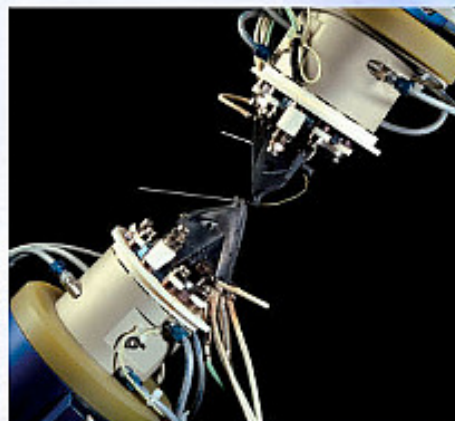




LIVE
LIFE
SMILING!





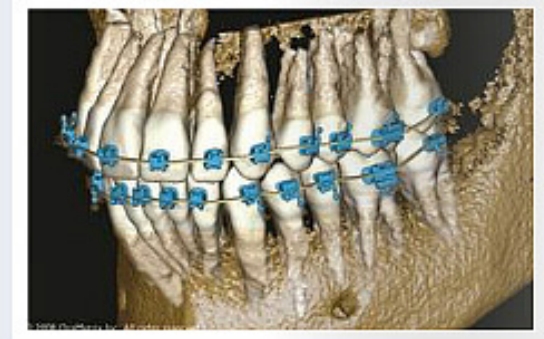
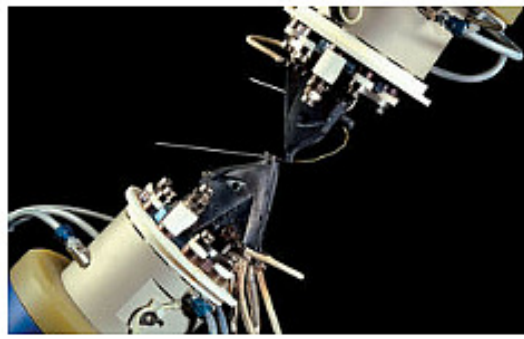
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4 CORPORATE DR. STE. 195 SHELTON, CT 06484 PH. 203.513.2014 FAX 203.513.8411

"Creating Generations of Beautiful Smiles"



SureSmile Diagnostic and Therapeutic Technology

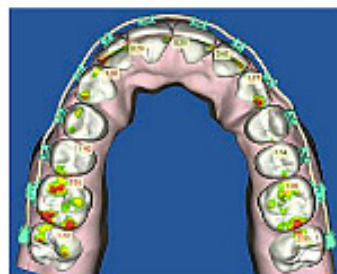
THE ORASCANNER

A handheld device that uses white light to capture digital images of your teeth in real time



SURESMILE SOFTWARE

Provides the doctor with the best orthodontic treatment planning digital software tools available. The target position of each tooth is planned in advance so you'll know what outcome to expect.



SHAPE MEMORY ALLOY

archwires are created during the robotic customization process. These "smart" wires permanently retain your individual prescription and are activated by your own body heat.

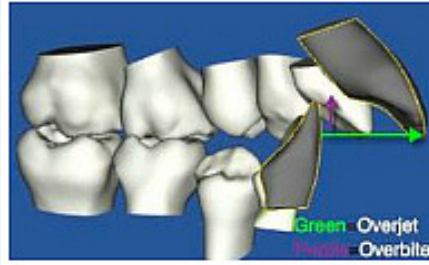


After your SureSmile wire is inserted, you'll be on your way to a beautiful, healthy smile sooner than you thought possible.

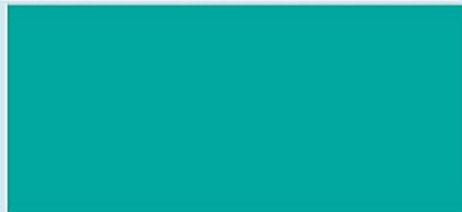


Class I
Severe Crowding of Teeth

Treatment Duration:
SureSmile Enhanced:
9 Months



Class II division 1
Severe overjet and overbite
Moderate crowding of teeth
Two Phase Therapy: Skeletal than
Dental Optimization





SMILE



Class II
Both crowding and spacing
Upper right canine potentially impacted
Moderate overbite and overjet
Crossbite and lower jaw deviation



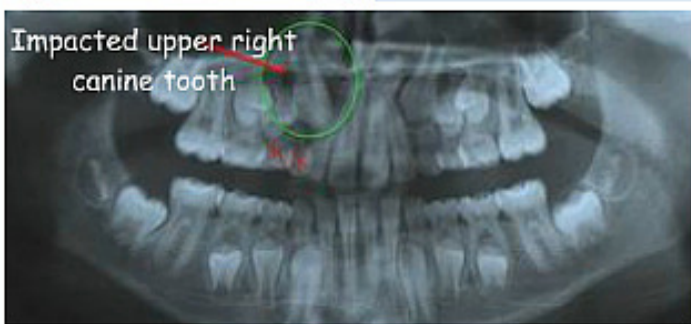
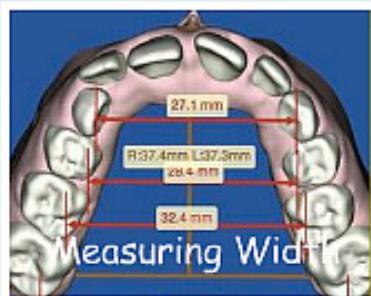
Right crossbite



Canine tooth in place



Bite corrected



LAUGH



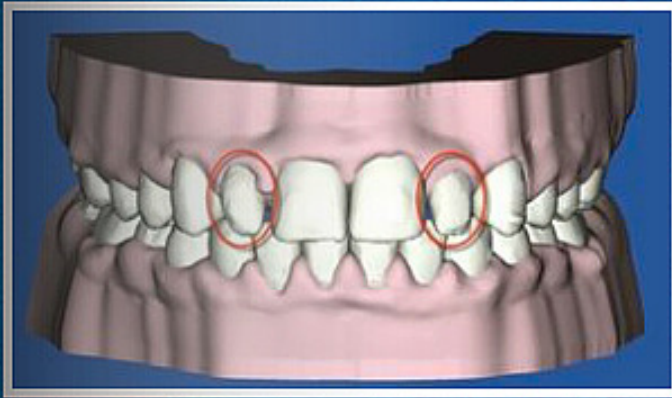
Invisalign Treatment: 9 months



One of the findings for this patient is a tooth mass discrepancy. The upper lateral incisors are pegged. Since the roots on the teeth are viable, the best plan is to create space around the pegged teeth and then have the general dentist place restorations over them to harmonize the smile line.

Tooth crowding, peg-shaped upper laterals, moderate overbite, missing permanent teeth

Orthodontics and Cosmetic Dentistry



Beautiful Result!

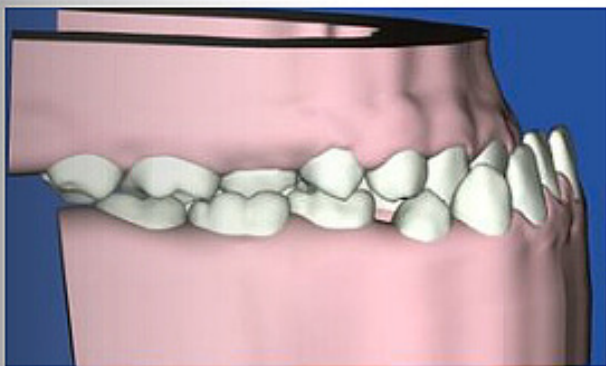
The top photos show the final planned result after braces. Note spaces around the pegged teeth planned for cosmetic restorations. The lower photos after the teeth were restored by the general dentist





Severe Class III
Deep Overbite
Severe Underbite
Severely Spaced
Dentition





AMAZING

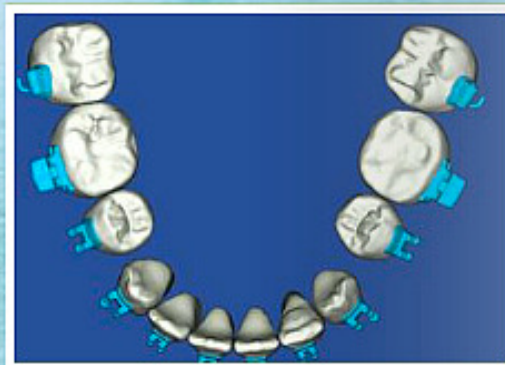
Extraction Sequence



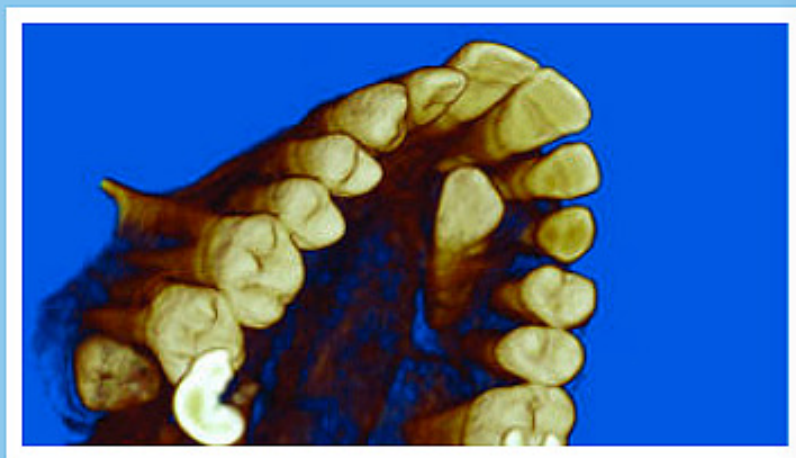
Closing Extraction Spaces



Timing is everything. Extractions took place early for this patient as permanent teeth are making their way in and before braces started. This "serial" extraction technique allows more room for the teeth to erupt. The closer to the final position the teeth arrive, the less relapse potential there is later.



Impacted cuspid. An Important tooth to save!

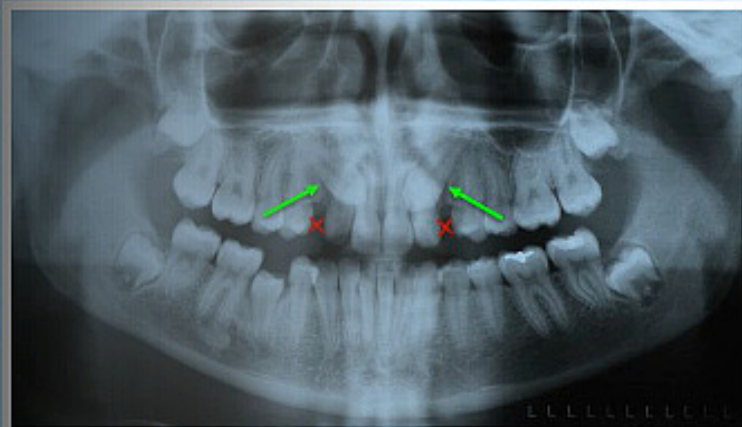


Surgical exposure of an impacted tooth is done in the office by an oral surgeon or periodontist. A tiny window is cut into the tissue so an orthodontic attachment can be placed on the impacted tooth. Using the braces the tooth is gently coaxed into position.

Treatment

Suresmile: 20 months

Class I, crowding, impacted canine teeth



Upper cuspids are impacted and primary canines are removed

1



2



3

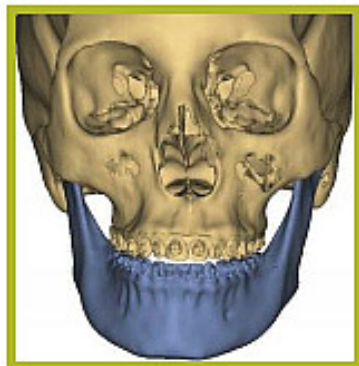


Braces create space for impacted teeth. Then teeth are guided into proper place in the dental arch. With SureSmile technology the time interval between 2 & 3 was 4 months



AMAZING
Final Result

Corrective Jaw Surgery



Some severe skeletal discrepancies are impossible to correct with braces alone and a surgical procedure is required to reposition or widen the jaw while the braces align the teeth and bite. A consultation with a recommended surgeon will help determine the best treatment plan and timing. A result such as this one is life changing.

CLINICIAN'S CORNER

AJO-DO

Integration of 3-dimensional surgical and orthodontic technologies with orthognathic "surgery-first" approach in the management of unilateral condylar hyperplasia

Nandakumar Janakiraman,¹ Mark Feinberg,² Meenakshi Vigneshwari,³ Yaseen Shri Nalaka Jayarathne,⁴ Derek M. Steinbacher,⁵ Ravindra Nanda,⁶ and Flavio Uribe⁷
Fomgong, Skille, and Niu Zhou, Case

Recent innovations in technology and techniques in both surgical and orthodontic fields can be integrated, especially when treating subjects with facial asymmetry. In this article, we present a treatment method consisting of 3-dimensional computer-aided surgical and orthodontic planning, which was implemented with the orthognathic surgery-first approach. Virtual surgical planning, fabrication of surgical splints using the computer-aided design/computer-aided manufacturing technique, and production of final orthodontic occlusion using virtual planning with robotically assisted automated archwires were integrated for this patient. Excellent esthetic and occlusal outcomes were obtained in a short period of 5.5 months. (Am J Orthod Dentofacial Orthop 2015;148:1054-60)

The advent of the digital era has enabled clinicians to use the best available data for evidence-based diagnosis, treatment planning, and execution of treatment. For accurate diagnosis, obtaining precise information from the imaging of the orofacial region in 3 dimensions is absolutely necessary to complement the clinical examination and a thorough medical and

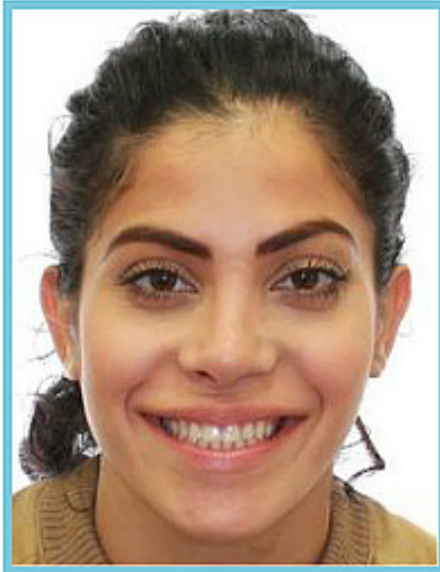
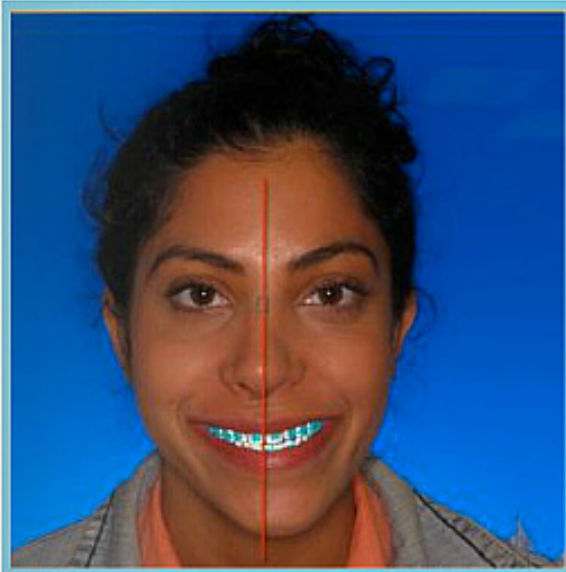
dental history, especially when treating complex malocclusions with orthognathic surgery.¹ Traditional 2-dimensional (2D) imaging has been the standard representing the 3-dimensional (3D) orofacial region. However, the most common problems with 2D imaging are image distortion, magnification errors, and landmark identification errors.^{2,3} With conventional system planning for orthognathic surgery using 2D imaging, treatment outcomes have been reported to be suboptimal, especially in patients requiring correct of pitch, roll, and yaw (ie, facial asymmetry).⁴ With the introduction of 3D cone-beam computed tomography (CBCT), it has become possible to view



(AJO-DO by Dr. Mark Feinberg et al.
December 2015)

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²Senior lecturer, Director of orthodontics, Department of Craniofacial Biology, School of Dental Medicine, University of Connecticut, Storrs, Conn.
³Senior orthodontic resident, School of Dental Medicine, University of Connecticut, Storrs, Conn.

THEN
&
NOW



A smile is a gift that lasts a lifetime.

Laugh



Smile like you
mean it!

Your are someone's
reason to smile!

Dream





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