weight because braces force you to eat more slowly. We wouldn't want you to have braces for this reason alone!

“Braces are more comfortable to wear, more discreet and more effective than ever”

most conservative dentists. Orthodontics or braces, on the other hand, work by applying continuous forces to the teeth to change their position incrementally.

There is another good reason why many of us are now favouring orthodontics over veneers. "However good the effect, veneers are not natural," says Dr Peter Ilori, of Octagon Orthodontics in High Wycombe. "British people don't want a synthetic smile. With orthodontics, you get straight teeth that are aesthetically pleasing but they look natural and are 100% your own." This quest for a natural look partly explains why more than 75% of orthodontists have reported an increase in adult patients over the past few years.

comfortable to wear, more discreet and more effective than ever. With time, we can straighten any teeth," says Dr Ilori. "Orthodontics applies a three-dimensional force, so we can push teeth forwards and backwards, but we can also push them up and down. If there is general overcrowding and crooked teeth some teeth will be pushed back, some re-angled, and some pushed forwards or up and down until they are straight", adds Dr Ilori. By pushing teeth back into the bone, orthodontics can reduce the effect of receding gums, too. Putting a downward force on short upper teeth can make them look longer by pulling them out of the bone.

'Tombstone' teeth which are large and protruding can be



THE CLEAR MARKET LEADER

When it comes to comparing Invisalign to other teeth straightening options, it is easy to see the clear advantages:

COMPARISON:	 invisalign®	FIXED BRACES
How does it work?	Invisalign uses a series of clear removable aligners to straighten your teeth without wires or brackets.	Fixed braces use wires and brackets to move your teeth into straighter alignment.
Nearly invisible.	✓	No. Most fixed braces are noticeable.
Removable during treatment.	✓	No. You cannot remove fixed braces until treatment is completed.
Treatment doesn't involve metal that can irritate teeth and gums.	✓	No. The metal wires and brackets used can cause mouth irritation.
Allows you to brush and floss normally during treatment.	✓	No. Fixed metal braces hinder the ability to reach the entire tooth/gum area when flossing.
Provides a clear defined and virtual treatment plan from the start to the completion of treatment.	✓	Although your dental practitioner has a clear defined treatment plan, you will not be able to see what your teeth may look like during and after treatment.





INVISALIGN BRACES



VISIT OCTAGON ORTHODONTICS: WWW.OCTAGONORTHODONTICS.COM



WHAT IS INVISALIGN?

Invisalign treatment uses a series of custom-made, nearly invisible, removable aligners to move your teeth in a gradual step by step process. Aligners are changed every two weeks, until your teeth have been straightened to the final position prescribed by your doctor.

A virtual 3D treatment plan (ClinCheck treatment plan) is produced by Invisalign based on your doctors specific instructions. You will be able to view your virtual treatment plan prior to wearing your aligners. This allows you, through 3D animations to see the individual teeth movements at each stage throughout the course of your treatment. It also enables you to see what your final result is expected to look like at the end of treatment.

Once both you and your doctor are happy with the results of the ClinCheck treatment plan, your custom-made, clear aligners are produced especially for you. All aligners are individually manufactured to fit your teeth and will not work on anyone else!

Invisalign is the comfortable, sensible way to straighten your teeth. Even though there are a variety of choices available for transforming your smile, no other treatment will work as comfortably or without interfering with your normal day to day life.





The Invisalign system is delivered to the patient as a 'Series' of numbered and labelled aligners. Each packet is labelled with the patients name, doctors name, treatment type and the number of the aligner within the series. For example:

U 15 of 25
L 15 of 25

This packet contains the 15th upper and lower aligners of 25 aligners.



The aligners must be worn for a minimum of 22 hours each day and changed to the next sequential aligner within the series every 1-2 weeks throughout the treatment.

*This process can only be varied by your qualified, supervising doctor



invisalign®

PRODUCT RANGE



invisalign® i7

MILD CASES:



ALIGNERS (PER ARCH):

- Up to 7

TREATMENT PARAMETERS:

- Very minor crowding and spacing
- Minor orthodontic relapse
- Aesthetic improvements
- Partial treatments

SINGLE ARCH TREATMENT AVAILABLE:

- Yes

UPGRADE:

- Yes to Invisalign Lite or Full or Teen

ADDITIONAL ALIGNERS (REFINEMENTS & MID-COURSE CORRECTION):

- Limited to 1 automated set of additional refinement aligners

REPLACEMENT ALIGNERS (EACH):

- Chargeable

CANCELLATION FEE:

- Yes



invisalign® lite

MODERATE CASES:



ALIGNERS (PER ARCH):

- Up to 14

TREATMENT PARAMETERS:

- Smile improvements
- Minor crowding and spacing
- Aesthetic treatments
- Simple corrections
- Pre-restorative alignments
- Partial or combination treatments

SINGLE ARCH TREATMENT AVAILABLE:

- Yes

UPGRADE:

- Yes to Invisalign Full or Teen

ADDITIONAL ALIGNERS (REFINEMENTS & MID-COURSE CORRECTION):

- Limited to 1 automated set of additional refinement aligners

REPLACEMENT ALIGNERS (EACH):

- Chargeable

CANCELLATION FEE:

- Yes



invisalign®

SEVERE CASES:



ALIGNERS (PER ARCH):

- No limitation

TREATMENT PARAMETERS:

- Broad applicability - based on level of experience, including comprehensive treatments

UPGRADE:

- N/A

ADDITIONAL ALIGNERS (REFINEMENTS & MID-COURSE CORRECTION):

- Additional aligners for refinement and mid-course correction included

REPLACEMENT ALIGNERS (EACH):

- Chargeable

CANCELLATION FEE:

- Yes

made to move



ALL PROBLEMS:



ALIGNERS (PER ARCH):

- No limitation

TREATMENT PARAMETERS:

- Broad applicability - based on level of experience, including comprehensive treatments and two phase treatments for teenagers with erupting or erupted dentition

UPGRADE:

- N/A

ADDITIONAL ALIGNERS (REFINEMENTS & MID-COURSE CORRECTION):

- Additional aligners for refinement and mid-course correction included

REPLACEMENT ALIGNERS (EACH):

- Free of charge for up to 6 individual single arch aligners (or 3 sets for dual arch aligners).
- Additional replacements are chargeable

CANCELLATION FEE:

- Yes



MAINTAIN YOUR SMILE:



ALIGNERS (PER ARCH):

- Set of 3 dual arch retainers

TREATMENT PARAMETERS:

- Maintaining smiles

UPGRADE:

- N/A

ADDITIONAL ALIGNERS (REFINEMENTS & MID-COURSE CORRECTION):

- N/A

REPLACEMENT ALIGNERS (EACH):

- Chargeable

CANCELLATION FEE:

- Yes



NO IMPRESSIONS



PROVEN IMAGING PRECISION

- Instead of taking impressions or moulds, your doctor might choose to take a scan of your teeth (serial computerised images of your teeth), using this latest high-tech gadget called the iTero Scanner

BENEFITS OF ITERO SCANNER:

- An improved case presentation
- Better orthodontic experience with more comfort and less anxiety
- Reduced chair time
- Easier re-fabrication of lost or broken appliances
- Potentially reduced treatment time



MEET ITERO ELEMENT



LATEST

PROVEN IMAGING PRECISION

Instead of taking impressions or moulds, your doctor might choose to take a scan of your teeth (serial computerised images of your teeth), using this latest high-tech gadget called the iTero Scanner.

BENEFITS OF ITERO SCANNER TO YOU:

- ✓ No messy impressions.
- ✓ Easier for patients with gag reflex.
- ✓ A scan is easier for children to tolerate.
- ✓ You can immediately see your teeth and bite on the screen.
- ✓ An improved case presentation.
- ✓ Better orthodontic experience with more comfort and less anxiety.
- ✓ Reduced chair time.
- ✓ Easier re-fabrication of lost or broken appliances.
- ✓ Potentially reduced treatment time.

TECHNOLOGY



ITERO SCANNING IS AVAILABLE
AT OCTAGON ORTHODONTICS

Octagon 
Orthodontics
SMILES FOR EVERYONE

Visit our website for more information: www.braces.co.uk

High Wycombe
01494 513797

Beaconsfield
01494 681367

Denham
01895 831049

London, Ealing
0208 566 9567

NO METAL
NO WIRES
NOT FIXED



**DESIGNED
FOR TEENAGERS**



**BLUE
WEAR-INDICATORS**



**ERUPTION
COMPENSATORS**

Visit our website for more information: www.braces.co.uk

FREE TO SELFIE!



invisalign[®]teen

**Octagon
Orthodontics**
SMILES FOR EVERYONE

Invisalign Teen use the same transparent custom-moulded aligners as Invisalign full to move teeth, but it has been specifically designed for teenagers. With special features, including blue wear-indicators to help your practitioner, you, and your teenager to gauge wear time, compensation for the eruption of canines, second premolars and second molars and six free individual replacement aligners are included in case any get lost or misplaced.

or call:

High Wycombe
01494 513797

Beaconsfield
01494 681367

Denham
01895 831049

London, Ealing
0208 566 9567

HEALTH BENEFITS

HEALTHY SMILING

We all know that a straight, even smile with glossy pearly whites look fantastic. But a cosmetically perfect smile often means it's also a healthy smile too. Take a look at the additional healthy benefits of a properly aligned smile.

HEALTHIER GUMS

Teeth that are crowded or are too widely spaced apart, can start showing signs of swollen gums or redness, which can lead to periodontal disease. Clinical studies have shown that when teeth are properly aligned, it helps the gums fit tighter around the teeth¹, which can lead to better gum health. Therefore Invisalign's great advantage of straightening teeth can also help to improve overall gum health after treatment². Another added benefit with Invisalign, is that you can more easily prevent tooth decay and related gum disease because you can brush and floss your teeth normally, unlike traditional braces.

BETTER ORAL HEALTH

Invisalign does not use any metal bands, brackets or wires that may trap food and plaque, unlike traditional fixed braces. And since Invisalign aligners are removable, you can maintain good oral hygiene and you may also reduce the chances of plaque build-up, tooth decay and gum disease.

IMPROVED CHEWING AND SPEECH

Invisalign treatment can improve speech difficulties and uncomfortable chewing issues that can be caused by incorrectly positioned teeth and jaws.

MAINTAIN COMFORT AND TOOTH STRUCTURE

Abnormal stress can be a direct result from misaligned teeth and jaws. This can cause painful trauma to supporting bone and jaw joints as well as abnormal wear on your teeth, which can trigger prolonged problems in the future.

Invisalign treatment can improve the alignment of your teeth and improve your bite.

¹ Ong et al., 1998 Boyd and Baumrind, 1992, Zachrisson and Zachrisson, 1972.

² Presented at the AADR in San Antonio, Effect of Invisalign Aligners on Periodontal Tissues, Taylor, MG; McGorray, SP, Durret, S; Downey, N; Lenk, M; Oxford, E; Dolce, C; Wheeler, TT

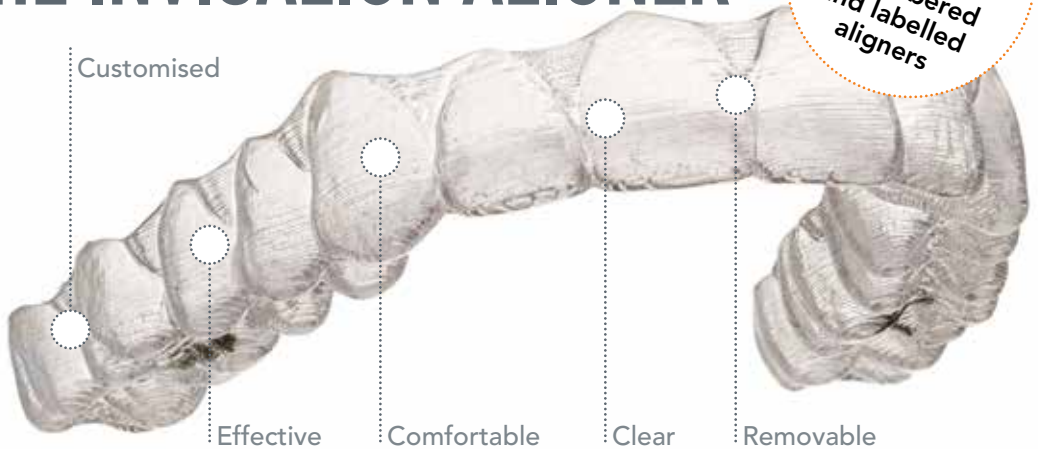
**SINCE INVISALIGN ALIGNERS
ARE REMOVABLE, YOU CAN
MAINTAIN GOOD ORAL HYGIENE**



COMPONENTS OF INVISALIGN TREATMENT

There are many different elements to an individual Invisalign treatment. Here are some detailed descriptions of the various components:

THE INVISALIGN ALIGNER



Customised:

Align technology produces personal custom made aligners especially for you from the impressions taken of your teeth by the orthodontist.

Effective:

Start enjoying the benefits of straight teeth before you have finished treatment because alignment of the teeth starts from the beginning.

Comfortable:

No metal wires or brackets to irritate your gums or the inside of your mouth.

Clear:

Virtually invisible so people don't notice that you are having treatment.

Removable:

Easy to remove aligners to eat, drink, brush and floss and for special occasions.

Invisalign aligners are made of strong proprietary medical grade thermoplastic material. It is ideal for creating a flexible and high quality finish from moulding processes.

Invisalign is fully approved by the FDA as a Class II medical device. Under FDA classification, this type of aligner is classified as a "medical device" because it is an apparatus used to treat a condition.

Your Invisalign aligners will be uniquely developed for your Invisalign orthodontic treatment plan. The aligners will be specially created for you and should fit comfortably over your teeth.

THE INVISALIGN CLINCHECK

Pre-treatment ClinCheck images



The ClinCheck is a series of 3D demonstrations, consisting of a combination of images, animations and mini movies which show how your teeth will move during the Invisalign treatment process. We will be able to show you a selection of before and after images and some mini movies detailing the tooth movements throughout your treatment. They will allow you to visualise the predicted tooth movements and the proposed final results.

It is important to note that these are demonstration tools only and cannot be used to absolutely predict the way your teeth will move. Orthodontic tooth movement varies from person to person and is influenced by a multitude of complex factors such as:

Individual physiological/
biological responses
and limitations

Variations in the shapes
and morphology of
individual teeth

Your age, medical and
dental health status

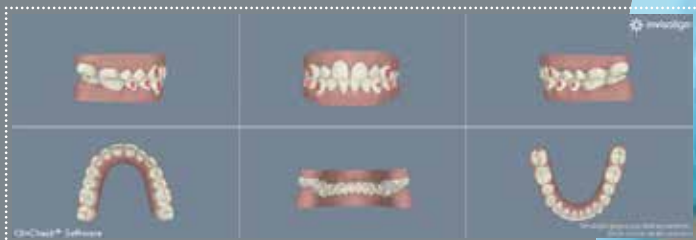
Your compliance with
protocols recommended
and advised by
your orthodontist

The ClinCheck allows you to visualise the predicted tooth movements on-screen

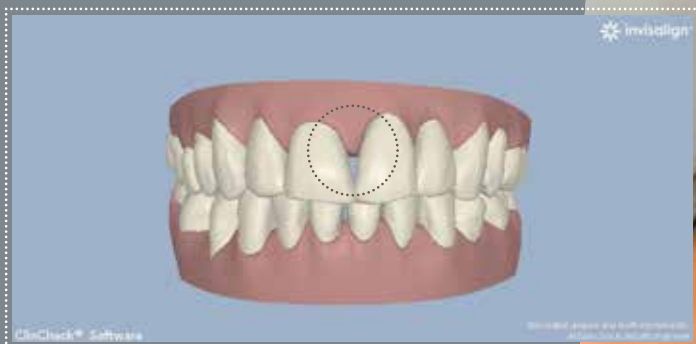


THE INVISALIGN CLINCHECK

Post-treatment ClinCheck images



Common ClinCheck questions



Why is there a triangular gap between my teeth on the ClinCheck?

Gaps between teeth can occur when two abnormally shaped teeth lie next to each other; the gap is called a black triangle. It can also occur in patients who have pre-existing gum recession. If a black triangle (space) does appear it can be resolved by further movement of the teeth to close the gap or by a very small filling which your dentist can place to camouflage the defect.

Will my gums move during treatment?

The simulations sent to you only show the movement of the teeth, the gum is not simulated as it is not predictable. The ClinCheck programme is designed to demonstrate the alignment of the teeth (show how straight your teeth will be). It is very difficult to anticipate the reaction of any patients gum to these complex movements.



THE ATTACHMENTS



Attachments are required in certain instances, in order to help specific or individual teeth move in pre-determined directions. They are stuck to your teeth by the orthodontist and cannot be seen because they are made of tooth-coloured dental filling material. Attachments generate forces by interacting with the plastic aligner to push individual teeth into the correct position.

They are coloured on the ClinCheck images or animations so that you can see them clearly.

POWER RIDGES



Power ridges are indentations in the aligners related to the upper and lower front teeth (incisors). They apply pressure to the teeth at precise points in order to twist or torque the roots of the incisor teeth.

PRECISION CUTS



Precision cuts are features in the aligner which are designed so that elastics can be placed directly onto the aligner (elastic hooks). Precision cuts can also be fabricated so that they allow the orthodontist to bond little brackets or buttons onto the teeth (button cut outs). Orthodontic forces can then be applied to the teeth by using elastics attached to the cut-outs or the brackets or buttons.

ELASTICS



Depending on the placement or configuration of the precision cut outs, elastic forces can be used to improve your bite.

As you will need to change the elastics yourself during your treatment, your orthodontist will give you details on how and when to place them; according to the clinical prescription given. The use of elastics is only relevant in correcting certain orthodontic problems and is not required for every patient.

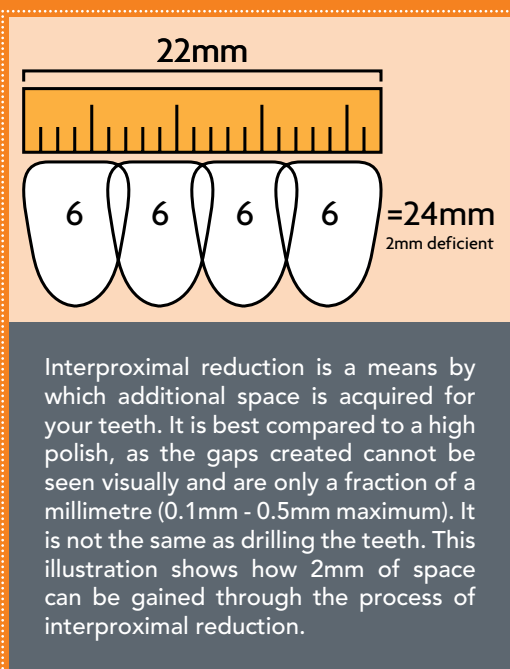
INTERPROXIMAL REDUCTION

WHAT IS IPR AND WHY YOU MAY NEED IT?

You are on your way to a healthy, new smile

To help you achieve it, your orthodontist feels that interproximal reduction is required to create space between the teeth and reduce friction, in order for the teeth to move efficiently. This will contribute to the successful outcome of your orthodontic treatment. It may also contribute to long-term stability of your results after your braces are removed. Interproximal reduction is the removal of some of the outer tooth surface, called enamel, usually between teeth that touch; it has been used in orthodontics since the 1940's. It is also known as slenderising, stripping, enamel reduction, reproximation and selective reduction.

Whatever the name, the intentions are the same – to acquire more space for your teeth, to bring your teeth into alignment, to improve your bite (the way your teeth come together) or to make the teeth more attractive. Sometimes interproximal reduction is done alone, but it is usually done in combination with orthodontic appliance treatment. Sometimes it is even done in conjunction with tooth extractions. Sometimes it is done following orthodontic treatment to establish stability. Many times front teeth are contoured during or after orthodontic treatment to create a balanced and harmonious appearance of teeth. Your orthodontist will recommend enamel reduction if it is a solution to your individual need.



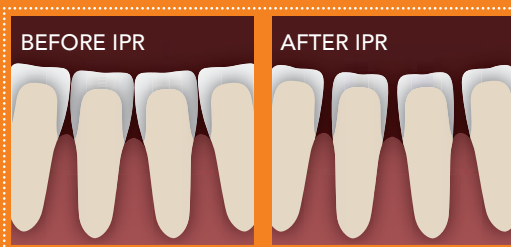
Interproximal reduction is a means by which additional space is acquired for your teeth. It is best compared to a high polish, as the gaps created cannot be seen visually and are only a fraction of a millimetre (0.1mm - 0.5mm maximum). It is not the same as drilling the teeth. This illustration shows how 2mm of space can be gained through the process of interproximal reduction.

Will interproximal reduction damage my teeth or gums?

Front teeth form the framework upon which lips rest. Evaluating facial characteristics through photographs and x-rays is an essential step in orthodontic treatment. Your orthodontist will examine your facial appearance and decide whether or not interproximal reduction is suitable or beneficial.

The primary reason orthodontists choose to perform interproximal reduction on some patients is to reduce the size of the teeth so that they can be aligned properly. Studies among patients who have had interproximal reduction show that the procedure does not make teeth more susceptible

to tooth decay nor does the procedure predispose gums to gum disease.



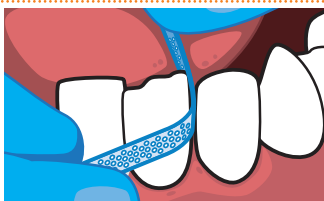


ClinCheck showing exactly where and how much IPR is required

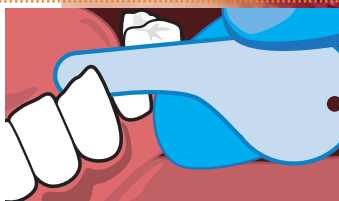
How does Interproximal reduction work?

1. Your doctor will identify which teeth are to be slenderised and your Invisalign ClinCheck will clearly show you exactly where and how much is required
 2. Enamel is removed from the sides of each tooth, where the tooth comes in contact with neighbouring teeth. The enamel may be removed manually or with the aid of a specially-designed dental handpiece.
 3. Your orthodontist carefully removes the desired amount of enamel, leaving each tooth with sufficient enamel to remain healthy and sound.
 4. In performing enamel reduction, the doctor carefully creates needed space that will allow teeth to be placed so that the bite is improved and the teeth take on a pleasing appearance.
 5. Desired positioning can be achieved after teeth are slenderised.
- Extra space is created when tooth width is reduced. The orthodontist can also shape teeth to create a more attractive appearance.

The tools used in the process



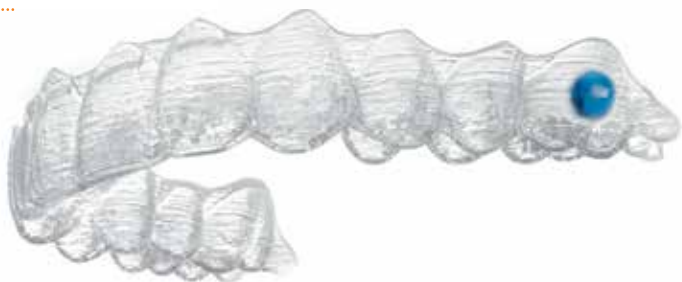
Enamel may be manually removed using diamond strips



The amount removed is measured with thickness gauges



The surface is polished until rounded and smooth



Invisalign Teen aligner

BLUE WEAR INDICATORS (for invisalign teen)



Blue wear-indicators at the rear of the aligners that fade from blue to clear will help the doctor and parents identify if the patient has been wearing their aligners for the sufficient length of time.

ERUPTION COMPENSATORS (for invisalign teen)



In order to compensate for the eruption of canines, second premolars and second molars, special features have been created.



TREATMENT LENGTH



From your Invisalign animations, we will be able to see how many initial aligners there are and therefore give you a rough indication on the initial treatment length.

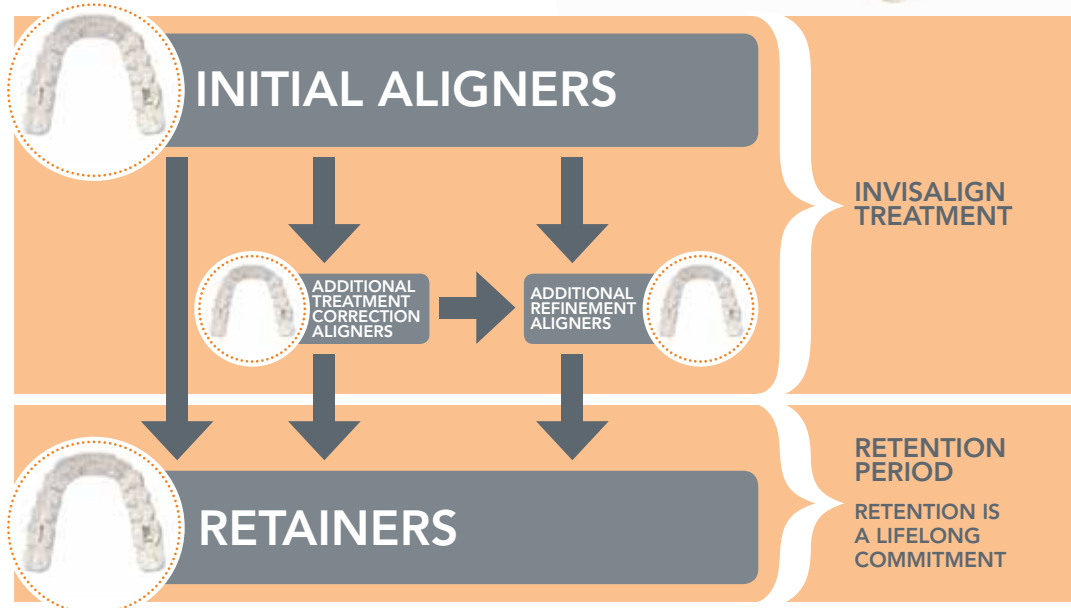
Your orthodontist will determine the frequency for changing aligners during your treatment, for example:

20 initial aligners at 1-2 week change over intervals

= 20 - 40 weeks or 4 - 9.5 months initial treatment length

This excludes any additional aligners for Mid Course Correction, Refinement or any other changes that may occur during the treatment. Additional time should be allowed for these.

Orthodontic treatment is prescribed and it is not always possible to influence the treatment length because of the biological or physiological variables of the patient.



ADDITIONAL ALIGNERS FOR TREATMENT CORRECTION

If aligners are not fitting correctly or the treatment goals have changed, new impressions or a scan and photographs can be processed in order for a new set of aligners to be issued. When a treatment correction set of aligners are made the treatment length will be re-examined and extended. The orthodontist treating you will determine if you need a treatment correction.

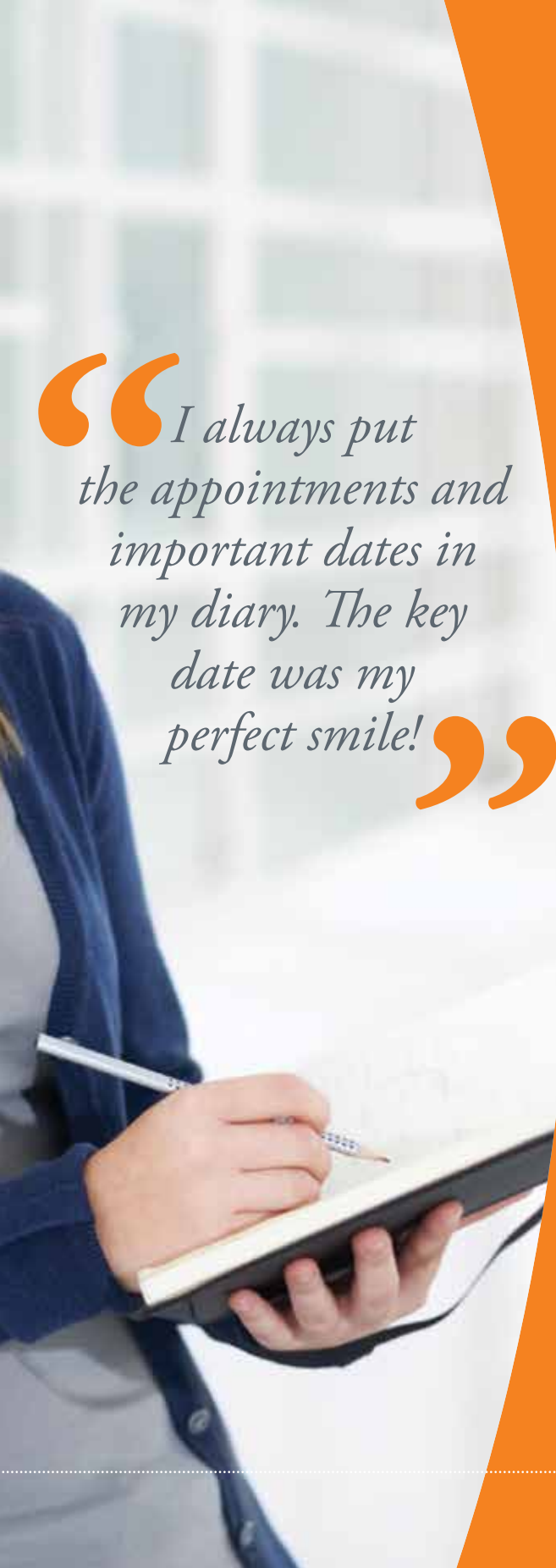
ADDITIONAL ALIGNERS FOR REFINEMENT

On completion of the initial or mid-course correction sets of aligners, if there are any final adjustments that need to be made (for example: minor tooth rotations or closing of gaps etc), then this can be achieved through additional refinement aligners. New impressions or a scan and photographs will be taken in order for Invisalign to make additional sets of aligners that will produce the final tooth movements to reach the desired results.

Additional refinement aligners can extend the length of treatment and your orthodontist will help you understand why these are necessary. The number of additional refinement sessions is determined by which type of Invisalign treatment you are having, for example with Invisalign full you might have three additional refinement sessions while with Invisalign I-7 you might only have one additional refinement session with a limited number of aligners.

Any records taken for additional refinements are to be submitted by a date stipulated by the orthodontist and Align Technology in order to avoid incurring any additional fees. It is important that patients wear their aligners according to the time schedules prescribed by the treating clinician i.e. you should not vary the wear time of your aligners prescribed by your orthodontist (for example: two weeks is two weeks and not more or less).





“I always put the appointments and important dates in my diary. The key date was my perfect smile!”

APPOINTMENTS NEEDED FOR INVISALIGN TREATMENT

You will need to visit the orthodontist at specific crucial times to carry out different aspects of your treatment within the clinic. Your appointments will be specified by your orthodontist and could be anywhere from 4 to 12 week intervals.

THE PROCESS

THE INVISALIGN TREATMENT
JOURNEY FROM BEGINNING
TO END...

Once your doctor determines that Invisalign is right for your orthodontic needs, a set of impressions will be taken and a detailed treatment plan will be developed for you. Once the treatment plan and ClinCheck have been approved by you and your doctor, the bespoke, virtually invisible aligners can be ordered for you to start wearing.

HERE IS THE SIMPLE STEP BY STEP PROCESS THAT YOU AND YOUR DOCTOR WILL GO THROUGH IN ORDER TO ACHIEVE YOUR BRAND NEW SMILE

INITIAL CONSULTATION

#1

- Your doctor will discuss your concerns with you, examine your teeth and take clinical records such as photographs and any necessary x-rays or investigations.
- The orthodontic problems that you present with will need to be balanced against the dental and orthodontic solutions available to you.
- Your doctor will discuss with you which treatment options are best for you.
- If Invisalign is a suitable option, a treatment plan will be designed for you with the agreed specific goals in mind.



#2



MONEY TALK

→ You will be given a quote for your treatment as well as detailed information on the different payment options available to you. One of our treatment co-ordinators will be able to assist you to decide on the most suitable payment method.

IMPRESSIONS OR SCANNING OF YOUR TEETH

→ Impressions of your teeth will be taken and sent directly to the Invisalign laboratories for processing. An alternative to impressions could be an intra-oral scan of the teeth (serial computerised images of your teeth).

#3

INTRA-ORAL SCANNER



IMPRESSIONS



INTRA-ORAL SCANNING



#4



TREATMENT PLANNING

- Invisalign will use your impressions or intra-oral scan to create a digital version of your teeth; so that your doctor can work with a 3D computerised animation (The ClinCheck).
- Your doctor will then plan your tooth movements throughout your whole treatment using the digital animation.
- The 3D animations will allow you to see a virtual representation of your teeth before you start treatment, how they are going to move during your treatment and what your smile should look like when your treatment is complete.

#5



WEARING YOUR ALIGNERS

- Once you and your doctor have agreed to the treatment plan, bespoke aligners are then custom-made for you.
- You have to wear each aligner for approximately 1-2 weeks at a time (subject to the instructions given by your orthodontist), before you change to the next aligner in the series.
- The total number of aligners for each individual will vary.
- Aligners should be worn all of the time - day and night, except when eating, brushing or flossing teeth.
- The optimum wear time is usually 22 hours per day.
- In order to complete your treatment in the timeline determined by your Invisalign ClinCheck and your doctor, you must follow your wear time instructions by your orthodontist.
- Invisalign treatment can involve any number of aligners for both the upper and lower teeth and your orthodontist will determine how long your treatment will be.



#6



ATTACHMENT FITTING AND INTERPROXIMAL REDUCTION (IPR)

- If your Invisalign treatment involves attachments or Interproximal reduction your orthodontist might choose to do it at the beginning or at specific times during your treatment.
- Not all treatments necessarily require attachments to be placed and your orthodontist will confirm if this is the case at either your first fitting appointment or upon approval of your Invisalign ClinCheck animations.
- Prescribed Interproximal reduction is usually carried out at specific points before you can wear certain aligners. Your orthodontist will know exactly when, how much is required and will inform you of the timetable for doing this.

#7



REVIEW APPOINTMENTS

- You will have regular appointments which could vary between 4-12 week intervals. During these appointments, your doctor will monitor your progress, give you advice, carry out any interventions or issue you with your next progressive series of aligners.
- Interproximal reduction may need to be carried out at certain review appointments before you move onto specific aligners.
- You will notice gradual movements throughout each stage of your treatment, until eventually your teeth are repositioned for an even and healthy smile.

#8a

OR

#8b



#9

ADDITIONAL ALIGNERS FOR TREATMENT CORRECTION

- If clinically necessary, impressions or a scan and photographs will be taken for a series of mid-course correction aligners to be made for you.
- Additional aligners for treatment corrections are sometimes required if initial aligners are not fitting correctly or the treatment goals have changed.
- By having treatment correction aligners your treatment length will be extended.
- Treatment correction is only appropriate to certain Invisalign treatments and can only be ordered by your doctor.

ADDITIONAL ALIGNERS FOR REFINEMENT

- If clinically necessary, impressions or a scan and photographs will be taken for a series of refinement aligners to be made for you.
- Additional aligners for refinement aligners are sometimes required if any final adjustments need to be made to the teeth (for example: minor tooth movements or closing of any gaps).
- By having refinement aligners your treatment length will be extended.
- The type of Invisalign treatment you are having will determine how many sessions of refinements you can have.

RETENTION

- Once you have completed all of your treatment, you will need to protect your new smile with retainers.
- Your orthodontist will prescribe the most suitable retention device for you based on your clinical needs.
- Retainers will keep your teeth in their new position so you can enjoy a long lasting smile.



WHAT DOES INVISALIGN COST?



THE SECRET'S IN YOUR SMILE

Improving your smile is an important investment. No matter what you have believed in the past, a confident, radiant smile is within your reach. Invest in yourself and unlock your smile's greatest potential.

HOW MUCH DOES INVISALIGN COST?

Although we understand that price is an important consideration, there is no definitive answer until you have visited an Invisalign-trained doctor for an initial consultation.

The cost for Invisalign is dependent on the specifics of your individual needs, as with all other types of orthodontic treatment. Factors such as complexity and length of treatment are taken into consideration but generally the cost is comparable to traditional fixed braces.

Only the treating Invisalign doctor is able to fully determine your cost. To obtain an estimate for the total cost of your treatment, arrange an initial consultation with us today!

Visit our website for more information: www.braces.co.uk

High Wycombe
01494 513797

Beaconsfield
01494 681367

Denham
01895 831049

London, Ealing
0208 566 9567

INSTRUCTIONS AND CARE GUIDE FOR YOUR INVISALIGN ALIGNERS

WEARING AND USING YOUR INVISALIGN ALIGNERS

Here are some helpful tips to enable the appropriate use of your aligners and to avoid them from being damaged.

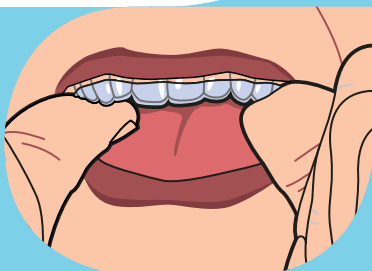
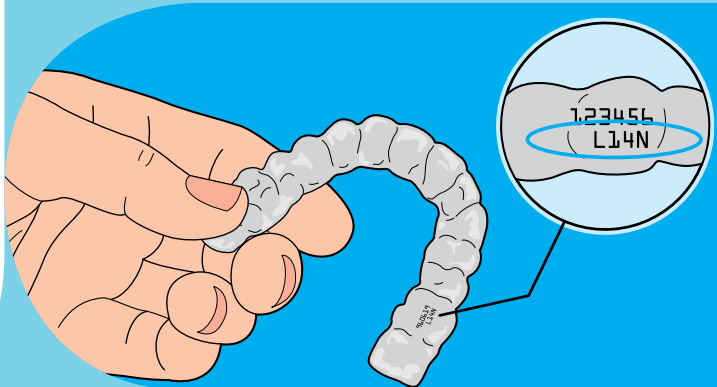
IMPORTANT TIPS FOR YOU TO FOLLOW:

- You must wear your aligners as instructed by your doctor; usually 22 hours per day.
- Only take them out for brushing your teeth, eating and drinking hot drinks.
- Make sure you wash your hands thoroughly before handling your aligners.
- Only handle ONE aligner at a time.
- When removing your aligners from the packaging, you should always rinse them before wearing them.

HOW TO INSERT YOUR ALIGNERS:

Always check that you are about to insert the correct aligner by having the upper for your top teeth and the lower for your bottom teeth.

This can be checked by looking at the engraving on each of your aligners, a "U" is marked for upper and an "L" for lower, followed by the stage number of the aligner.



Either your upper or lower aligner can be inserted first. To insert your aligners; firstly you need to gently push the aligners over your front teeth. Then, using your fingertips, apply equal pressure to the back teeth and push down until the aligner clicks into place.

DO NOT bite your aligners into position as this may cause damage to them.

Note: If you experience any sharp pain or significant discomfort, please contact your doctor for advice or an appointment if necessary.

IMPORTANT THINGS TO REMEMBER DURING YOUR INVISALIGN TREATMENT:



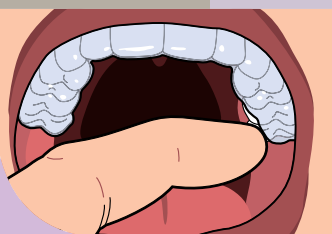
Use aligner chewies to fully seat new aligners in place, as this ensures proper fitting so that your teeth can move efficiently.

You can use dental floss periodically to check that there are spaces between your teeth. Teeth move better if there is a little bit of space between them.

If you notice that a specific tooth is not fully seated into an aligner:

1. Continue wearing current aligner (do not change to the next one).
2. Report the discrepancy to your orthodontist, who might ask you to make an appointment for examination and to rectify the problem.

HOW TO REMOVE YOUR ALIGNERS:

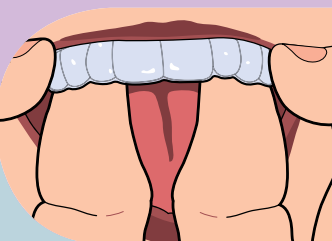


Only remove one aligner at a time.

To begin with, on one side of your mouth, use your fingertip on the inside of your back teeth to slowly peel the aligner free from your teeth.



Repeat this process on the other side of your mouth, leaving the aligner just covering the front teeth.



Once the aligner is disengaged from the back teeth on both sides, you should then be able to slowly work your way forward, gently prying the aligner away from your teeth at the front with your fingertips.

Note:

Immediately rinse your aligner with water and shake off any excess water.

Always store your aligners in the protective case provided with your starter kit at the beginning of treatment.

Avoid unnecessary removal of your aligners to help prevent any damage to them.

Follow the removal guide correctly to avoid any breakage to your aligners.

If multiple attachments are being used, take extra care when removing your aligners

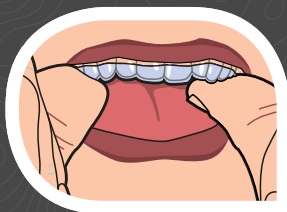
Excessive force should not be used to bend or twist an aligner into position or for removal.

DO NOT use any sharp object to remove your aligners.

Always contact your doctor if your aligners are extremely difficult to remove.

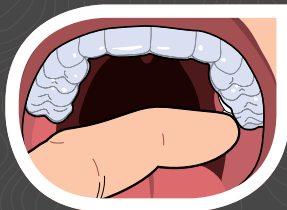


INSTRUCTIONS FOR INVISALIGN PATIENTS



Please follow the instructions on how to insert and remove your aligners:

To insert your upper or lower aligners; first you need to gently push the aligners over your front teeth. Then, using your fingertips, apply equal pressure to the back teeth and push down until your aligner is in place. Use your 'chewies' to ensure that the aligners are properly seated and secure.



To remove your upper and lower aligners; remove one at a time by pulling your aligner away from your back teeth and slowly work your way round to the front teeth.



Important care instructions for your Invisalign aligners:

If your aligners have been removed they must be placed into a secure plastic case to avoid loss or damage.

- Aligners must be worn for 22 hours a day; otherwise there is a risk that your treatment will not achieve the best results.

- Your treating clinician would advise you on the frequency of change of your aligners. Please do not deviate from this advice as this could adversely affect the outcome of your treatment.

- Only take your aligners out for eating and brushing your teeth.

- Your aligners need to be removed if you are drinking any hot or coloured liquids.

- Use a clear liquid soap and a separate soft toothbrush to clean your aligners and rinse them thoroughly with cold water only several times a day. Toothpaste contains abrasive agents and peppermint oils which can discolour or damage your aligners.



Guidance on oral health and problems that may occur during treatment:

- If the edges of your aligners feel sharp or irritate your gum or tongue, you can use a nail file or emery board to smoothen down the sharp plastic edges. If ulcers develop, these can be managed by using DIFLAM SPRAY (available at your local chemist) or ORAL RELIEF GEL (available at Octagon Orthodontics).
- If you have had attachments placed on your teeth, you might experience some discomfort or irritation when you remove your aligners for cleaning or eating. This can be managed by using DIFLAM SPRAY (available at your local chemist) or ORAL RELIEF GEL (available at Octagon Orthodontics).
- If an attachment or button is displaced or comes off, please do not be alarmed because this is not an emergency situation. Your treating clinician will decide whether it needs to be replaced or not at a later date. You might want to notify us of any lost attachments or buttons by email or telephone if you require any additional guidance.
- If any of your aligners are lost or damaged, you may want to consider the following options:
 - 1) Go back to the previous aligner and contact the practice for any further advice.
 - 2) Move up to the next pair of aligners in the series (change both upper and lower aligners so you are wearing the same number on the top and the bottom) if they fit.
 - 3) Replacement aligners can be ordered for you but these will attract additional charges. Please notify the practice as soon as possible.
 - 4) Please notify the practice if any changes have occurred in the sequence of your aligner wear.
- Your orthodontist will give you guidance on the intervals between appointments which could be anywhere up to 12 weeks or longer. The aligners are still moving your teeth so you may not need to come in as frequently as expected.

Clean your teeth using your regular toothbrush, toothpaste and dental floss.



MAINTENANCE AND DAILY CARE GUIDE FOR YOUR ALIGNERS



HOW TO CLEAN YOUR ALIGNERS



- Remember to clean your aligners prior to each wear.
- You must remove your aligners to clean them.
- Use a soft bristle toothbrush with water and a small amount of clear liquid soap to brush them clean.
- Thoroughly rinse each aligner with water after cleaning.

- It is also a good idea to clean your aligners with the Invisalign cleaning crystals once a week, or as needed.

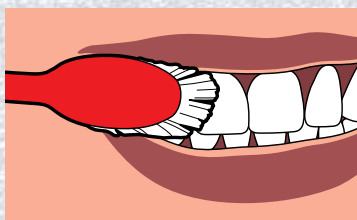
Note:

Do NOT use denture cleaners to clean the aligners.

Do NOT soak them in mouthwash.

These products can damage the surface of the aligners, causing them to become dull and more visible.

GOOD ORAL HYGIENE



Always brush your teeth without wearing the aligners, this will maintain good oral hygiene and prevent damaging the aligners.

- Remove your aligners for eating and drinking hot liquids.
- You do not need to remove your aligners to drink cool water.
- You must brush your teeth after each meal or snack prior to re-inserting your aligners.
- If you do not have access to cleaning facilities, you can simply rinse your mouth, and then clean your aligners by holding them under warm running water. It is not the best way to clean, but it is a good temporary fix.

- Remember to clean your aligners and brush your teeth at your earliest convenience.

Note:

If you need any advice regarding specific hygiene techniques, please contact your doctor.

We recommend that Invisalign patients continue with regular dental check ups and hygiene cleans for the continued health of teeth and gums.

KEEPING YOUR ALIGNERS SAFE



- You will be provided with two different coloured aligner cases with your starter kit.
- A blue case and a red (or orange) case.
- You must always store your aligners in a case when they are not in your mouth.
- This will help protect them from loss or damage.
- Your doctor will advise you on how to use each aligner case and how to store your previous aligners.

Note:

Keep all of your older aligners in a safe place.

Keep them out of reach of small children and pets.

Contact your doctor immediately if you loose an aligner.

Contact your doctor immediately if an aligner is broken.



BOOK AN APPOINTMENT AT OCTAGON ORTHODONTICS TODAY | TELEPHONE: 0845 601 0700



INVISALIGN FOR KIDS AND TEENAGERS



REASONS WHY PEOPLE CHOOSE INVISALIGN TEEN:



BOOK AN APPOINTMENT AT OCTAGON ORTHODONTICS TODAY | TELEPHONE: 0845 601 0700

Laura

No metal involved in the treatment

Laura

It is virtually invisible

Mum

Fewer appointments required

Laura

I can remove my aligners if I wish

Laura

It will not have a major impact on my lifestyle

Mum

No emergencies!

Laura

I can brush and floss normally

Mum

This is the latest technology and support information is available online

Laura

It can straighten my teeth

Mum

Prices are not prohibitive

Mum



Laura





REASONS WHY PEOPLE CHOOSE INVISALIGN TEEN:



James

I don't want braces that show!

Mum

Invisalign has fewer appointments and longer intervals mean less impact on our school and holiday calendar

Mum

No emergency appointments required

Mum

6 free replacements for lost aligners [3 sets] 😊

James

Does not interfere with my social events or performances such as drama, theatre, music, video, tv and filming productions 😊

Friend: Emma

WOW! I see the costs are the same as fixed braces! 😭 Wish I knew that before I got my fixed braces

Mum

I had bad experiences when I wore fixed braces, so I don't want you to go through that

Friend: Emma

You will be able to brush and floss normally! ❤️

Friend: Emma

...and you can remove the braces to eat anything you want! ❤️❤️❤️❤️

James

I suffer from mouth ulcers and I think fixed braces will be more uncomfortable



WHAT IS INVISALIGN TEEN?

Invisalign treatment uses a series of custom-made, nearly invisible, removable aligners to move your teeth in a gradual step by step process. Aligners are changed every two weeks, until your teeth have been straightened to the final position prescribed by your doctor.

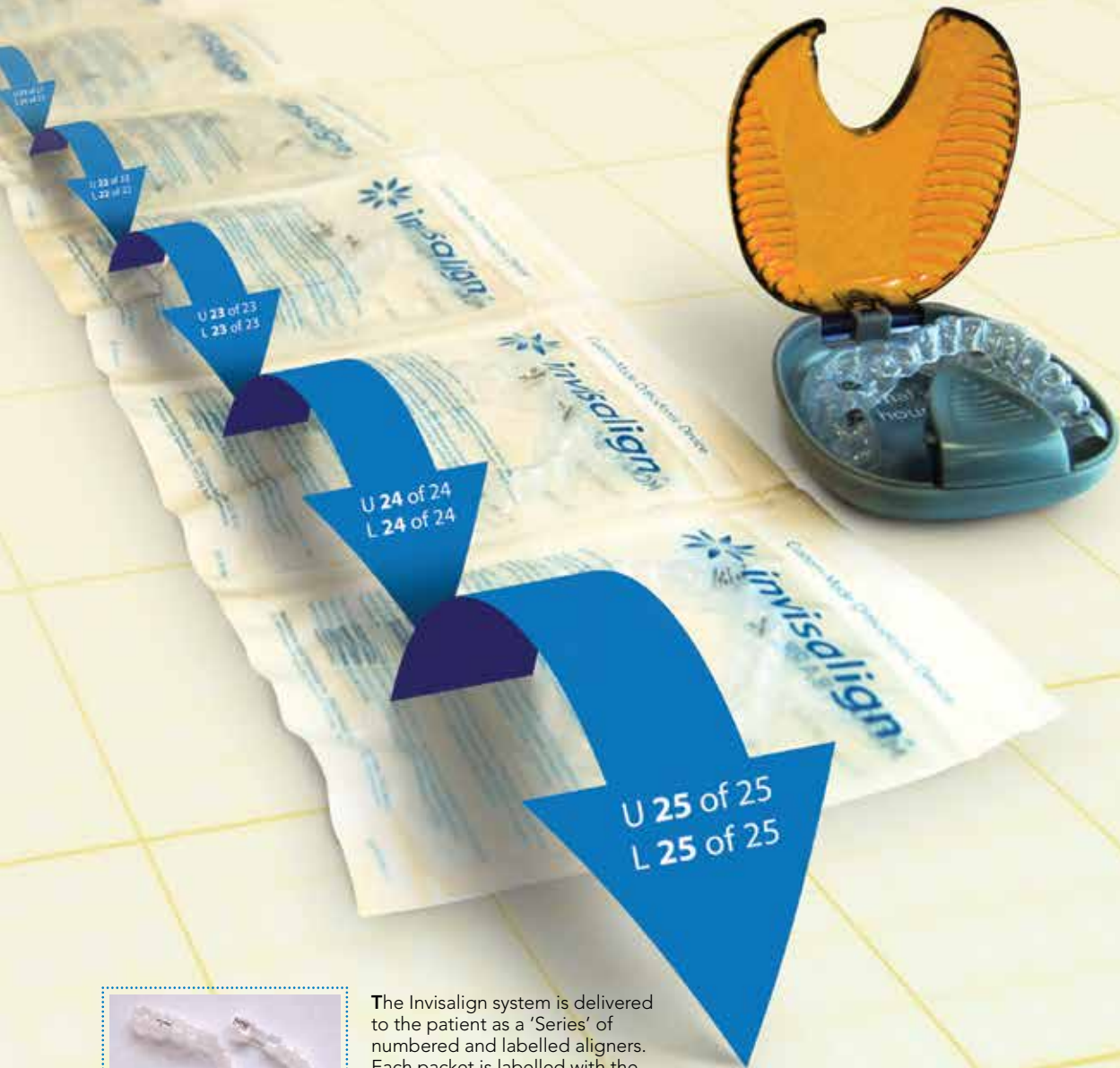
A virtual 3D treatment plan (ClinCheck treatment plan) is produced by Invisalign based on your doctor's specific instructions. You will be able to view your virtual treatment plan prior to wearing your aligners. This allows you, through 3D animations to see the individual teeth movements at each stage throughout the course of your treatment. It also enables you to see what your final result is expected to look like at the end of treatment.

Once both you and your doctor are happy with the results of the ClinCheck treatment plan, your custom-made, clear aligners are produced especially for you. All aligners are individually manufactured to fit your teeth and will not work on anyone else!

Invisalign is the comfortable, sensible way to straighten your teeth. Even though there are a variety of choices available for transforming your smile, no other treatment will work as comfortably or without interfering with your normal day to day life.



Blue wear-indicators at the rear of the aligners that fade from blue to clear will help the doctor and parents identify if the patient has been wearing their aligners for the sufficient length of time.



The Invisalign system is delivered to the patient as a 'Series' of numbered and labelled aligners. Each packet is labelled with the patients name, doctors name, treatment type and the number of the aligner within the series. For example:

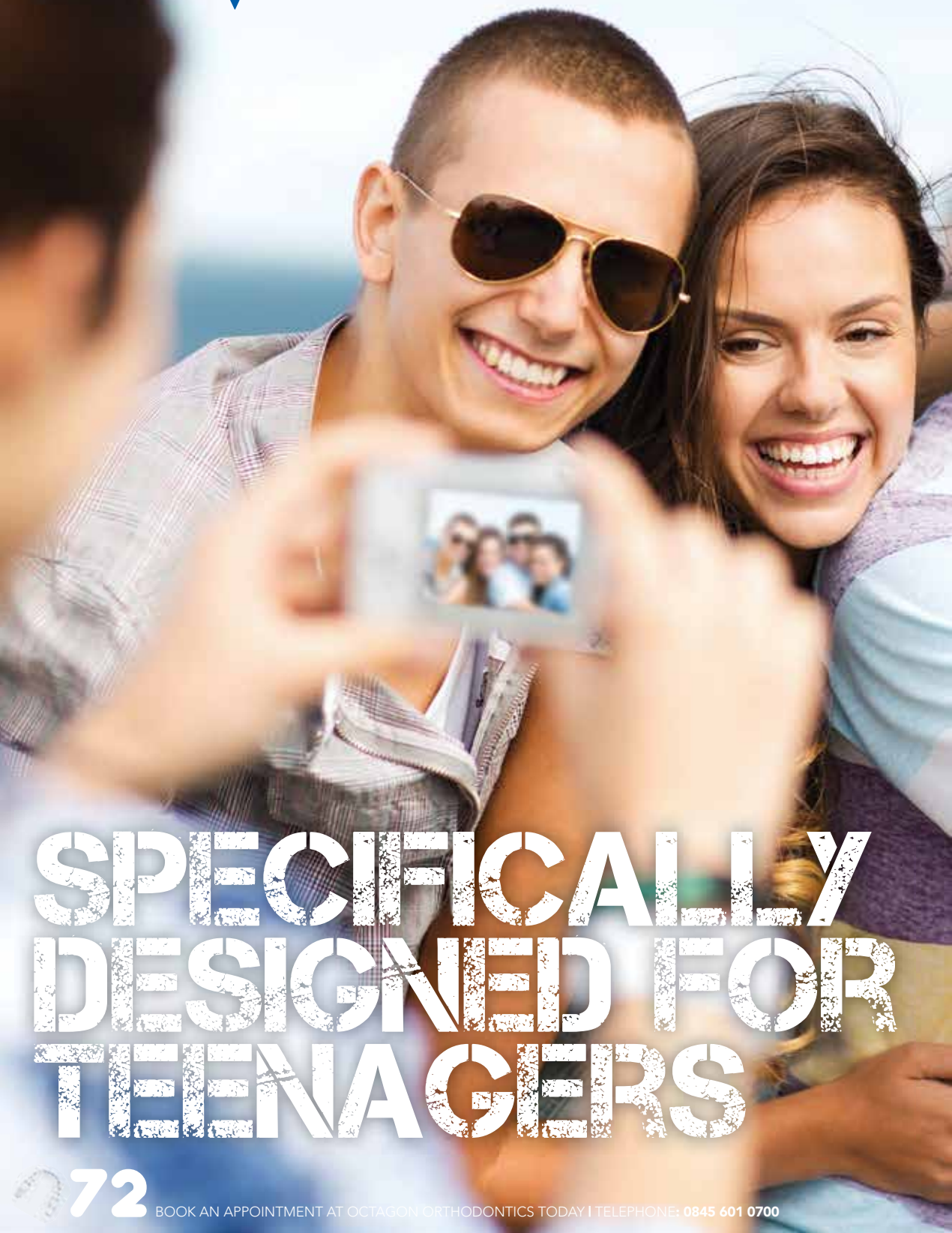
U 15 of 25
L 15 of 25

This packet contains the 15th upper and lower aligners of 25 aligners.

The aligners must be worn for a minimum of 22 hours each day and changed to the next sequential aligner within the series every 1-2 weeks throughout the treatment.

*This process can only be varied by your qualified, supervising doctor

 **invisalign**^{teen}



**SPECIFICALLY
DESIGNED FOR
TEENAGERS**

72

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TEENAGERS TOO CAN BENEFIT FROM INVISALIGN TREATMENT

Invisalign offers an aesthetic, more flexible way to give teenagers the confidence of a great smile, unlike traditional braces. Teenagers can continue to enjoy life without the restrictions that traditional fixed braces have. Invisalign aligners are removable, comfortable, and nearly invisible, which means that there is no irritation or self-consciousness that is usually associated with metal brackets and wires.

One of the great advantages of Invisalign aligners is that they are removable, which means that teenagers can continue brushing and flossing their teeth normally and ultimately, this can lead to better overall dental health in the future.

OPTIONS AVAILABLE FOR TEENAGERS

Depending on the stage of teeth development, Invisalign has a number of treatment options that are available for teenagers.

Some teenagers will be able to have the same Invisalign treatment as adult patients.

Younger teenagers or those patients who have not got all of their adult teeth erupted yet, can be treated with Invisalign Teen. Invisalign Teen is specifically designed for teenagers. Your doctor will determine which Invisalign treatment best suits your individual needs.

WHY CHOOSE INVISALIGN TEEN?

Leading orthodontists have worked closely with teenagers and parents in order to develop Invisalign Teen. Understanding teenage active lifestyles and the unique treatment needs of teenagers has been paramount.

The same Invisalign technology is used to make Invisalign Teen aligners as is used for Invisalign aligners for adults, by moving teeth gradually without any fixed metal or wires.

A FEW SPECIAL FEATURES HAVE BEEN ADDED TO ACCOMMODATE THE TEEN LIFESTYLE:

- Blue wear-indicators at the rear of the aligners that fade from blue to clear will help the doctor and parents identify if the patient has been wearing their aligners for the sufficient length of time.
- In order to compensate for the eruption of canines, second premolars and second molars, special features have been created.
- If any aligners are lost or misplaced, Invisalign Teen can provide up to six free replacements.

Talk to your doctor to find out more about Invisalign for teenagers. Your doctor will be able to suggest the best treatment option for you and discuss the process in getting started with you.



Blue wear-indicators



Teenagers whose adult teeth have not all erupted yet

WHEN SHOULD CHILDREN SEE AN ORTHODONTIST?

DENTISTS' INFORMATION



Malocclusion, like caries and periodontal disease, creeps up on its victims slowly... and we have the ethical duty to detect and inform.



Robert Kirshen, Orthodontic screening in a minute - BDJ 1998

All busy dentists are glad for time saving tips and clear guidance on which cases to refer in order to fulfil their responsibilities to patients who ultimately remain in their care from birth to adulthood.

A short and simple clinical examination can lead to the discovery of problems which can be addressed or corrected.

THINGS DENTISTS CAN CHECK INCLUDE:

1: SKELETAL DISCREPANCIES ➔

Severe class II or III patterns are easy to pick up during facial examination. Moderate or mild skeletal problems require a closer look and might only become obvious through detailed measurements or radiographic examination.

2: SOFT TISSUE FORM

Lips might not meet at rest or the patient might be unable to close their lips [incompetent]. The lips might protrude excessively as in bimaxillary proclination cases.

3: HABITS

Thumb and finger sucking, nail biting and pen chewing can disrupt the occlusion.

4: ECTOPIC, MISSING OR UNERUPTED TEETH ➔

With the help of an eruption calendar a tooth count can determine whether the clinical picture matches the patient's age. Supernumerary and supplemental teeth might not be obvious clinically but a radiographic examination is recommended if these are suspected.

5: THE OCCLUSION

Teeth can be out of the intercuspal position due to crowding, spacing, cross bites, overjet or overbite problems, centerline shifts and skeletal discrepancies.

6: PREMATURE CONTACTS & DISPLACEMENTS

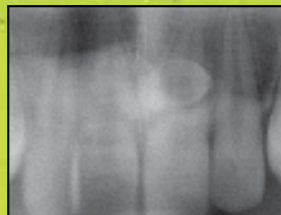
These can be determined by examining the occlusion in a retruded contact position.



➔ Example point 1:

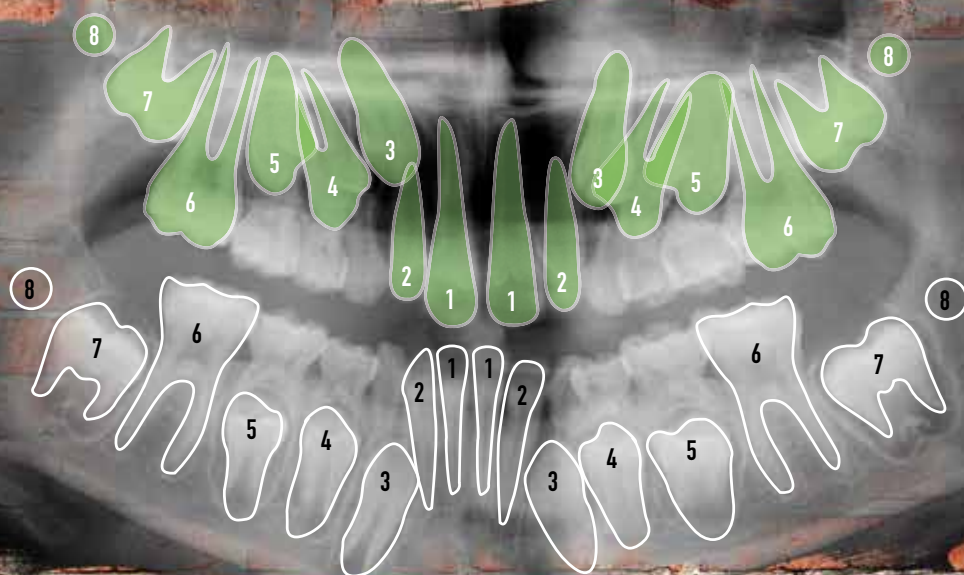
Upper jaw and tooth position
Goofy appearance has resulted from upper jaw being too far forward and upper teeth pointing forward.

Lower jaw position
Lower jaw set back relative to top.



➔ Example point 4: Supernumerary teeth.

ERUPTION TIMETABLE



UPPER

- 1 MAX. CENTRAL INCISORS - ERUPTION AGE: 7-8 YEARS
- 2 MAX. LATERAL INCISORS - ERUPTION AGE: 8-9 YEARS
- 3 MAX. CANINES - ERUPTION AGE: 11-12 YEARS
- 4 MAX. FIRST PREMOLARS - ERUPTION AGE: 10-11 YEARS
- 5 MAX. SECOND PREMOLARS - ERUPTION AGE: 10-12 YEARS
- 6 MAX. FIRST MOLARS - ERUPTION AGE: 5-6 YEARS
- 7 MAX. SECOND MOLARS - ERUPTION AGE: 12-13 YEARS
- 8 MAX. THIRD MOLARS - ERUPTION AGE: 17-25 YEARS

LOWER

- 1 MAND. CENTRAL INCISORS - ERUPTION AGE: 6-7 YEARS
- 2 MAND. LATERAL INCISORS - ERUPTION AGE: 7-8 YEARS
- 3 MAND. CANINES - ERUPTION AGE: 9-10 YEARS
- 4 MAND. FIRST PREMOLARS - ERUPTION AGE: 10-12 YEARS
- 5 MAND. SECOND PREMOLARS - ERUPTION AGE: 11-12 YEARS
- 6 MAND. FIRST MOLARS - ERUPTION AGE: 5-6 YEARS
- 7 MAND. SECOND MOLARS - ERUPTION AGE: 12-13 YEARS
- 8 MAND. THIRD MOLARS - ERUPTION AGE: 17-25 YEARS

ORTHODONTIC PROBLEMS TO WATCH FOR

THINGS TO LOOK FOR IN 7 – 10 YEAR OLDS

- ➔ Moderate to severe skeletal discrepancies
- ➔ Delayed eruption
- ➔ Infraocclusion or submergence
- ➔ Large overjets
- ➔ Deep overbites
- ➔ Centreline discrepancies
- ➔ Crowding
- ➔ Crossbites
- ➔ Impacted first molars or canines
- ➔ First molars of poor prognosis
- ➔ Persistent habits
- ➔ Abnormal soft tissue patterns

THINGS TO LOOK FOR IN 11 – 13 YEAR OLDS

- ➔ Skeletal discrepancies
- ➔ Marked overjets
- ➔ Deep or reduced overbites
- ➔ Centreline discrepancies
- ➔ Buccal segment discrepancies
- ➔ Crowding
- ➔ Spacing
- ➔ Anterior and posterior crossbites
- ➔ Missing teeth
- ➔ Unerupted teeth

Problems that can be treated with



Not only can Invisalign provide you with a confident smile and increased self-esteem, your oral health can be positively enhanced as well.

An experienced Invisalign-trained dental practitioner can work with you to correct several common issues:

How to detect bite problems:

- 1 Abnormal wear or breakdown of tooth surfaces
- 2 Loosening teeth & gaps between the teeth
- 3 Receding gums
- 4 Difficulty cleaning certain areas between the teeth
- 5 Localised tooth decay or gum disease
- 6 Jaw aches & pains
- 7 Non specific tooth ache or pains
- 8 You feel uncomfortable when your teeth meet

CROWDED TEETH (UPPER)



CROWDED TEETH (LOWER)



SPACING



UPPER TEETH STICKING FORWARD



CROSSBITE



DEEPBITE



OPEN BITE



TOOTH WEAR (UPPER)



TOOTH WEAR (LOWER)



PERIODONTAL PROBLEMS (GUM DISEASE)



CENTRE LINE DISCREPANCIES



INCORRECT BITE



MISSING TEETH



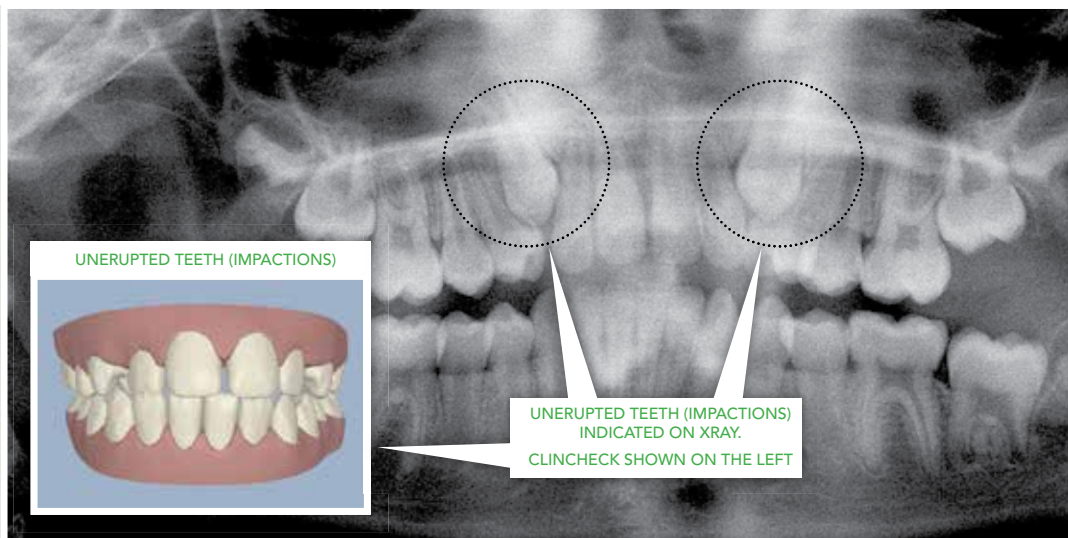
UPPER JAW STICKING FORWARD



LOWER JAW STICKING FORWARD



UNERUPTED TEETH (IMPACTIONS)



UNERUPTED TEETH (IMPACTIONS)



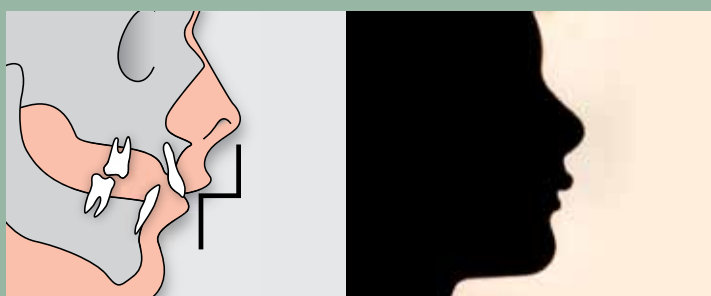
UNERUPTED TEETH (IMPACTIONS)
INDICATED ON XRAY.
CLINICHECK SHOWN ON THE LEFT

TREATMENT FOR GOOFY TEETH AND OVERJETS...

One of the most common orthodontic problems is a discrepancy that occurs if the lower jaw is set back relative to the upper, giving the appearance of goofy or protruding upper teeth.

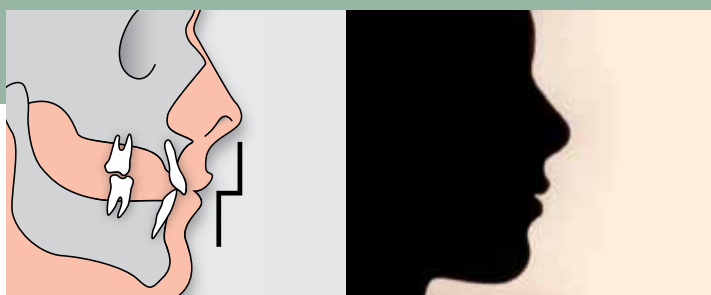
With these cases the treatment objective would be to encourage the lower jaw to catch up in growth and a functional appliance may help this happen. Functional appliances are devices used to correct bad bites and they are mainly used in growing patients. They are so-called because you can 'function' when they are in your mouth. These appliances exploit the muscle actions used when speaking, eating and swallowing to produce forces that move the teeth and align the jaws. Invisalign Teen with mandibular advancement (for complex cases) offers a simpler, more efficient and patient-friendly treatment option than traditional functional appliances to treat goofy teeth and overjets.

EFFECT OF FUNCTIONAL APPLIANCES ON THE PROFILE



➤ **BEFORE TREATMENT:**

The lower jaw is smaller than the upper causing an adverse profile where the top appears to stick out as shown in the silhouette.



➤ **AFTER TREATMENT:**

The jaws have been brought into alignment by wearing functional braces which has corrected the profile creating a much straighter silhouette.

4 MILLION PATIENTS
WORLDWIDE HAVE MORE
REASONS TO SMILE

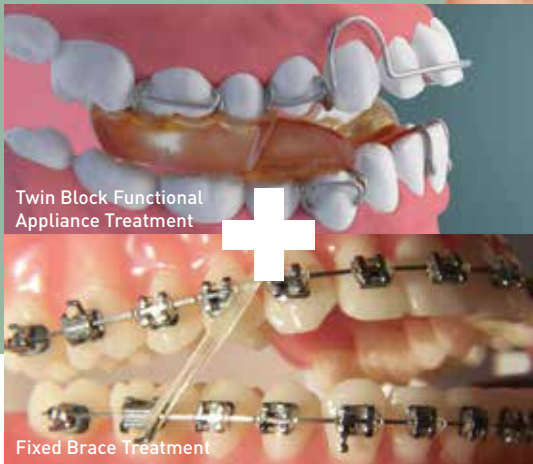
**FIX YOUR
SMILE WITH**



COMPARISON OF FUNCTIONAL APPLIANCE METHODS

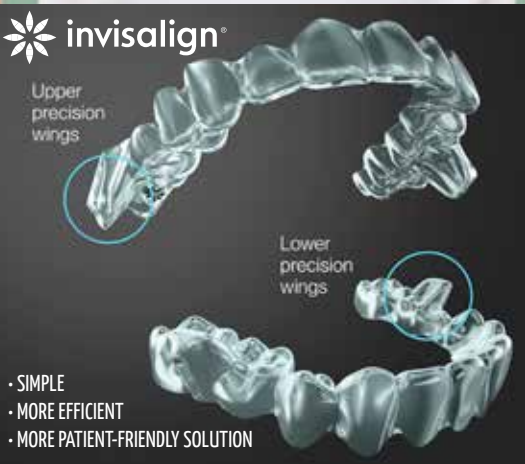


TWIN BLOCK & FIXED BRACES



TREATMENT LENGTH	24-36 MONTHS
TREATMENT PLAN	2 PHASES: OVERJET CORRECTION & TOOTH STRAIGHTENING DONE SEPARATELY
SPEECH	AFFECTED BY TWIN BLOCK
VISIBILITY	OBTRUSIVE
COMFORT	VARIABLE
LOST BRACES	EXPENSIVE

INVISALIGN TEEN FOR COMPLEX CASES

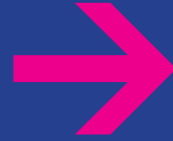


TREATMENT LENGTH	18-24 MONTHS - 6 MONTHS QUICKER
TREATMENT PLAN	SINGLE PHASE COMBINED TREATMENT: CORRECTS GOOFY TEETH & STRAIGHTENS TEETH TOGETHER
SPEECH	UNAFFECTED BY INVISALIGN
VISIBILITY	INVISIBLE
COMFORT	VERY COMFORTABLE
LOST BRACES	NO COST FOR LOST ALIGNERS



 invisalign[®]teen

CASE STUDIES





→ CASE STUDY

TEEN SEVERE CASE
'FANGS'



BEFORE TREATMENT

AFTER TREATMENT



TOTAL TREATMENT TIME:
26 MONTHS

NUMBER OF ALIGNERS:
48



This female patient was 13 years 8 months when she commenced her Invisalign Teen treatment

PROBLEMS:

- "Fangs"
- "I look like a vampire!"
- Severe crowding in the upper arch
- Moderate crowding in the lower arch
- Incorrect bite
- Centreline displacement

ADDITIONAL INFORMATION:

- Patient had to wear some elastic bands and bonded hooks to help pull down the fangs during the Invisalign treatment



RESULTS ACHIEVED:

- Getting rid of the 'fangs' by bringing them into better positions
- Alignment of upper and lower teeth
- Improving the bite
- Correction of centre lines
- Reduction of open bite

RETENTION:

- Upper: Bonded (fixed) retainer and removable transparent retainer
- Lower: Bonded (fixed) retainer and removable transparent retainer





→ CASE STUDY

TEEN SEVERE CASE
'GAPS & TWISTED TEETH'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
13 MONTHS

NUMBER OF ALIGNERS:
26

BEFORE TREATMENT



AFTER TREATMENT



This male patient was 13 years 7 months when he commenced his Invisalign Teen treatment

PROBLEMS:

- "Teeth sticking out a little and are twisted"
- Incorrect bite or mis-matched teeth
- Moderate crowding in the upper arch
- Mild crowding in the lower arch
- Centreline displacement

RESULTS ACHIEVED:

- Alignment of upper and lower teeth
- Bite correction
- Close the spaces
- Sorting out the crowded teeth
- Correction of centrelines

RETENTION:

- Upper: Vivera retainer
- Lower: Vivera retainer

BEFORE TREATMENT



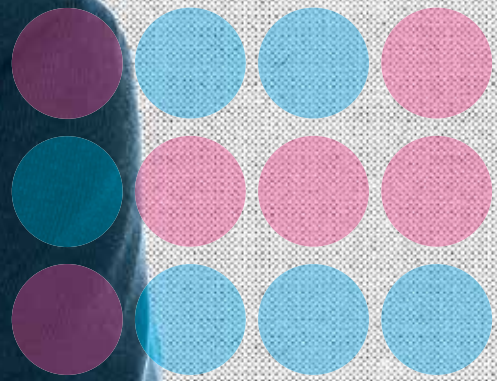
AFTER TREATMENT





→ CASE STUDY

TEEN SEVERE CASE
'GOOFY & CROOKED TEETH'



BEFORE TREATMENT

AFTER TREATMENT



TOTAL TREATMENT TIME:
38 MONTHS

NUMBER OF ALIGNERS:
75

BEFORE TREATMENT



AFTER TREATMENT



This female patient was 11 years 11 months when she commenced her Twin Block and Invisalign Teen treatment

PROBLEMS:

- "I've got goofy teeth"
- "I don't like the gaps between my teeth"
- Receding chin
- Overjet of 10mm
- Incorrect bite
- Severe crowding in the upper arch
- Moderate crowding in the lower arch
- Misaligned and misplaced upper left canine and upper left premolar

ADDITIONAL INFORMATION:

- Patient was treated using Twin Block functional appliance, Invisalign Teen and some fixed hooks on the back teeth

RESULTS ACHIEVED:

- Alignment of upper and lower teeth
- Correction of goofy teeth and overjet
- Correction of misplaced upper left canine and upper left premolar

RETENTION:

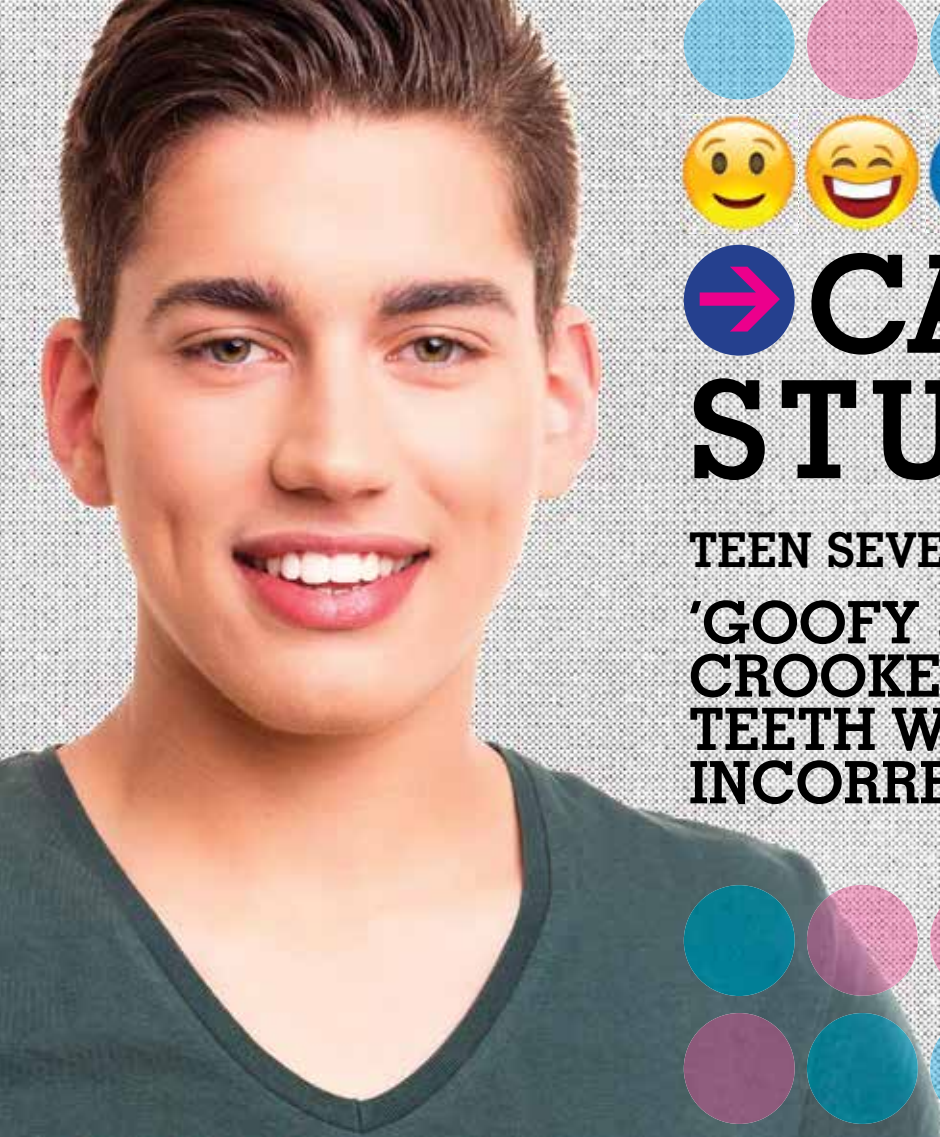
- Upper: Removable transparent (blowdown) retainer
- Lower: Removable transparent (blowdown) retainer

BEFORE TREATMENT



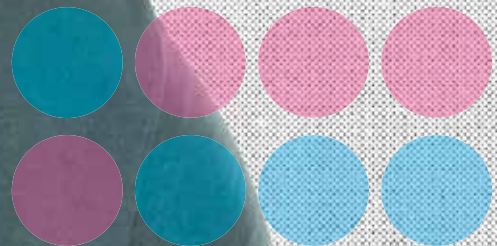
AFTER TREATMENT





→ CASE STUDY

TEEN SEVERE CASE
'GOOFY & CROOKED
TEETH WITH
INCORRECT BITE'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
19 MONTHS

NUMBER OF ALIGNERS:
84

A



B



BEFORE TREATMENT



AFTER TREATMENT



This male patient was 12 years 11 months when he commenced Invisalign Teen treatment

PROBLEMS:

- "My teeth stick out and hurt my lower lip"
- "My bite feels funny and my teeth are wonky"
- Overjet of 7mm
- Incorrect bite
- Severe crowding in the upper and lower arches
- Centre line displacements

ADDITIONAL INFORMATION:

- Elastic bands were used to help correct the goofiness of the teeth

A

B

RESULTS ACHIEVED:

- Alignment of upper and lower teeth
- Correction of the bite and centre lines

RETENTION:

- Upper: Removable Vivera retainer
- Lower: Removable Vivera retainer

BEFORE TREATMENT



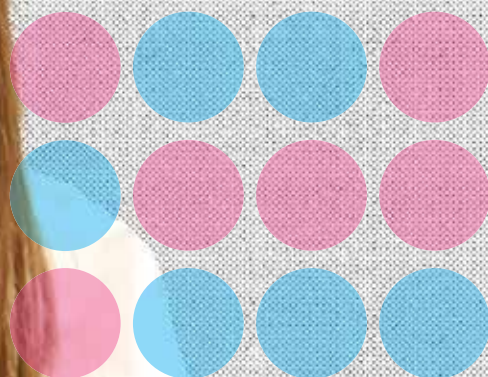
AFTER TREATMENT





→ CASE STUDY

TEEN SEVERE CASE
'SEVERE CROWDING'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
21 MONTHS

NUMBER OF ALIGNERS:
44

BEFORE TREATMENT



AFTER TREATMENT



This female patient was 12 years 7 months when she commenced her Invisalign Teen treatment

PROBLEMS:

- "I do not like my crooked teeth"
- "I can't smile confidently"
- Upper permanent canines partially erupted, impacted and rotated
- Severe crowding of the upper and lower arches
- Upper and lower centre lines displaced to the right
- Gingival recession and dehiscence involving upper left central incisor and lower right central incisor

RESULTS ACHIEVED:

- Resolution of severe crowding
- Correction of anterior crossbite
- Dis-impaction and de-rotation of upper permanent canines
- Functional overjet and overbite achieved
- Canine guidance achieved
- Upper and lower centre lines corrected
- Successful management of case without worsening of gingival defects

RETENTION:

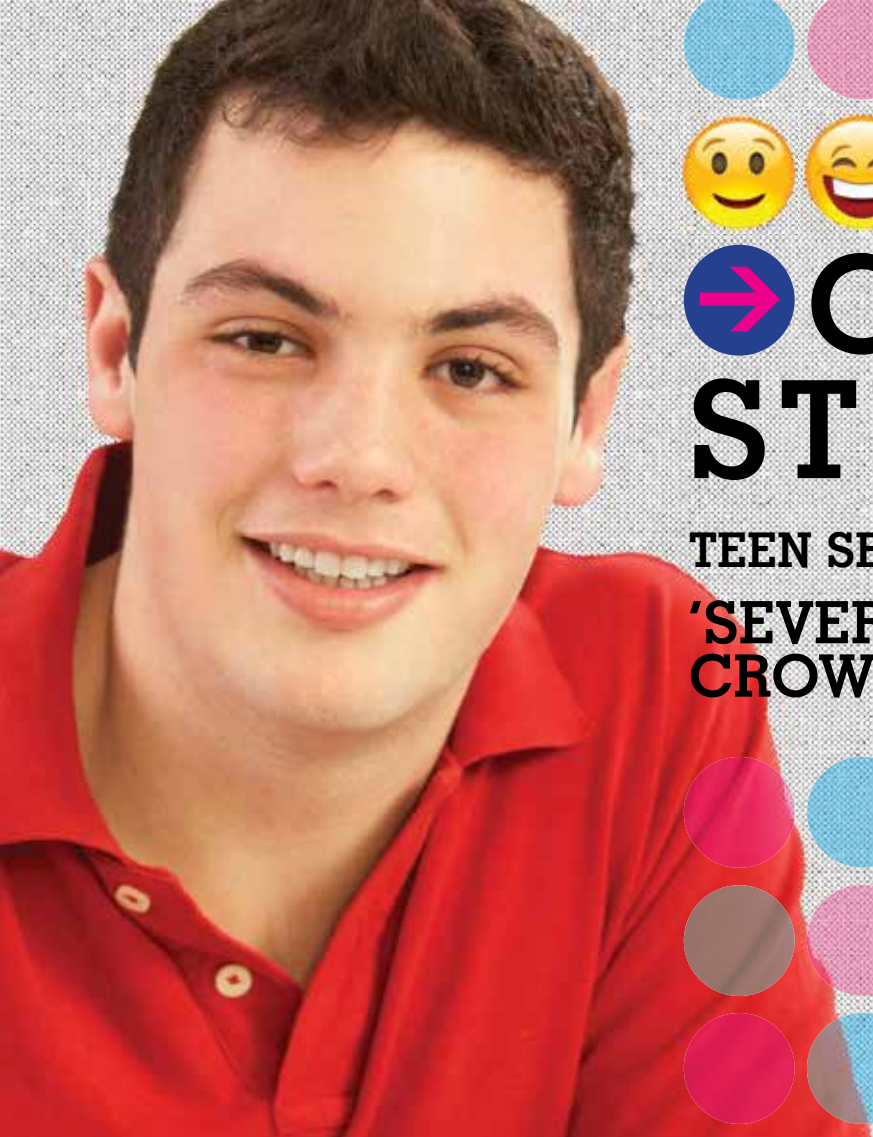
- Upper: Removable transparent retainer
- Lower: Removable transparent retainer

BEFORE TREATMENT



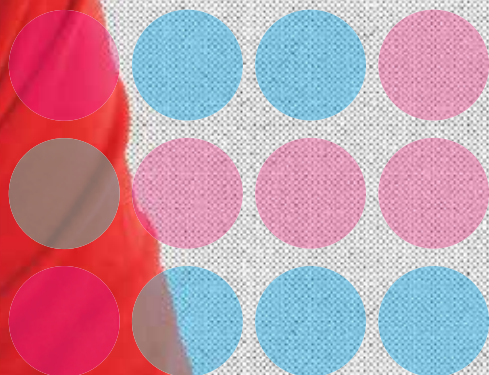
AFTER TREATMENT





→ CASE STUDY

TEEN SEVERE CASE
'SEVERE CROWDING'



BEFORE TREATMENT

AFTER TREATMENT



TOTAL TREATMENT TIME:
26 MONTHS

NUMBER OF ALIGNERS:
48

BEFORE TREATMENT



AFTER TREATMENT



This male patient was 13 years 8 months when he commenced his Invisalign Teen treatment

PROBLEMS:

- "I hate my smile"
- "My teeth are very uneven and crowded"
- "My centrelines do not match"
- Severely crowded upper and lower teeth
- Crossbite
- Centre line discrepancy
- Incorrect bite
- Open bite tendency

RESULTS ACHIEVED:

- Alignment of upper and lower teeth
- Correction of crossbite
- Correction of centre lines
- Resolution of open bite

RETENTION:

- Upper: Bonded (fixed) retainer and removable transparent retainer
- Lower: Bonded (fixed) retainer and removable transparent retainer

BEFORE TREATMENT



AFTER TREATMENT



Invisalign i7 includes the ClinCheck treatment plan and SmartForce features as the rest of the Invisalign range, but is specifically designed to achieve minor tooth movements.

It is the aesthetic and convenient treatment for patients with minor crowding, spacing or orthodontic relapse.

- ✓ Invisalign i7 provides up to seven stages of aligners per arch.
- ✓ Keeps it simple for patients by treating only from first premolar to first premolar without the desire for major correction.
- ✓ Invisalign i7 uses the same clear aligners as all Invisalign treatment options, making it virtually invisible.
- ✓ Includes a ClinCheck treatment plan and SmartForce features, such as Optimised Attachments and Power Ridge features, designed for more predictable results.
- ✓ Results in as few as three months.
- ✓ Option for the clinician to submit a partial treatment to improve your smile, even if you cannot achieve ideal alignment with seven aligners.
- ✓ Option to switch to Invisalign Lite, Full or Teen prior to ClinCheck acceptance.
- ✓ Additional aligners might be necessary to achieve the final position defined in the original approved ClinCheck treatment plan.*

*Automated Refinement gives you the option to order additional aligners to move teeth closer to the originally approved final position. Additional aligners are automatically produced and shipped without the need for the approval of a ClinCheck treatment plan.



ACHIEVE
MINOR
TOOTH
MOVEMENTS
FOR PATIENTS
WITH MINOR
CROWDING
SPACING OR
ORTHODONTIC
RELAPSE

TREATMENT SUMMARY USING INVISALIGN TEEN BY DR PETER ILORI



PROBLEMS:

- Space in between upper teeth
- Mild crowding lower teeth

RESULTS ACHIEVED:

- Closure of spaces
- Alignment of upper and lower teeth

TOTAL TREATMENT TIME:

- 6 1/2 months

NUMBER OF ALIGNERS:

- Upper: 7 initial aligners
+ 7 refinement aligners = 14
- Lower: 7 initial aligners
+ 7 refinement aligners = 14

COMMENTS:

- Age at start: 16 years
- Age at end: 16 years 7 months
- Patient was treated using Invisalign I-7
- Refinement aligners were used

RETENTION:

- Upper: Vivera removable transparent retainer
- Lower: Vivera removable transparent retainer



BOOK AN APPOINTMENT AT OCTAGON ORTHODONTICS TODAY | TELEPHONE: 0845 601 0700

INVISALIGN FOR ADULTS



VISIT OCTAGON ORTHODONTICS: WWW.OCTAGONORTHODONTICS.COM



INVISALIGN FOR ADULTS



“*Invisalign aligners
are transparent
and invisible*”



98

BOOK AN APPOINTMENT AT OCTAGON ORTHODONTICS TODAY | TELEPHONE: 0845 601 0700



Invisalign is a removable brace system that uses a series of custom-moulded aligners to move your teeth. The great thing about Invisalign is that the aligners are transparent and invisible (no metal bands or wires), therefore nobody is going to realise that you are undergoing treatment – unless you tell them!

Invisalign can be used to treat the vast majority of common problems for adults and children. Using advanced 3-D computer imaging technology to project tooth movement, Invisalign allows you to visualise your treatment from start to finish through animated visuals, which can be viewed online.

Whether your smile needs minor improvements or more extensive adjustments, Invisalign can certainly help. It is successful in treating crowded or widely spaced teeth. It can also relieve more complex issues, including overbites, overjets, under bites and even cross bites. In fact, your orthodontist can use Invisalign clear aligners in all or part of many treatment plans.

Every two weeks you will have to replace the old aligner for a new one which will continue to guide your teeth in the necessary direction. Each new aligner may give an initial feeling of minor discomfort for a couple of days - this sensation is typically described as a feeling of pressure and is a sign that Invisalign is working.

The aligners gradually reposition your teeth over the period of treatment – the length of which is determined by the complexity of the case and what you and your orthodontist have agreed to achieve. You will need to go in periodically for a few orthodontic appointments in order to check your treatment progress and make sure your teeth are responding to the aligners.

Invisalign aligners must be worn all day, except when brushing, flossing or eating. Fortunately, because you can remove your aligners to eat and drink you can eat all your favourite foods. After each meal, however, you must make sure that you brush your teeth prior to re-inserting your aligners to maintain good hygiene.

Irrespective of the simplicity of your case, your treatment is best handled by an orthodontic specialist, who is trained to diagnose and solve any problems which may arise during your treatment.

COME HELL OR HIGH WATER!

Two themes emerge from accounts of Invisalign treatment, as told to reporter Caroline Holland

Determination and disbelief are common features in any account of orthodontic treatment with Invisalign. This is a near invisible system for moving teeth which is enabling growing numbers of adults to improve their smiles. Central to Invisalign is computer software which uses x-ray images of the patient's teeth to design a series of transparent trays. Each tray is worn for several weeks and helps gradually move the teeth to the desired position.

Invisalign treatment provokes some predictable responses. Firstly, determination! This is an essential response because patients need to commit to the treatment. Without the patient making their mind up to engage and move through the process, the treatment might be delayed. So, Invisalign patients share a gritty determination.

In its wake follows disbelief. This is on the part of family and friends. It goes something like this: "No, not really! You are having orthodontics? When did you start? But I couldn't tell!" The surprise and interest encountered by Invisalign patients is almost as rewarding as the sight of their teeth gradually realigning.

One orthodontic patient described how they summoned the determination they needed to finish on the agreed date.

Heather Sharland had a job which involved doing presentations in front of large audiences and she is also a magistrate. She was very clear she did not want braces. "A friend in Switzerland said she had had Invisalign. When she described what it involved, it sounded excellent. I thought, let's have a go."

She was in her late 50s when she embarked on treatment. She takes up the story: "My teeth had always irritated me. The top front teeth were crossed over and my bottom teeth looked as if they had just been thrown into my mouth randomly. I had been to an orthodontist as a child and they had taken teeth out and I was told they would sort themselves out, but they didn't."

"My family were not supportive. They said: 'those teeth are never going to be straight, I don't know what you are doing.' I suppose I did have some doubts

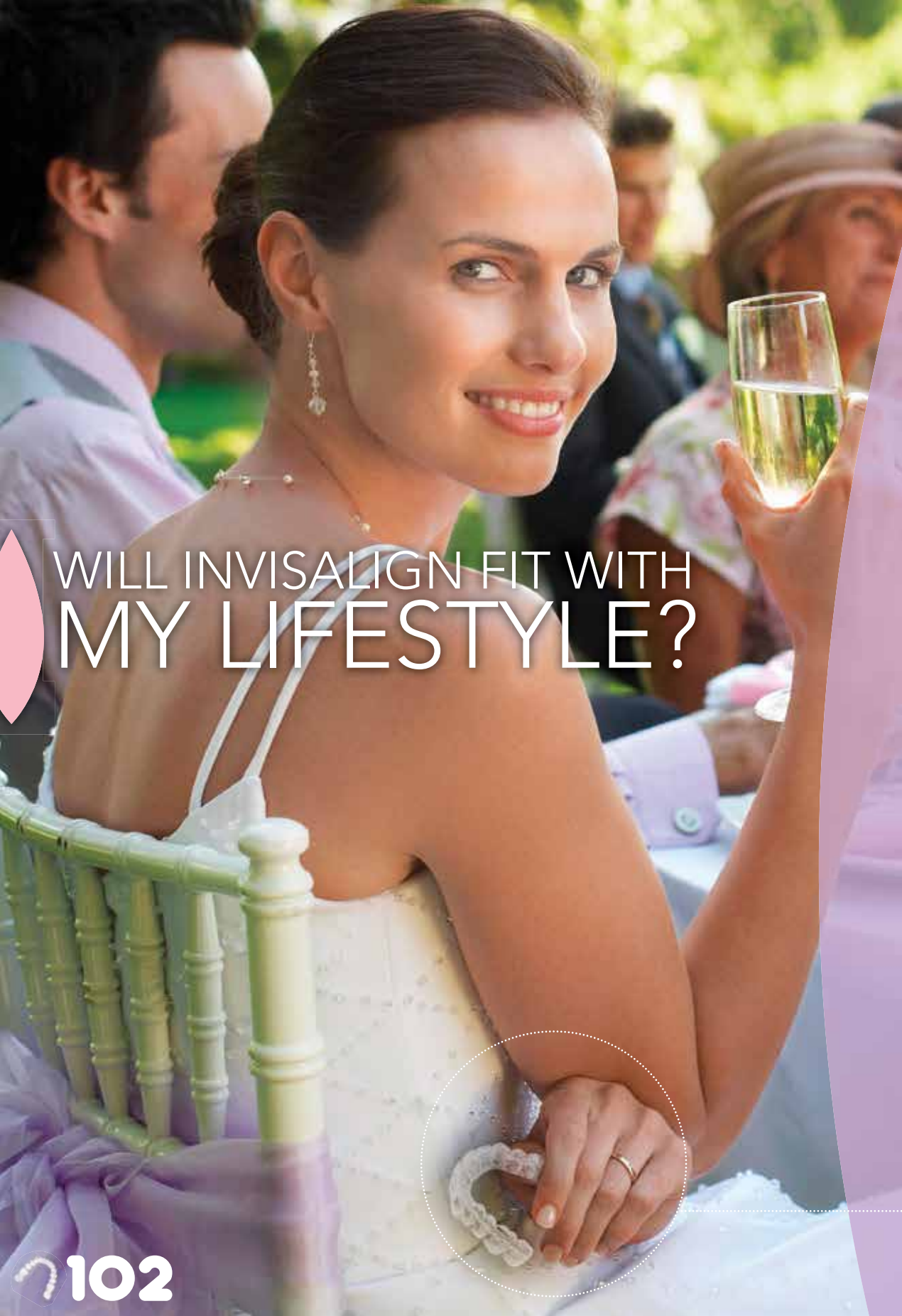


*“Come hell or high
water, I am going to
improve my teeth”*

myself and wondered where are all those teeth were going to go and how they were going to fit together.”

But her orthodontist gave her confidence. “Once I had made the decision I was determined. I told myself: ‘Come hell or high water, I am going to improve my teeth.’ I think you have to be determined, you cannot be watery about it. Because I was very determined, I stuck rigidly to wearing the Invisalign trays 22 hours a day.”

She added:
“I have a perfect set of straight teeth. I am absolutely delighted, I really can’t believe it. People are really quite interested that I have had orthodontics, and say they had not noticed. My mother, who is 85, is really surprised.”

A woman with dark hair pulled back, wearing a white lace-trimmed dress and a delicate necklace, is seated at an outdoor event. She is smiling and looking towards the camera while holding a flute glass of champagne. In the background, other guests are visible, including a man in a light purple shirt and a woman in a floral top and hat. The scene is set outdoors with greenery in the background.

WILL INVISALIGN FIT WITH
MY LIFESTYLE?

With Invisalign treatment you can simply carry on with your daily routine without any fuss or embarrassment. The aligners are comfortable to wear as there are no metal wires or brackets to cause any mouth irritations. You can also easily remove the aligners for eating, drinking, brushing and flossing as normal.

Invisalign allows you to straighten your teeth without having to feel self-conscious as they are transparent and difficult to detect when worn, you'd hardly even notice you are having treatment! And because they are removable, if you do have an important meeting or event that is causing you concern, you can always remove your aligners for a short period of time.

REASONS TO SMILE WITH INVISALIGN

Unlike fixed braces, you can remove your aligners to eat, drink, brush and floss – all hassle free, as if you weren't even wearing braces!

Chances are no one will even notice you're having treatment, seeing as Invisalign aligners are virtually invisible. That is of course until your new smile is revealed!

You can help to keep your teeth and gums healthy as you can remove your aligners regularly for brushing and flossing.

If you have a special night out or occasion such as a wedding, you can simply remove your aligners and enjoy yourself being brace free for a short period of time.

You can continue with your routine day to day activities while still straightening your teeth. No need to change a thing!

Since Invisalign aligners are virtually invisible, you don't have to hide your smile while going through treatment. Be yourself.

It's easy to make your smile picture perfect for that special occasion with Invisalign.

Appointments are made to work with your schedule and are mainly short visits for a quick progress check, once every 8-12 weeks.

“*For special occasions, you can simply remove your aligners and enjoy yourself*”





I DO NOT WANT BRACES BUT I DO WANT STRAIGHT TEETH!

If you work in the world of film, as I do, your days are spent surrounded by actors who spend inordinate amounts of time enhancing every aspect of their body. They stretch, flex, groom, paint, brush, shave, you name it, if it makes them look better, they do it. It's an industry given.

My job is doing the make-up and hair to prepare actors for their roles, which means I am part of this on-going beautification, although sometimes I have to make the young look older and the good-looking look dastardly or even make women look like men and vice versa. I am well versed in the tricks of the trade.

Every day, I am surrounded by mirrors. They are essential to what I do. The drawback is, even though I am concentrating on my actors, there is no getting away from my own reflection. Since I was a child, I had not been happy with my teeth. As my 50s

progressed, I became aware of my teeth moving, especially my lower teeth becoming more crowded.

Eventually, I had had enough. I went to my dentist to get help. I confess I thought that she could take one lower tooth out and the rest would shift into place. In hindsight, I can't believe I thought this might work! She sent me to see an orthodontic specialist.

I was given choices: metal braces or invisible trays. There was no way I would walk around with metal braces and coloured bands. He told me about Invisalign, a system of trays or aligners which look like mouthguards and which you change every few weeks as your teeth gradually shift into new positions. That seemed brilliant. I said, "let's go for it."

My intention had been to get treatment for the lower teeth only. But after being advised that upper and lower teeth must be

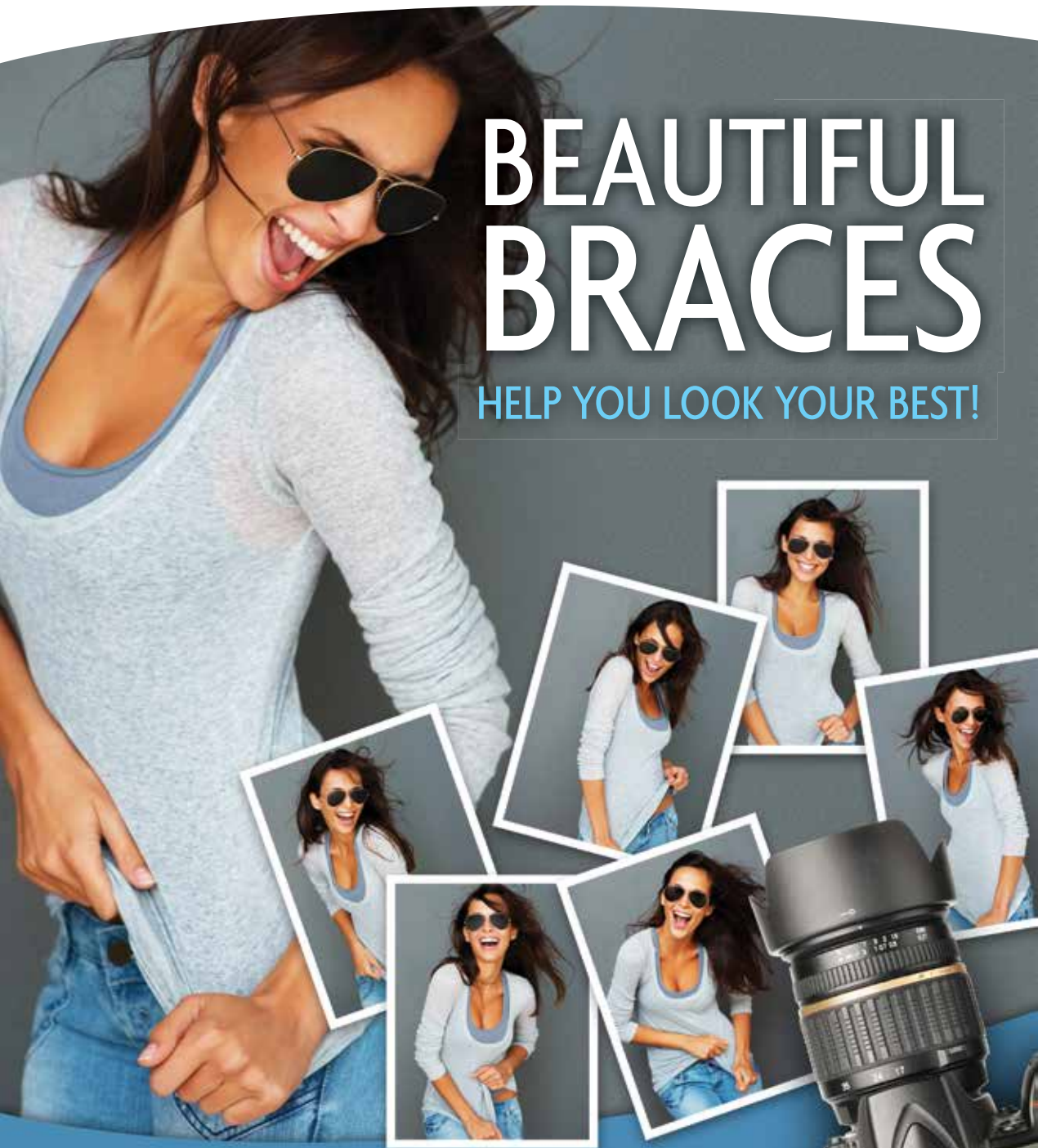
moved together to achieve a perfect bite, I wore upper and lower trays and at the end of treatment, my dentist replaced a crown on my front tooth with a veneer, which looks completely natural.

What's interesting is that people know I look different, but they don't know why. I can see it in their eyes. Originally, I only told my family and one close colleague at work. After a few months, I told a colleague. When I showed her the trays I had just taken out of my mouth, she was flabbergasted. She had no idea.

I am very happy with what I have had done. My orthodontist helped me believe I could have the teeth I wanted and to feel happy about looking in all those mirrors which surround me day in and day out. I would definitely recommend Invisalign.

BEAUTIFUL BRACES

HELP YOU LOOK YOUR BEST!

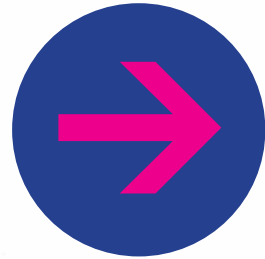


Invisalign is a removable brace system that uses a series of custom-moulded aligners to move your teeth. The great thing about Invisalign is that the aligners are transparent and invisible (no metal bands or wires), therefore nobody is going to realise that you are undergoing treatment – **Unless you tell them!**





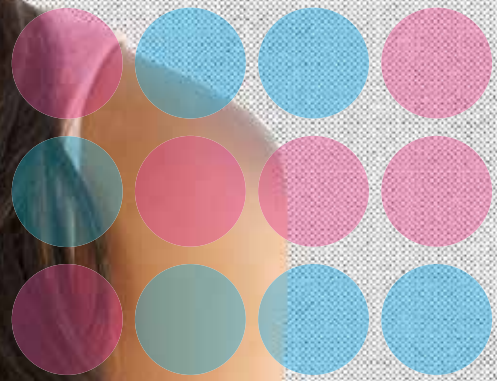
CASE STUDIES





→ CASE STUDY

ADULT SEVERE CASE
'OPEN BITE,
GAPS & BAD BITE'



BEFORE TREATMENT

AFTER TREATMENT



TOTAL TREATMENT TIME:
24 MONTHS

NUMBER OF ALIGNERS:
46

BEFORE TREATMENT



AFTER TREATMENT



This female patient was 39 years when she commenced Invisalign treatment

PROBLEMS:

- "There are large gaps between my teeth"
- "There is a huge separation between my upper and lower teeth"
- "I cannot bite into a sandwich or eat certain foods comfortably"
- "10 years previously I had fixed braces but the teeth have gone back"
- "Various comments have been made about my large tongue and I have been offered surgery"
- "I am unwilling to consider another course of fixed braces"
- 10mm open bite between the front teeth
- Underbite with teeth sticking forward
- Tongue thrusting habit
- Generalised spacing
- Centreline problems
- Old discoloured crowns and gum recession
- Uneven smile

ADDITIONAL INFORMATION:

- Patient was treated using the Invisalign orthodontic braces to reduce the open bite, close all the spaces, correct the centrelines and improve the bite
- After orthodontic treatment her dentist would do the following:
- Gum reshaping to balance the smile and restore symmetry
- Replacement of crowns & veneers to re-shape the front teeth

BEFORE TREATMENT



AFTER TREATMENT



RESULTS ACHIEVED:

- Closed all gaps
- Reduction of the open bite
- Correction of the underbite
- Correction of the centrelines

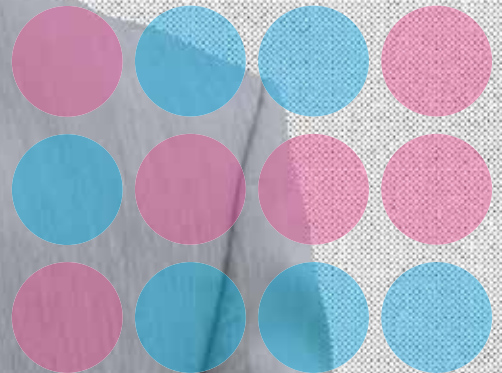
RETENTION:

- Upper: Fixed retainer and removable Hawley retainer
- Lower: Fixed retainer and removable Hawley retainer



→ CASE STUDY

ADULT SEVERE CASE
'UNDERBITE
CORRECTION'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
14 MONTHS

NUMBER OF ALIGNERS:
30

A



B



BEFORE TREATMENT



AFTER TREATMENT



This male patient was 32 years when he commenced Invisalign treatment

PROBLEMS:

- "My main complaints are crowding, incorrect bite and stained teeth!"
- "I am worried about my lower jaw sticking out but decided against any fixed appliances or jaw surgery!"
- Underbite
- Lower jaw sticking out [bad profile]
- Moderately crowded upper arch & severely crowded lower arch
- Centrelines mismatched
- Stained teeth [tea or coffee]

A

B

ADDITIONAL INFORMATION:

- Patient was treated using the Invisalign full product to reduce the underbite, close all the spaces, correct the centrelines and improve the bite
- Elastic bands were worn on a full time basis to help correct the underbite
- The patient's dentist was asked to remove two teeth from the lower jaw to help to correct the crowding and underbite

RESULTS ACHIEVED:

- Correction of the underbite
- Improvement of his smile and profile

RETENTION:

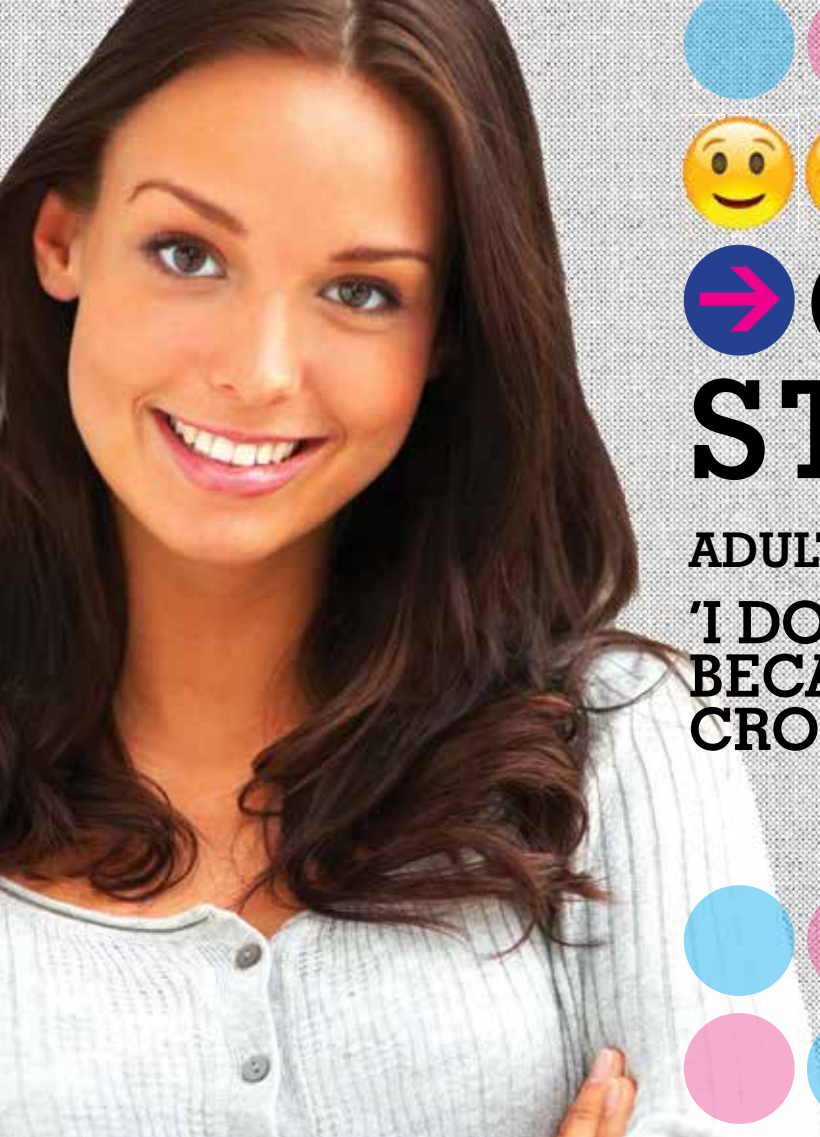
- Upper: Fixed retainer and removable Hawley retainer
- Lower: Fixed retainer and removable Hawley retainer

BEFORE TREATMENT



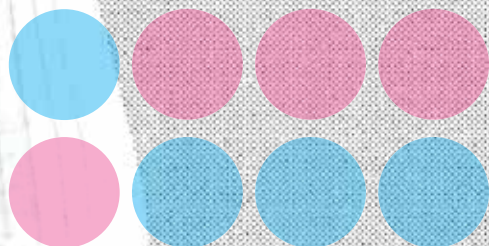
AFTER TREATMENT





→ CASE STUDY

ADULT SEVERE CASE
'I DON'T SMILE
BECAUSE OF MY
CROOKED TEETH'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
17 MONTHS

NUMBER OF ALIGNERS:
40

A



B



BEFORE TREATMENT



AFTER TREATMENT



This female patient was 25 years 11months when she commenced Invisalign treatment

PROBLEMS:

- "My teeth stick out of my mouth when I smile"
- "The bottom teeth are very crowded"
- "I use my hand to cover my mouth when I smile"
- "I've always wanted nice teeth and a nice smile!"
- Increased overjet (teeth sticking out by) 11mm
- Severe crowding in the bottom teeth

ADDITIONAL INFORMATION:

- The patient's dentist removed two upper first premolars (UR4 & UL4) to create space for the Invisalign braces to reduce the goofiness of the upper front teeth.
- The patient had to wear some elastic bands during the treatment to help move the teeth back

A

B

RESULTS ACHIEVED:

- The upper front teeth were pulled back into the spaces created by having the teeth removed, to reduce the goofiness

RETENTION:

- Upper: Bonded retainer & blowdown retainer
- Lower: Bonded retainer & blowdown retainer

BEFORE TREATMENT



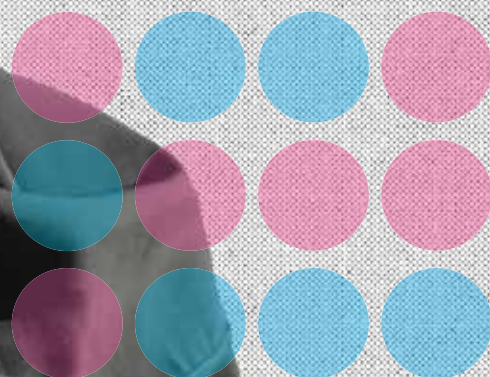
AFTER TREATMENT





→ CASE STUDY

ADULT SEVERE CASE
'I DON'T LIKE MY PROFILE'



BEFORE TREATMENT

AFTER TREATMENT



TOTAL TREATMENT TIME:
20 MONTHS

NUMBER OF ALIGNERS:
36

BEFORE TREATMENT



AFTER TREATMENT



BEFORE TREATMENT



AFTER TREATMENT



This female patient was 21 years 19 months when she commenced Invisalign treatment

PROBLEMS:

- "I don't like my profile and my teeth stick forward too much"
- "My lower lip gets stuck behind my top teeth"
- Increased overjet (teeth sticking out by) 11 mm
- Incorrect bite
- Top and bottom front teeth lean forwards

ADDITIONAL INFORMATION:

- The patient's dentist removed two upper first premolars (UR4 & UL4) to create space for the Invisalign braces to reduce the goofiness of the upper front teeth.
- The patient had to wear some elastic bands during the treatment to help move the teeth back

RETENTION:

- Upper: Bonded retainer & blowdown retainer
- Lower: Bonded retainer & blowdown retainer

BEFORE TREATMENT



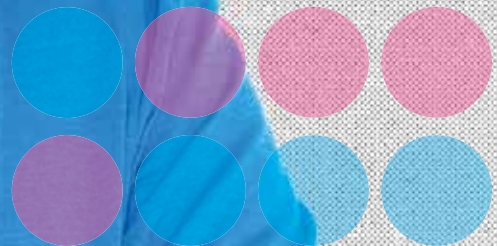
AFTER TREATMENT





→ CASE STUDY

ADULT SEVERE CASE
'OPEN BITE AND
GAPPY TEETH
THAT STICK OUT'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
29 MONTHS

NUMBER OF ALIGNERS:
30



PROBLEMS:

- "I have very gappy teeth"
- "People laugh at me when I smile"
- "I can't bite into sandwiches properly"
- Class II skeletal malocclusion
- Increased overjet (teeth sticking out by) 9 mm
- Anterior open bite

ADDITIONAL INFORMATION:

- Patient was treated using the Invisalign full product to close the anterior open bite, correct the overjet, centrallines and improve the occlusion
- Moving the front teeth into a better position to close the openbite
- The patient had to wear some elastic bands during the treatment to help move the teeth back

RETENTION:

- Upper: Vivera retainer
- Lower: Vivera retainer

BEFORE TREATMENT



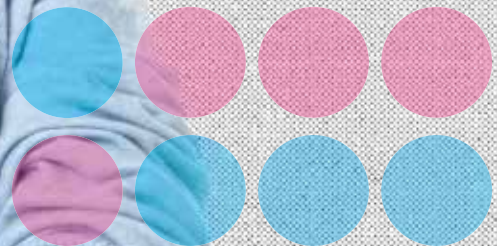
AFTER TREATMENT





→ CASE STUDY

ADULT SEVERE CASE
'MY TEETH ARE
WONKY AND
STICKING OUT'



BEFORE TREATMENT



AFTER TREATMENT



TOTAL TREATMENT TIME:
24 MONTHS

NUMBER OF ALIGNERS:
30

A



B



BEFORE TREATMENT



AFTER TREATMENT



This female patient was 34 years 5 months when she commenced Invisalign treatment

PROBLEMS:

- "My teeth look very wonky"
- "I feel self-conscious of my sticking out teeth"
- Increased overjet (teeth sticking out by) 13 mm
- Incorrect bite
- Top and bottom front teeth lean forwards

ADDITIONAL INFORMATION:

- The patient's dentist removed two upper first premolars (UR4 & UL4) to create space for the Invisalign braces to reduce the goofiness of the upper front teeth.
- The patient had to wear some elastic bands during the treatment to help move the teeth back

A

B

RETENTION:

- Upper: Blowdown retainer
- Lower: Blowdown retainer

BEFORE TREATMENT



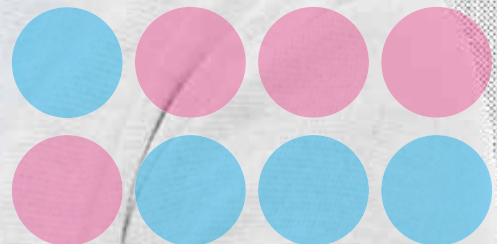
AFTER TREATMENT





→ CASE STUDY

**ADULT SEVERE CASE
'SEVERELY
CROWDED LOWER
TEETH AND
INCORRECT BITE'**



BEFORE TREATMENT



AFTER TREATMENT



**TOTAL TREATMENT TIME:
23 MONTHS**

**NUMBER OF ALIGNERS:
42**

BEFORE TREATMENT



AFTER TREATMENT



This male patient was 52 years 4 months when he commenced Invisalign treatment

PROBLEMS:

- Severely crowded lower teeth
- Incorrect bite
- Drifting lower teeth (Periodontal problems)
- Gum recession

RESULTS ACHIEVED:

- Alignment of upper and lower teeth
- Improvement of bite
- Stabilisation of drifting teeth

RETENTION:

- Upper: Bonded (fixed) retainer and removable transparent retainer
- Lower: Bonded (fixed) retainer and removable transparent retainer

BEFORE TREATMENT



AFTER TREATMENT



RETAINERS

KEEP ON SMILING



VIVERA REMOVABLE RETAINERS

Like Invisalign, Vivera retainers are custom made especially for each individual patient. You are provided with three sets that are made from clear thermoplastic using 3D digital imaging and the most advanced fabrication technology. The combination of all of this technology enables the Vivera retainers to not only be strong and almost invisible, but also to have a precise fit.

INSTRUCTIONS FOR VIVERA REMOVABLE RETAINERS

- Wear these retainers EVERY NIGHT into the future if you want to keep your teeth straight. Your orthodontist might ask you to do additional hours if necessary.
- Do not drink hot drinks whilst wearing the retainer as this will distort it, as will any contact with hot liquid.
- Remove when brushing teeth, eating or playing sports.
- When the retainers are out of your mouth, place them in a brace/retainer case for safety.
- Brush your teeth after eating before replacing the retainer.
- Clean them once a day using a toothbrush, water and a clear liquid soap only.
- Do not use toothpaste to clean them, because it can make your retainers more brittle and prone to breakage.
- Bring your retainers for the periodic check-up appointments.
- Vivera retainers come in sets of three, so if you break or lose a set, you will already have a replacement to hand.
- There is an additional cost for any additional replacement sets.



BONDED FIXED RETAINERS

These consist of a wire bonded to the tongue-side of your teeth. They are designed to hold your teeth in a particular position for a long period of time, and the longer they remain in place the greater the guarantee that your teeth will remain straight.

INSTRUCTIONS FOR BONDED (FIXED) RETAINERS

- Bonded retainers are designed to hold the teeth in the exact position over a long period of time. The longer they remain in place the greater the guarantee that your teeth will remain straight.
- You must note and memorise the position of the thin wire behind the teeth and the special cement used to attach this wire to each tooth.
- Check the wires with a small mouth mirror every morning.
- Brush the back of your teeth and over the wires thoroughly 2-3 times a day, especially after eating sweet foods.
- Sticky sweets and hard foods can break the wire or its attachments, so be careful!
- If the wire breaks or an attachment becomes loose, telephone this clinic for an immediate appointment to have it checked. Ensure you wear your removable retainers to keep the teeth in position until your appointment.
- When wearing a Bonded retainer you need only wear your removable retainers at night.
- There is an additional cost for replacement or repair of this retainer.

RETAINERS ARE DESIGNED TO HOLD YOUR TEETH IN THE CORRECTED POSITIONS AFTER THE BRACES HAVE BEEN REMOVED.

It is your responsibility to keep your teeth in the corrected positions. If the retainers are not worn your teeth will move back to an incorrect position. Retainers are to be worn on a long term basis because changes can occur throughout your life time. If retainers are broken or lost you will have to pay for new ones. After you are discharged from the orthodontic clinic your dentist may continue to monitor your retainer wear when you go for check-up appointments.



HAWLEY REMOVABLE RETAINERS

This is the most common retainer and is made of a metal wire that surrounds the teeth, keeping them in place. The wire is rooted to a piece of specially moulded acrylic, which resides in the palate or floor of the mouth.

INSTRUCTIONS FOR HAWLEY REMOVABLE RETAINERS

- Wear your retainers day and night for 6 months. Then wear them every night into the future if you want to keep your teeth straight.
- Remove when brushing teeth, eating or playing sports.
- When the retainers are out of your mouth, place them in a brace/retainer case for safety.
- Clean them 3-4 times a day using a toothbrush and toothpaste.
- Bring your retainers for the periodic check-up appointments.
- There is an additional cost for replacement or repair of this retainer.



ESSIX REMOVABLE RETAINERS

This is a clear or transparent retainer that is moulded to fit over the teeth.

INSTRUCTIONS FOR ESSIX REMOVABLE RETAINERS

- Wear these retainers during the day whilst wearing the Hawley retainers at night. This will help the retainer to last longer.
- Do not drink hot drinks whilst wearing the retainer as this will distort it, as will any contact with hot liquid.
- Remove when brushing teeth, eating or playing sports.
- When the retainers are out of your mouth, place them in a brace/retainer case for safety.
- Clean them 3-4 times a day by brushing with a toothbrush and clear liquid soap under cold water only. Do not use toothpaste.
- Bring your retainers for the periodic check-up appointments.
- There is an additional cost for replacement or repair of this retainer.



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- ▶ **Keeps dental appliances fresh**

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FREQUENTLY ASKED QUESTIONS ABOUT INVISALIGN

WHAT IS INVISALIGN?

Invisalign treatment is a virtually invisible way to straighten your teeth. Using advanced 3D computer-imaging technology, Invisalign shows you your complete treatment plan based on your Invisalign Provider's prescription, from the initial position of your teeth towards the final desired position. Then a series of clear aligners are custom-made for your teeth to move them little by little.

Each aligner is worn for about one to two weeks before being replaced by the next in the series, gradually moving towards the projected final position. The treatment time depends on your specific needs and will be decided by your Invisalign Provider.

HOW DOES INVISALIGN WORK?

Invisalign aligners move teeth through a series of carefully controlled movements. Unlike traditional braces, Invisalign treatment not only controls the amount of movement that each aligner delivers, but also the timing of the movement. So, at each stage, only certain teeth can move, following the Invisalign treatment plan for that particular stage. This results in an efficient force delivery system. The final desired position that was originally determined by the orthodontic treatment plan.

HOW MUCH DOES INVISALIGN COST?

As with other types of orthodontic treatment, the cost of Invisalign treatment depends on the complexity of your teeth straightening issue and your course of treatment. As a general rule the cost for adults and children is comparable to traditional fixed braces, however, only an Invisalign Provider can accurately determine the cost.



WHAT ARE THE BENEFITS OF INVISALIGN?

Invisalign aligners are nearly invisible and typically hardly anyone notices that you're wearing them.

Because Invisalign aligners are removable, you can eat and drink what you want during treatment by simply removing the aligners. You can also remove the aligners to brush and floss as you normally would to maintain your normal oral hygiene routine.

Unlike traditional fixed braces, there are no metal brackets or wires. This means that in most cases less time is spent in your Invisalign Provider's practice for adjustments.

And finally, the Invisalign System allows you to view your virtual results and treatment plan before you begin treatment, so you can see how your teeth are expected to look when your treatment is complete.

HOW MANY PATIENTS ARE BEING TREATED WITH INVISALIGN?

Millions of patients worldwide have been treated with Invisalign. (Data on file at Align Technology.)

HOW DO I GET STARTED WITH INVISALIGN?

Make an appointment with an Invisalign Provider for an initial consultation.

HOW LONG DOES THE INVISALIGN TREATMENT TAKE?

The time taken depends on the complexity of the treatment and is generally comparable to that of traditional braces. During your consultation, your Invisalign Provider can give you more detailed information.

FREQUENTLY ASKED QUESTIONS ABOUT INVISALIGN

WHERE IS INVISALIGN TREATMENT AVAILABLE?

Invisalign treatment is available directly in over 45 countries, including most of Europe, the US, Canada, China, Japan and Asia Pacific, Middle East, Latin American and with distributors in smaller emerging growth countries within Europe, Middle East, Africa and Latin America.

HOW OLD IS THE TECHNOLOGY?

In 1945, Dr H D Kiesling envisioned that one day modern technology would enable the use of a series of tooth positioners to produce the kinds of movements required for comprehensive orthodontic treatment. Today Align Technology uses advanced computer technology to produce Invisalign®, a series of customised clear aligners. Each aligner is worn sequentially by the patient to produce gradual tooth movements in both upper and lower arches.

HOW OFTEN DO I NEED TO SEE MY INVISALIGN PROVIDER ONCE I HAVE STARTED TREATMENT?

Patients typically visit their Invisalign Provider every 6 to 8 weeks to ensure the treatment is progressing as planned, and to receive their next few sets of Invisalign aligners, but your Invisalign Provider will decide based on your treatment.

CAN I GO TO ANY DENTAL PRACTITIONER FOR INVISALIGN TREATMENT?

While the Invisalign System can be used with virtually any treatment philosophy, special training is needed. All orthodontists and dentists interested in treating patients with the Invisalign System need to attend training. More than 90,000 dentists and orthodontists worldwide are already trained to treat patients using the Invisalign System.

IS THE INVISALIGN TREATMENT PAINFUL?

Some people may experience temporary, minor discomfort for a few days when they insert a new aligner at the beginning of each new stage of treatment. This is normal and is typically described as a feeling of pressure. It's a sign that the aligners are working and it usually goes away in a couple of days.

IS THIS A NEW WAY TO STRAIGHTEN TEETH?

Dentists or orthodontists have successfully used removable appliances for years. But the Invisalign System uses Align Technology's 3D computer technology and mass-customisation to treat a wide range of patients who want straighter teeth. The ClinCheck® software allows patients to see their treatment plan from beginning to end before the start of treatment.

WHAT ARE ALIGNERS MADE OF AND WHAT DO THEY LOOK LIKE?

The virtually invisible aligners are made of strong medical grade thermoplastic material, uniquely developed for the Invisalign System. The aligners are custom-made for you and fit snugly over your teeth.

ARE BRIDGES A FACTOR IN INVISALIGN TREATMENT?

Because bridges firmly link two or more teeth together, they offer significant resistance to tooth movement. Your Invisalign Provider will be able to work out whether bridges will be a factor in your treatment.

ARE CROWNS AN ISSUE IN INVISALIGN TREATMENT?

Crowns (tooth caps) are usually not an issue in Invisalign treatment. However, sometimes in Invisalign treatment small tooth-coloured composites called 'attachments' are bonded onto teeth to help achieve certain movements, and these are more difficult to bond on crowns than on teeth. In these cases, the location of the crowns needs to be carefully evaluated. An Invisalign Provider can provide further advice.

ONCE INVISALIGN TREATMENT IS COMPLETE IS A RETAINER NECESSARY?

Wearing a retainer after any orthodontic treatment is an important step, because it keeps teeth stable in their new positions. If you want your teeth to remain in their ideal position, it's best to wear a retainer as directed by an Invisalign Provider. In many cases your last aligner will be your temporary retainer, until your retention option is determined. Your Invisalign Provider can advise you on longer term retention options.

DOES THE PROCEDURE WORK ON OVERBITES?

An Invisalign Provider can use Invisalign to treat overbites in the vast majority of adults and adolescents. Consult an Invisalign Provider to find out whether Invisalign is suitable for you.

ARE THERE CERTAIN DENTAL CONDITIONS THAT AUTOMATICALLY EXCLUDE SOMEONE FROM BEING AN ELIGIBLE PATIENT?

No – only your Invisalign Provider can determine if you are a good candidate for Invisalign treatment.

WILL TMJ AFFECT INVISALIGN TREATMENT?

TMJ refers to the temporomandibular or jaw joint. People with a TMJ condition can have a number of problems, some of which can be aggravated by appliances and treatments like Invisalign, and some of which can improve or remain the same. To find out if your treatment will have adverse effect on your TMJ problem, consult an Invisalign Provider.

SINCE HAVING MY BRACES REMOVED, MY TEETH HAVE SHIFTED. CAN INVISALIGN TREATMENT CORRECT THIS?

A number of Invisalign patients have undergone a treatment involving braces at some point in their past, often during their youth. Invisalign can usually correct the shifting that occurs after braces – often referred to as a relapse.

CAN INVISALIGN TREATMENT CLOSE GAPS?

Yes. Spaces between teeth are generally easy to close with Invisalign. Consult an Invisalign Provider to find out whether Invisalign is suitable for you.

WHAT IS THE MINIMUM AGE OF A PATIENT THAT A DOCTOR CAN TREAT WITH THE INVISALIGN SYSTEM?

With experience, an Invisalign Provider can use the Invisalign System to straighten teeth for a majority of adults and adolescents. For teenagers, talk to your Invisalign Provider to see if Invisalign Teen may be the right treatment option for your child.

ARE THERE RESTRICTIONS ON WHAT I CAN EAT WHILE IN TREATMENT?

No. Unlike traditional wires and brackets, with the Invisalign System you can eat whatever you like while in treatment because you remove your aligners to eat and drink. This also makes it simple to brush and floss your teeth after each meal to maintain good oral hygiene, before re-inserting your aligners.

HOW OLD IS THE COMPANY?

Align Technology, Inc., the company that manufactures Invisalign, was founded in 1997.



FREQUENTLY ASKED QUESTIONS ABOUT INVISALIGN

I AM CURRENTLY WEARING BRACES. CAN I MAKE THE SWITCH TO INVISALIGN TREATMENT?

A significant number of patients are being treated with a combination of braces and the Invisalign System. Consult an Invisalign Provider to work out the best treatment for you.

CAN I CHEW GUM WHILE WEARING ALIGNERS?

Chewing gum while wearing aligners is not advised as gum can stick to them. It is recommended that aligners be removed for all meals and snacks.

HOW OFTEN SHOULD I WEAR THE ALIGNERS?

You should wear your aligners all the time during treatment, except when eating, brushing or flossing teeth. Recommended wear 22 hours a day.

WHAT'S THE BEST WAY TO CLEAN MY ALIGNERS?

The best way to clean your aligners is by brushing and rinsing them in cold warm water and using a clear liquid soap and soft toothbrush. It's important that you brush your teeth using your own choice of fluoride toothpaste after each meal before re-inserting your aligners to maintain good oral hygiene.

Warning: In rare instances, some patients may be allergic to the plastic aligner material. In such cases, discontinue use and consult a health care professional immediately. Align technology must also be notified. Orthodontic appliances or parts thereof, may be accidentally swallowed or aspirated and may be harmful.

WILL THE ALIGNERS AFFECT SPEECH?

The vast majority of patients report no effect on speech. However, as with traditional orthodontic appliances, there is an initial adjustment period associated with having something new in the mouth.

CAN I SMOKE WHILE WEARING THE ALIGNERS?

Smoking is discouraged while wearing aligners because it is possible for the aligners to become stained or discoloured.

DO YOU STILL HAVE QUESTIONS ABOUT INVISALIGN TREATMENT?

If you have additional questions after reading this, please consult with your Orthodontist, or call one of our specialist orthodontic practices:

→ HIGH WYCOMBE

Octagon Orthodontics at The Beauty Society

31-33 Amersham Hill
High Wycombe
Buckinghamshire HP13 6NU

TELEPHONE: 0845 601 0700

→ BEACONSFIELD

Octagon Orthodontics at Dental Art

Chesterton Gardens
Grove Road, Beaconsfield
Buckinghamshire HP9 1UR

TELEPHONE: 01494 681367

→ DENHAM

Octagon Orthodontics at The Ashcroft Clinic

2 Ashcroft Drive
Denham
Middlesex UB9 5JF

TELEPHONE: 01895 831 049

→ LONDON

Octagon Orthodontics at The Avenue

112 The Avenue
Ealing
London W13 8JX

TELEPHONE: 0208 566 9567



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RISKS AND CONSIDERATIONS

DURING INVISALIGN TREATMENT

Like other orthodontic treatments, the use of Invisalign product(s) may involve some of the risks outlined below:

- Failure to wear the appliances for the required number of hours per day, not using the product as directed by your doctor, missing appointments, and erupting or atypically shaped teeth can lengthen the treatment time and affect the ability to achieve the desired results
- Dental tenderness may be experienced after switching to the next aligner in the series
- Gums, cheeks and lips may be scratched or irritated
- Teeth may shift position after treatment. Consistent wearing of retainers at the end of treatment should reduce this tendency
- Tooth decay, periodontal disease, inflammation of the gums or permanent markings (e.g. decalcification) may occur if patients consume foods or beverages containing sugar, do not brush and floss their teeth properly before wearing the Invisalign products, or do not use proper oral hygiene and preventative maintenance
- The aligners may temporarily affect speech and may result in a lisp, although any speech impediment caused by the Invisalign products should disappear within one or two weeks
- Aligners may cause a temporary increase in salivation or mouth dryness and certain medications can heighten this effect
- Attachments may be bonded to one or more teeth during the course of treatment to facilitate tooth movement and/or appliance retention. These will be removed after treatment is completed

- Attachments may fall off and require replacement
- Teeth may require interproximal reduction or slenderising in order to create space needed for dental alignment to occur
- The bite may change throughout the course of treatment and may result in temporary patient discomfort
- In rare instances, slight superficial surface wear of the aligner may occur where patients may be grinding their teeth or where the teeth may be rubbing and is generally not a problem as overall aligner integrity and strength remains intact
- At the end of orthodontic treatment, the bite may require adjustment ("occlusal adjustment")
- Atypically shaped, erupting and/or missing teeth may affect aligner adaptation and may affect the ability to achieve the desired results
- Treatment of severe open bite, severe overjet, mixed dentition, and/or skeletally narrow jaw may require supplemental treatment in addition to aligner treatment
- Supplemental orthodontic treatment, including the use of bonded buttons, orthodontic elastics, auxiliary appliances/dental devices (e.g. temporary anchorage devices, sectional fixed appliances), and/or restorative dental procedures may be needed for more complicated treatment plans where aligners alone may not be adequate to achieve the desired outcome
- Teeth which have been overlapped for long periods of time may be missing the gingival tissue below the interproximal contact once the teeth are aligned, leading to the appearance of a "black triangle" space
- Aligners are not effective in the movement of dental implants
- General medical conditions and use of medications can affect orthodontic treatment
- Health of the bone and gums which support the teeth may be impaired or aggravated
- Oral surgery may be necessary to correct crowding or severe jaw imbalances that are present prior to wearing the Invisalign product. If oral surgery is required, risks associated with anesthesia and proper healing must be taken into account prior to treatment
- A tooth that has been previously traumatised, or significantly restored may be aggravated. In rare instances the useful life of the tooth may be reduced, the tooth may require additional dental treatment such as endodontic and/or additional restorative work and the tooth may be lost
- Existing dental restorations (e.g. crowns) may become dislodged and require re-cementation or in some instances, replacement
- Short clinical crowns can pose appliance retention issues and inhibit tooth movement
- The length of the roots of the teeth may be shortened during orthodontic treatment and may become a threat to the useful life of teeth
- Product breakage is more likely in patients with severe crowding and/or multiple missing teeth
- Orthodontic appliances or parts thereof may be accidentally swallowed or aspirated
- In rare instances, problems may also occur in the jaw joint, causing joint pain, headaches or ear problems
- Allergic reactions may occur
- Teeth that are not at least partially covered by the aligner may undergo overeruption
- In rare instances, patients with hereditary angioedema (HAE), a genetic disorder, may experience rapid local swelling of subcutaneous tissues including the larynx, HAE may be triggered by mild stimuli including dental procedures



BRACES THAT WON'T HOLD YOU BACK!



For teenagers who want that perfect smile,
but don't want the inconvenience
of wearing braces to affect their lifestyle!

Invisalign Teen is a removable brace system that uses a series of custom-moulded aligners to move your teeth. The great thing about Invisalign is that the aligners are transparent and invisible (no metal bands or wires like fixed braces), therefore nobody is going to realise that you're undergoing treatment – unless you tell them!

LOVE YOUR SMILE WITH



INVISIBLE REMOVABLE BRACES AT OCTAGON ORTHODONTICS



INVISALIGN CUSTOM-MOULDED
CLEAR PLASTIC ALIGNERS



YOU CAN REMOVE INVISALIGN
BRACES WHEN EATING



BRACES THAT DON'T INTERFERE
WITH SPECIAL OCCASIONS



NO FIXED BRACKETS OR WIRES
AND NO METAL



CAPTURE SPECIAL MOMENTS
WITHOUT UNSIGHTLY BRACES



ENJOY YOUR LIFE
WITH INVISALIGN



INVISALIGN IS CONVENIENT
TO PUT IN AND TAKE OUT



EASY TO KEEP YOUR
TEETH AND THE BRACES CLEAN



TEETH ARE DIGITALLY SCANNED
(NO MESSY IMPRESSIONS)