







# Invisalign® Gallery 2013

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San Jose, CA

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# INTRODUCTION

Achieving quality orthodontic treatment outcomes with Invisalign® aligners has become routine for many general dentists today. Mild-to-moderate spacing and crowding which often goes untreated can now be resolved in the general dentist's practice in an esthetic and comfortable manner on a regular basis. In accordance with the goals of minimally invasive dentistry, many general dentists now also recommend Invisalign treatment prior to their restorative procedures in order to achieve a better balance between the removal of sound tooth structure and build-up in restorative material. As the science and technology behind Invisalign continues to improve, doctors can expect to gain even greater confidence in their ability to effectively and efficiently achieve their desired outcomes with Invisalign.

Each and every doctor who participated in the 2013 Invisalign Gallery has demonstrated that excellent clinical results can be accomplished by making orthodontics an integral part of the patient's comprehensive dental treatment plan. The vast majority of the cases submitted for publication in this year's Invisalign Gallery were of adult patients, many of whom also had a restorative dental component in connection with their Invisalign treatment. Several of the case reports submitted even go well beyond the typical malocclusions treated by general dentists with Invisalign aligners, and involve more advanced treatment plans such as extractions, extensive dental restorations, and/or significant changes to the vertical and horizontal dimensions.

The top four cases were determined through online voting by general dentists experienced with Invisalign treatment, with scoring based on treatment difficulty, clinical outcome, and records quality. These four cases were presented by their treating doctors at the 2013 Invisalign Summit, where the top overall treatment was chosen as the 2013 Summit Shootout winner. The presenters for the 2013 Invisalign Summit Shootout competition were: Dr. Jean Furuyama (New York, NY), Dr. John A. Moore (San Antonio, TX), Dr. Daniel Noor (New York, NY), and Dr. Jill Saia Pile (Frontenac, KS). Dr. Daniel Noor was selected by conference attendees as the 2013 Invisalign GP Summit Shootout winner.

All of the clinical contributors to the 2013 Invisalign Gallery deserve to be congratulated for their accomplishments. Their success should be celebrated—not just because of the outstanding results they achieved with their patients—but also because of the standards they have now set for their peers to try to meet or exceed.



Dr. Eric Kuo  
Editor, Invisalign Gallery 2013  
[InvisalignGallery@aligntech.com](mailto:InvisalignGallery@aligntech.com)



# CLINICAL CONTRIBUTORS

---

**Dr. Robert J. Asp**

Live Life Smiling  
Appleton, WI  
llsmiling.com

**Dr. David S. Eshom**

Dental Health and Beauty  
San Diego, CA  
eshomdds.com

**Dr. Michael Huguet**

Michael Huguet, DDS and  
Associates  
Pleasant Hill, CA  
pleasanthillsmile.com

**Dr. Payam Ataii**

Laser Dental Center  
Laguna Hills, CA  
laserdentalcenteroc.com

**Dr. Jean G. Furuyama**

Waterside Dental Care, PC  
New York, NY  
watersidedds.com

**Dr. Perry Jones\***

Richmond, VA  
drperryjones.com

**Dr. Anne Becker**

Montclair Smile Design  
Oakland, CA  
montclairsmiledesign.com

**Dr. Brian Gray**

Giannini & Gray Dental  
Partners  
Washington, DC  
smiledc.com

**Dr. Eugene Kim**

San Diego Dental Group  
San Diego, CA  
sddentalgroup.com

**Dr. Edward Camacho**

Cosmetic Dentistry  
of San Antonio  
San Antonio, TX  
cosmeticdentistryofsa.com

**Dr. Gohar Grigorian**

Gohar Grigorian, DDS  
Los Angeles, CA

**Dr. Maria Kunstadter**

The Smile Salon  
Kansas City, MO  
thesmilesalon.net

**Dr. Peter S Chang**

Roselle Dental  
Roselle, IL  
roselledentalcare.com

**Dr. Mike Hinkle**

Utica Dental  
Tulsa, OK  
uticadental.com

**Dr. Jeremy Kurtz**

Toronto Dental Implant  
Centre  
Toronto, ON  
torontodentalimplantcentre.com

**Dr. Stefanie Dolas**

Dentistry by Drs. Dolas  
Placentia, CA  
drsdolas.com

**Dr. Mark Hodge**

Berkshire Dental Group  
Broken Arrow, OK  
berkshiredentalgroup.com

**Dr. Robert Leach**

Dentistry, ETC  
Grand Blanc, MI  
dentistryetc.com

\*Special thanks to Dr. Perry Jones for providing the sample treatments for [www.smilescore.com](http://www.smilescore.com).



# CLINICAL CONTRIBUTORS

**Dr. Xianglong Li**

Dr. Xianglong Li, DDS  
New York, NY

**Dr. Christopher J. Perry**

Perry Dental Health  
San Antonio, TX  
perrydentalhealth.com

**Dr. Benjamin Schwartz**

ProDent NY  
New York, NY  
prodentny.com

**Dr. Blaine McLaughlin**

Dental Touch  
Marion, IA  
dentaltouch.com

**Dr. Jill Saia Pile**

Saia Smile Center  
Frontenac, KS  
saiasmilecenter.com

**Dr. Gregory W. Staffon**

Staffon Dentistry  
Carlsbad, CA  
staffondentistry.com

**Dr. John A. Moore**

Cosmetic Dental Associates  
San Antonio, TX  
33smile.com

**Dr. Anthony Ramirez**

Dr. Anthony Ramirez  
Brooklyn, NY  
dranthonyramirez.com

**Dr. Rodrick Toms**

Dental Health Group  
Burlington, ON  
dentalhealthgroup.ca

**Dr. Tim Muscaro**

Muscaro & Martini Dentistry  
Tampa, FL  
muscaroandmartinidentis-  
try.com

**Dr. Anthony Rassouli**

Center for Oral Health  
Huntington Beach, CA  
4eversmile.com

**Dr. Nathalie Tunesvik**

Diamond Ridge Dentistry  
Jefferson City, MO  
drnathalie.com

**Dr. Sam Namdarian**

Fresno Smile Makeovers  
Fresno, CA  
fresnosmilemakeovers.com

**Dr. Stephane Reinhardt**

Reinhardt, Thibert & Assoc.  
Brossard, QC  
cliniquerta.com

**Dr. Sara Wassenaar**

Wassenaar, Frutiger,  
Moeggenborg DDS  
Alma, MI  
smilealma.com

**Dr. Daniel Noor**

New York, NY  
NyCelebrityDentist.com

**Dr. Richard Schmidt**

Dentistry at 8 Nelson  
Brampton, ON  
dentistryat8nelson.com

**Dr. Len Wedlich**

Island Dental Center  
Hamilton, Bermuda

**Dr. Bruno Paliani**

The Smile Dentist  
London, ON  
SmileDentist.com



# Crowding Treatments





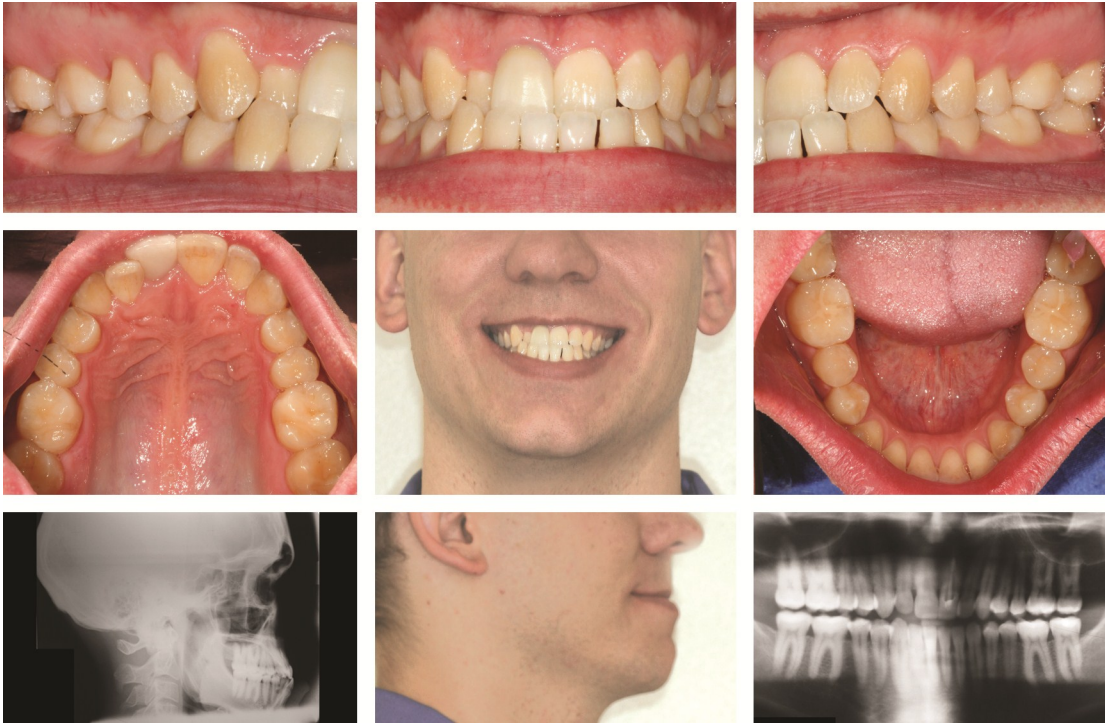
Dr. Robert J. Asp  
Live Life Smiling  
Appleton, WI  
[www.livesmiling.com](http://www.livesmiling.com)



## Treatment Summary

<b>Patient:</b>	33 year-old male
<b>Chief Concern:</b>	The patient was unhappy with his underbite and uneven smile. He was not interested in fixed braces.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Class I skeletal with Class III dental tendency. Midface deficiency. Crowding. Anterior crossbite.
<b>Length of Treatment:</b>	28 months
<b>Number of Aligners Used:</b>	Upper: 13+13 Lower: 12+13
<b>Additional Treatment:</b>	Esthetically reshaped old crown on tooth #8 to match tooth #9.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Payam Ataii  
Laser Dental Center  
Laguna Hills, CA  
[www.laserdentalcenteroc.com](http://www.laserdentalcenteroc.com)

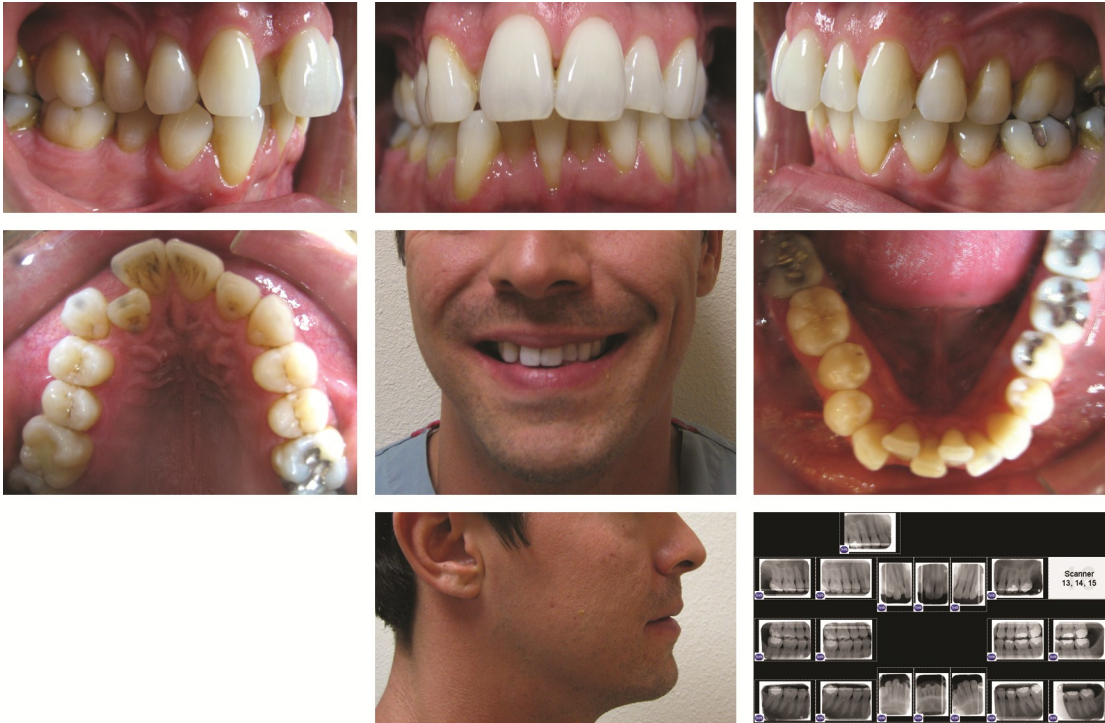


## Treatment Summary

<b>Patient:</b>	32 year-old male
<b>Chief Concern:</b>	"I would like to save my lateral tooth, not extract it. I was told Invisalign® could not do the job, but would like to give it a try."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Patient with history of cheek biting on the left side from posterior edge-to-edge bite. Anterior crossbite of #7. Lower crowding, cuspid rotations, and midline deviation. Narrow arches.
<b>Length of Treatment:</b>	22 months
<b>Number of Aligners Used:</b>	Upper: 25+8 Lower: 25+8
<b>Additional Treatment:</b>	None
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers



## BEFORE



## AFTER





Dr. Payam Ataii  
Laser Dental Center  
Laguna Hills, CA  
[www.laserdentalcenteroc.com](http://www.laserdentalcenteroc.com)

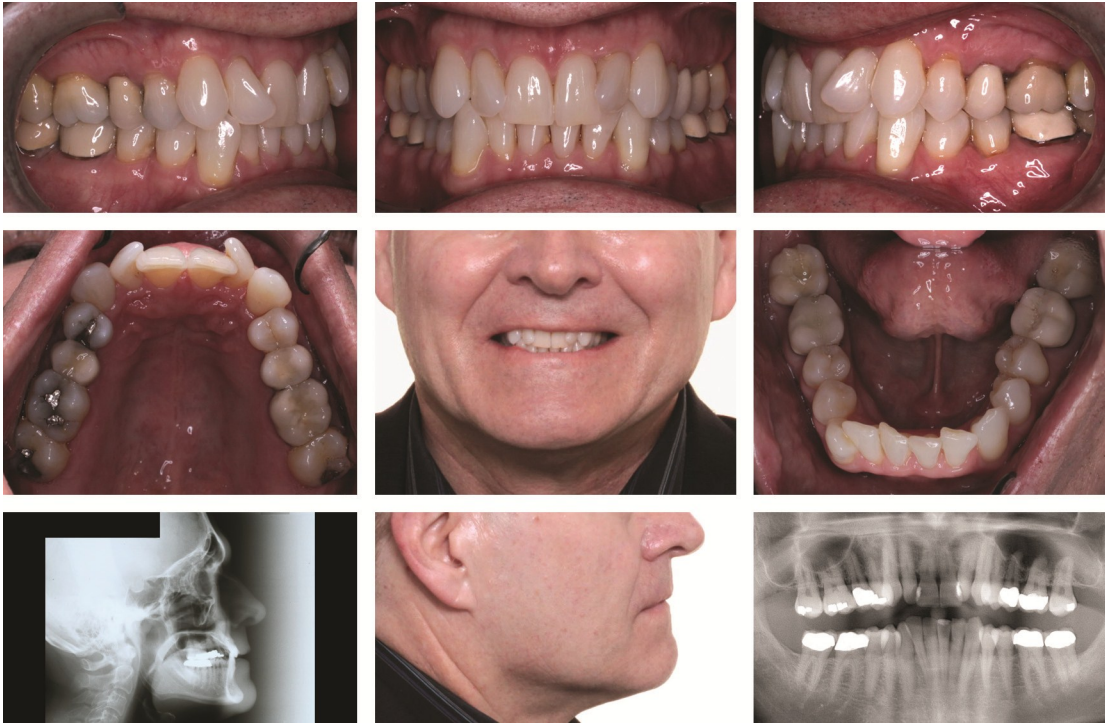


## Treatment Summary

<b>Patient:</b>	56 year-old male
<b>Chief Concern:</b>	"I was told Invisalign® would not work."
<b>Diagnosis:</b>	Right: Class II Left: Class II  Upper laterals overlapping the central incisors. Upper laterals rotated more than 40 degrees with lingual decay that would be difficult to restore without orthodontic clearance. Upper and lower anterior crowding. Lower right cuspid in crossbite. Narrow arches, especially in the bicuspid region.
<b>Length of Treatment:</b>	13 months
<b>Number of Aligners Used:</b>	Upper: 15+1+14 Lower: 15+1+14
<b>Additional Treatment:</b>	Composite bonding on #7 and #10.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Bonded lingual retainer + Viverra®



BEFORE



AFTER





Dr. Edward Camacho  
Cosmetic Dentistry of San Antonio  
San Antonio, TX  
[www.cosmeticdentistryofsa.com](http://www.cosmeticdentistryofsa.com)



## Treatment Summary

<b>Patient:</b>	24 year-old female		
<b>Chief Concern:</b>	The patient was concerned about her crowded teeth.		
<b>Diagnosis:</b>	Right:	Class I	
	Left:	Class I	
	"Division 1" incisor appearance, with protruded upper centrals and retruded lateral incisors. Overbite = 6 mm and overjet = 6 mm.		
<b>Length of Treatment:</b>	19 months		
<b>Number of Aligners Used:</b>	Upper:	40	
	Lower:	40	
<b>Additional Treatment:</b>	None		
<b>Retention:</b>	Upper:	Vivera® retainers	
	Lower:	Vivera® retainers	

BEFORE



AFTER







Dr. Peter S. Chang  
Roselle Dental Center  
Roselle, IL  
[www.roselledentalcare.com](http://www.roselledentalcare.com)



## Treatment Summary

<b>Patient:</b>	45 year-old male
<b>Chief Concern:</b>	The patient was concerned about his smile esthetics, crowded lower teeth, and future periodontal issues.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Significantly constricted lower arch form with significant lower anterior crowding. Crossbite of #6 and #7.
<b>Length of Treatment:</b>	13 months
<b>Number of Aligners Used:</b>	Upper: 32 Lower: 31
<b>Additional Treatment:</b>	Incisal edge recountouring of #7 and #8.
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer

BEFORE



AFTER





Dr. David S. Eshom  
Dental Health and Beauty  
San Diego, CA  
[www.eshomdds.com](http://www.eshomdds.com)



## Treatment Summary

<b>Patient:</b>	42 year-old female
<b>Chief Concern:</b>	The patient was concerned about her crowded teeth and wants a "perfect smile."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Severe crowding with 90% overbite, 1 mm overjet, and 1 mm midline discrepancy.
<b>Length of Treatment:</b>	23 months
<b>Number of Aligners Used:</b>	Upper: 18+5+4+3 Lower: 17+7+3
<b>Additional Treatment:</b>	None
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer



BEFORE



AFTER





**2013 SHOOTOUT FINALIST  
SUMMIT PRESENTER**



**Dr. Jean G. Furuyama**  
Waterside Dental Care  
New York, New York  
[www.watersidedds.com](http://www.watersidedds.com)



## Treatment Summary

<b>Patient:</b>	28 year-old female
<b>Chief Concern:</b>	The patient was concerned about the crowding of her upper and lower teeth.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Class I molars with severe upper and lower crowding. Extensive plaque due to difficulty brushing from crowding. Bimaxillary protrusion.
<b>Length of Treatment:</b>	33 months
<b>Number of Aligners Used:</b>	Upper: 43+22 Lower: 43+22
<b>Additional Treatment:</b>	Chewies™ aligner tray seaters to keep teeth #7 and #10 tracking during initial aligner treatment (used during aligners #18-20).
<b>Retention:</b>	Upper: Last aligner Lower: Last aligner



BEFORE



AFTER





Dr. Brian Gray  
Giannini & Gray Dental Partners  
Washington, DC  
[www.smiledc.com](http://www.smiledc.com)



## Treatment Summary

<b>Patient:</b>	38 year-old female
<b>Chief Concern:</b>	"I have vampire fangs - can you fix them? Also, my other teeth are crooked, worn down, and yellow. Please help!"
<b>Diagnosis:</b>	Right: Class I Left: Class I  Moderate to severe upper and lower crowding.
<b>Length of Treatment:</b>	17 months
<b>Number of Aligners Used:</b>	Upper: 18+8+6 Lower: 8+4+3
<b>Additional Treatment:</b>	Whitening. Final porcelain-to-zirconia crowns on #14 and #19. Minor composite bonding and enameloplasty on anterior teeth.
<b>Retention:</b>	Upper: Vivera® retainers Lower: Vivera® retainers

BEFORE



AFTER







Dr. Brian Gray  
Giannini & Gray Dental Partners  
Washington, DC  
[www.smiledc.com](http://www.smiledc.com)



## Treatment Summary

<b>Patient:</b>	42 year-old male
<b>Chief Concern:</b>	"Crowded teeth and some are chipped too."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Occlusal and buccal abfractions, with moderate wear. Mild upper crowding and moderate to severe lower crowding. Lingually displaced #25.
<b>Length of Treatment:</b>	11 months
<b>Number of Aligners Used:</b>	Upper: 12+6 Lower: 12+4
<b>Additional Treatment:</b>	Whitening. MIFL composite on tooth #25. Replaced posterior amalgams with composite restorations. Minor gingivectomy (1.2 mm) on the facial of #10 via electrosurgery.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Gohar Grigorian  
Gohar Grigorian, DDS  
Los Angeles, CA



## Treatment Summary

<b>Patient:</b>	19 year-old female	
<b>Chief Concern:</b>	The patient was concerned about her crowded teeth and upper jaw protrusion and wanted to change her overall smile.	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class I
	High cuspid (#11)	
<b>Length of Treatment:</b>	24 months	
<b>Number of Aligners Used:</b>	Upper:	29+15+7
	Lower:	36+20+12
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Vivera® retainers
	Lower:	Vivera® retainers

BEFORE



AFTER







Dr. Mike Hinkle  
Utica Dental  
Tulsa, OK  
[www.uticadental.com](http://www.uticadental.com)



## Treatment Summary

<b>Patient:</b>	27 year-old male
<b>Chief Concern:</b>	Severe crowding, embarrassing smile, and difficulty keeping his teeth clean.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Anterior crowding with midlines off-center. Lower anterior teeth in crossbite.
<b>Length of Treatment:</b>	27 months
<b>Number of Aligners Used:</b>	Upper: 24+14+14 Lower: 24+22+14
<b>Additional Treatment:</b>	Old amalgams were replaced over several appointments while Invisalign® was ongoing by recreating the anatomy in the new fillings. Two root canals and two crowns were also completed following treatment. Restorations were contoured to fit the existing aligners/retainers.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers



BEFORE



AFTER





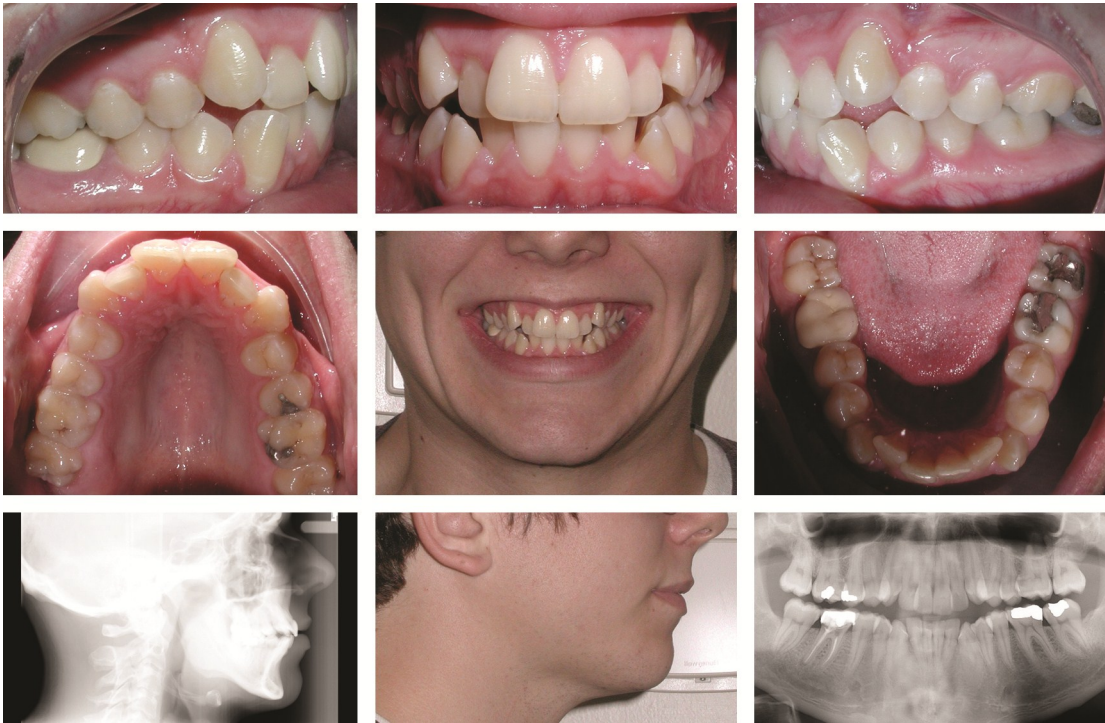
Dr. Mark Hodge  
Berkshire Dental Group  
Broken Arrow, OK  
[www.berkshiredentalgroup.com](http://www.berkshiredentalgroup.com)



## Treatment Summary

<b>Patient:</b>	20 year-old male
<b>Chief Concern:</b>	His "fang teeth" and crowding.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Bilateral dental Class I molar and canine relationship with severe crowding and ectopically erupted maxillary canines.
<b>Length of Treatment:</b>	22 months
<b>Number of Aligners Used:</b>	Upper: 21+15 Lower: 21+15
<b>Additional Treatment:</b>	Prior to refinement, the last set of aligners of the initial series were modified for buttons and elastics to extrude the maxillary canines.
<b>Retention:</b>	Upper: Vivera® retainers Lower: Vivera® retainers

BEFORE



AFTER







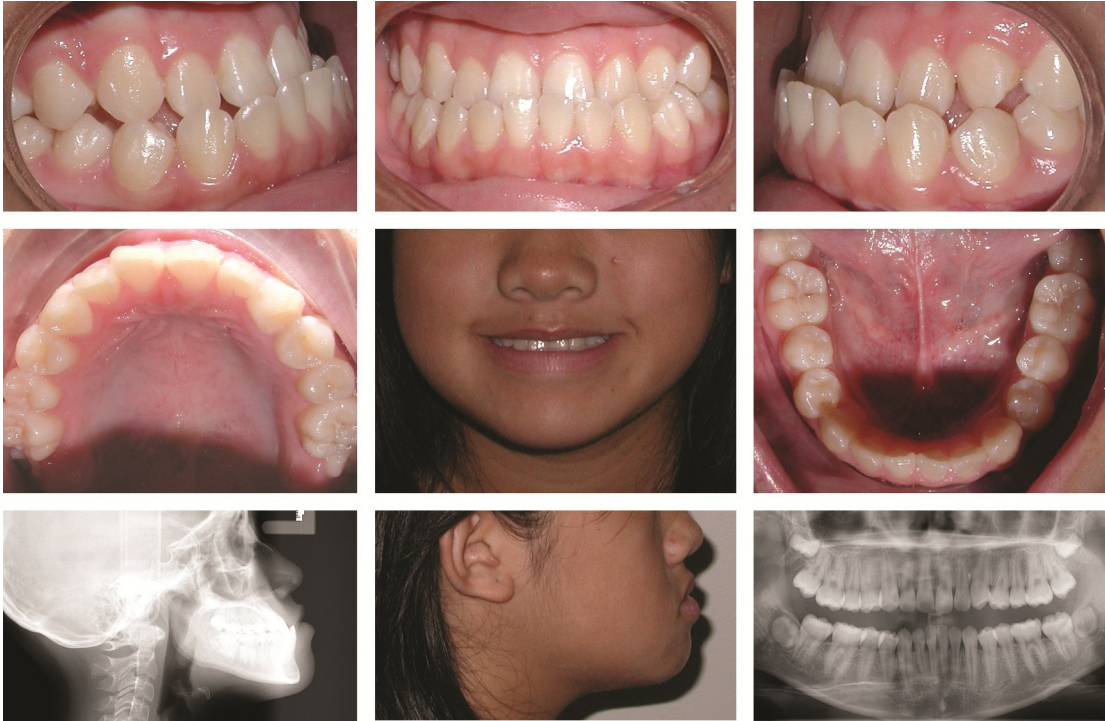
Dr. Mark Hodge  
Berkshire Dental Group  
Broken Arrow, OK  
[www.berkshiredentalgroup.com](http://www.berkshiredentalgroup.com)



## Treatment Summary

<b>Patient:</b>	14 year-old female
<b>Chief Concern:</b>	The patient was concerned about her severe underbite and concave profile. Prior consults had only offered surgery as an option.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Skeletal Class III due to deficient maxilla.
<b>Length of Treatment:</b>	33 months
<b>Number of Aligners Used:</b>	Upper: 31+23 Lower: 31+14
<b>Additional Treatment:</b>	Reverse pull headgear. Class III elastics on hooks cut into aligners near #s 3, 14, 22, & 27. A high profile, horizontal, rectangular attachment was placed on the buccal of #3 and #14 to aid in the retention of the upper aligners.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Eugene Kim  
San Diego Dental Group  
San Diego, CA  
[www.sddentalgroup.com](http://www.sddentalgroup.com)



## Treatment Summary

<b>Patient:</b>	20 year-old male
<b>Chief Concern:</b>	"My teeth are crowded."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Moderate to severe crowding.
<b>Length of Treatment:</b>	18 months
<b>Number of Aligners Used:</b>	Upper: 13+9 Lower: 13+9
<b>Additional Treatment:</b>	Detailing pliers during refinement.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER







Dr. Eugene Kim  
San Diego Dental Group  
San Diego, CA  
[www.sddentalgroup.com](http://www.sddentalgroup.com)



## Treatment Summary

<b>Patient:</b>	32 year-old female
<b>Chief Concern:</b>	"My canine is too high."
<b>Diagnosis:</b>	Right: Class I Left: Class II  Severely lingualized tooth #20. High canine (#11). Multiple crowns/inlays and bridge.
<b>Length of Treatment:</b>	24 months
<b>Number of Aligners Used:</b>	Upper: 29+24 Lower: 29+24
<b>Additional Treatment:</b>	Extracted tooth #20. Used four months of vertical elastics for #11 when it stopped tracking with the aligner.
<b>Retention:</b>	Upper: Hawley retainer Lower: Hawley retainer



BEFORE



AFTER





Dr. Maria Kunstadter  
The Smile Salon  
Kansas City, MO  
[www.thesmilesalon.net](http://www.thesmilesalon.net)



## Treatment Summary

<b>Patient:</b>	20 year-old female
<b>Chief Concern:</b>	"Super crowded teeth."
<b>Diagnosis:</b>	Right: Class II Left: Class I  Severe crowding, crossbite between #7 and #27, with buccal crossbite tendency on the left side.
<b>Length of Treatment:</b>	30 months
<b>Number of Aligners Used:</b>	Upper: 27+21 Lower: 27+21
<b>Additional Treatment:</b>	Composite veneer on tooth #7.
<b>Retention:</b>	Upper: Other clear Lower: Other clear

BEFORE



AFTER





Dr. Jeremy Kurtz

Toronto Dental Implant Centre

Toronto, ON

[www.torontodentalimplantcentre.com](http://www.torontodentalimplantcentre.com)



## Treatment Summary

**Patient:** 28 year-old male

**Chief Concern:** Crowding.

**Diagnosis:** Right: Class I  
Left: Class I

100% overbite. Severe maxillary and mandibular crowding. Posterior right side is collapsed (1.5 and 4.5 are lingually positioned), with tooth 4.4 blocked out of the mandibular arch.

**Length of Treatment:** 19 months

**Number of Aligners Used:** Upper: 43  
Lower: 43

**Additional Treatment:** None

**Retention:** Upper: Vivera® retainers  
Lower: Vivera® retainers



BEFORE



AFTER





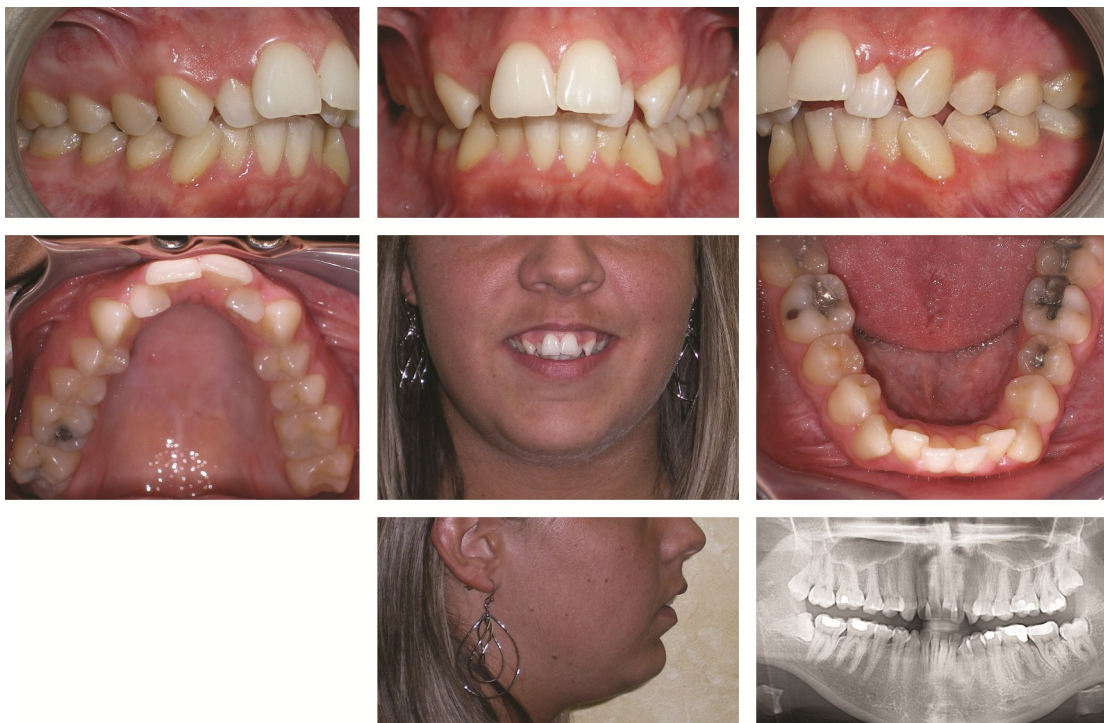
Dr. Robert Leach  
Dentistry, ETC  
Grand Blanc, MI  
[www.dentistryetc.com](http://www.dentistryetc.com)



## Treatment Summary

<b>Patient:</b>	25 year-old female
<b>Chief Concern:</b>	"I hate the way my teeth look."
<b>Diagnosis:</b>	Right: Class II Left: Class II  Constricted arch form with restricted envelope of function.
<b>Length of Treatment:</b>	23 months
<b>Number of Aligners Used:</b>	Upper: 24+22 Lower: 24+22
<b>Additional Treatment:</b>	Restored defective amalgams and anterior composites to finish with golden proportion esthetics and optimal anterior coupling for teeth #s 6, 7, 8, 9, 10, 11, 22, 27.
<b>Retention:</b>	Upper: Essix® retainer Lower: Essix® retainer

BEFORE



AFTER







Dr. Robert Leach  
Dentistry, ETC  
Grand Blanc, MI  
[www.dentistryetc.com](http://www.dentistryetc.com)



## Treatment Summary

<b>Patient:</b>	54 year-old female
<b>Chief Concern:</b>	"My teeth look old. My jaw gets sore when chewing."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Premature incisal wear. TMD. Centric relation interferences. Constricted arch form. Crossbite between #7 and #27. Negative inter-incisal angle.
<b>Length of Treatment:</b>	15 months
<b>Number of Aligners Used:</b>	Upper: 33 Lower: 33
<b>Additional Treatment:</b>	Direct composites before aligners to restore worn incisal edges and create "normal" shape and contour on teeth #s 6, 8, 9, 11. Restored worn mandibular incisal edges with direct composite after aligner treatment was finished.
<b>Retention:</b>	Upper: Essix® retainer Lower: Essix® retainer



BEFORE



AFTER





Dr. Blaine McLaughlin  
Dental Touch  
Marion, IA  
[www.dentaltouch.com](http://www.dentaltouch.com)



## Treatment Summary

<b>Patient:</b>	27 year-old male
<b>Chief Concern:</b>	He didn't like his smile and had a "snarly tooth."
<b>Diagnosis:</b>	Right: Class III Left: Class I  Severe crowding in the upper arch. Mild crowding in the lower arch. Lingual crossbite of #7, with #6 blocked out facially. Upper midline shifted to the right.
<b>Length of Treatment:</b>	26 months
<b>Number of Aligners Used:</b>	Upper: 39+15 Lower: 18+12
<b>Additional Treatment:</b>	A laser was used to recontour the gingiva around tooth #7.
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer

BEFORE



AFTER







**2013 SHOOTOUT FINALIST  
SUMMIT PRESENTER**

**Dr. John A. Moore**  
Cosmetic Dental Associates  
San Antonio, TX  
[www.33smile.com](http://www.33smile.com)



## Treatment Summary

<b>Patient:</b>	40 year-old male
<b>Chief Concern:</b>	Anterior crossbite and upper crowding.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Unresolved anterior crossbite and upper crowding from previous Invisalign® treatment (transfer case).
<b>Length of Treatment:</b>	17 months
<b>Number of Aligners Used:</b>	Upper: 33+27 Lower: 20+28
<b>Additional Treatment:</b>	Heavy Class III elastics for 5 months, with hooks cut into the aligners near #22 and #27 and buttons on #3 and #14.
<b>Retention:</b>	Upper: Vivera® retainers Lower: Vivera® retainers

# BEFORE



# AFTER







Dr. Tim Muscaro  
Muscaro & Martini Dentistry  
Tampa, FL  
[www.muscaroandmartinidentistry.com](http://www.muscaroandmartinidentistry.com)



## Treatment Summary

<b>Patient:</b>	47 year-old female	
<b>Chief Concern:</b>	"I do not like the way my teeth look. It is time for me to take care of my crooked teeth now that my girls are out of their braces."	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class I
	Severe crowding with narrow arches.	
<b>Length of Treatment:</b>	38 months	
<b>Number of Aligners Used:</b>	Upper:	25+23+20+10+11
	Lower:	30+25+12+9
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Vivera® retainers
	Lower:	Vivera® retainers

BEFORE



AFTER





Dr. Sam Namdarian  
Fresno Smile Makeovers  
Fresno, CA  
[www.fresnosmilemakeovers.com](http://www.fresnosmilemakeovers.com)



## Treatment Summary

<b>Patient:</b>	26 year-old female
<b>Chief Concern:</b>	"My teeth are crooked and my smile is unattractive."
<b>Diagnosis:</b>	Right: Class III Left: Class III  Anterior crossbite.
<b>Length of Treatment:</b>	28 months
<b>Number of Aligners Used:</b>	Upper: 15+15+6+11 Lower: 14+14+6+5
<b>Additional Treatment:</b>	None
<b>Retention:</b>	Upper: Hawley retainer Lower: Hawley retainer

BEFORE



AFTER







Dr. Daniel Noor  
New York, NY  
[www.NYCelebrityDentist.com](http://www.NYCelebrityDentist.com)



## Treatment Summary

<b>Patient:</b>	36 year-old male
<b>Chief Concern:</b>	"I don't like my puffy red gums and gummy smile. My severely crowded teeth make it difficult for me to brush/floss and my gums bleed."
<b>Diagnosis:</b>	Right: Class I Left: Class I  80% overbite. Severe anterior crowding. 5 mm midline shift. Very narrow posterior arches with tilted teeth restricting tongue space.
<b>Length of Treatment:</b>	31 months
<b>Number of Aligners Used:</b>	Upper: 41+36+12 Lower: 41+36+14
<b>Additional Treatment:</b>	C-chain elastics connected to grooves cut into the attachments on the lower first molars and canines during aligner #12-23. Detailing pliers during refinement. Composite restorations.
<b>Retention:</b>	Upper: Bonded lingual retainer + Vivera® Lower: Bonded lingual retainer + Vivera®



BEFORE



AFTER





Dr. Daniel Noor  
New York, NY  
[www.NYCelebrityDentist.com](http://www.NYCelebrityDentist.com)

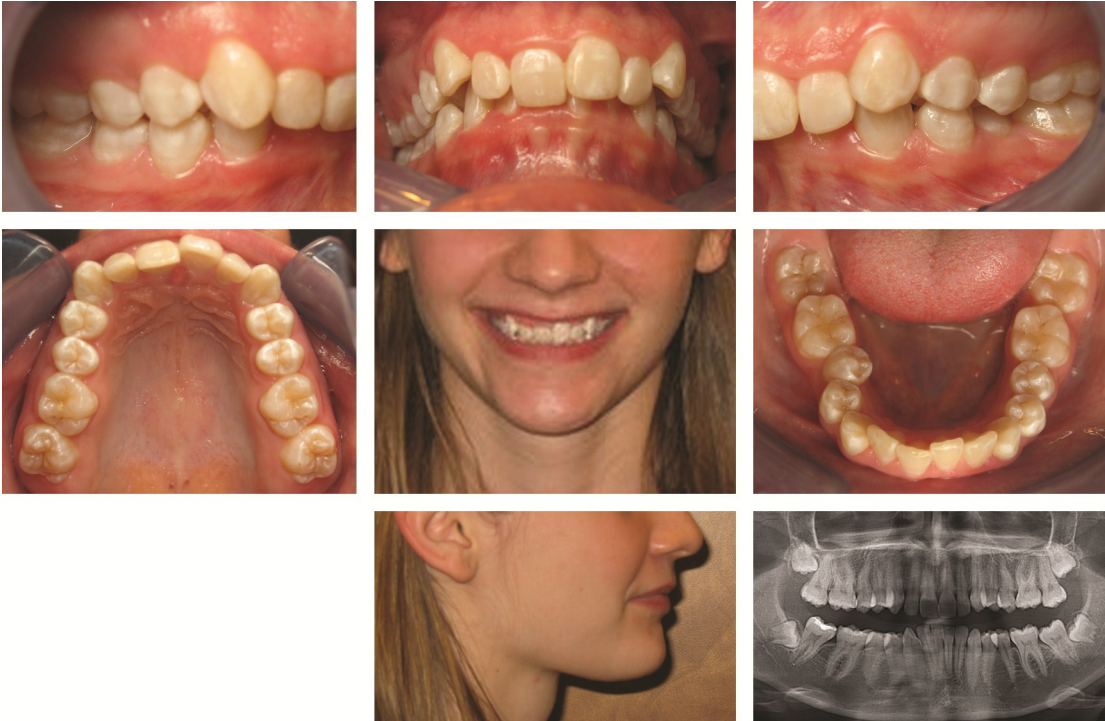


## Treatment Summary

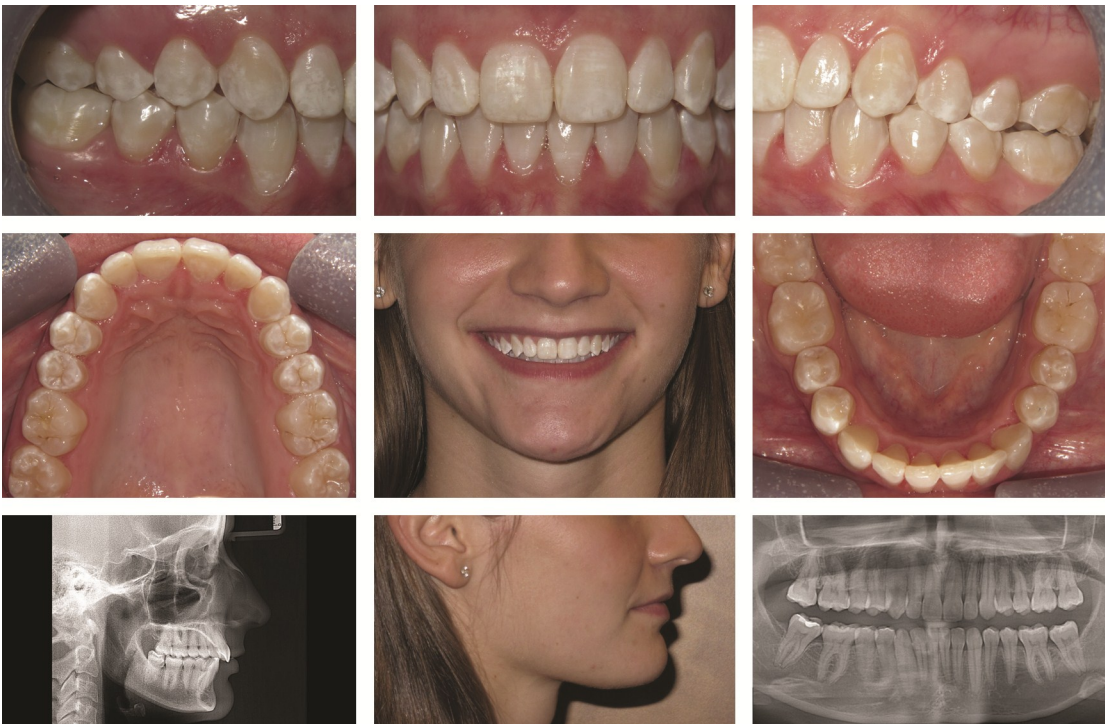
<b>Patient:</b>	21 year-old female
<b>Chief Concern:</b>	"I hate my fang-like canines and gummy smile. I'm not comfortable around my friends and very shy around guys. My upper teeth cover my lower teeth completely and they aren't even."
<b>Diagnosis:</b>	Right: Class II Left: Class II  Impacted wisdom teeth. 100% overbite. Anterior crowding, narrow posterior arch with lingually displaced premolar. Midline shift. Anterior teeth not level.
<b>Length of Treatment:</b>	29 months
<b>Number of Aligners Used:</b>	Upper: 55+31 Lower: 55+31
<b>Additional Treatment:</b>	Extracted wisdom teeth for room to distalize molars. Class II Elastics. Detailing pliers.
<b>Retention:</b>	Upper: Bonded lingual retainer + Vivera® Lower: Bonded lingual retainer + Vivera®



BEFORE



AFTER





Dr. Daniel Noor  
New York, NY  
[www.NYCelebrityDentist.com](http://www.NYCelebrityDentist.com)



## Treatment Summary

<b>Patient:</b>	29 year-old female
<b>Chief Concern:</b>	"I feel like my front teeth can break at any moment from the 'crisscross.' My food gets stuck between my front teeth. I hate the idea of extractions and braces aren't an option due to my age and job."
<b>Diagnosis:</b>	Right: Class III Left: Class III  Chipped incisors from anterior crossbite. 4 mm midline shift. Crowding. Narrow posterior arches with lingually tilted teeth.
<b>Length of Treatment:</b>	25 months
<b>Number of Aligners Used:</b>	Upper: 40+16 Lower: 40+16
<b>Additional Treatment:</b>	Detailing pliers. Resin restorations on chipped incisal edges.
<b>Retention:</b>	Upper: Bonded lingual retainer + Vivera® Lower: Bonded lingual retainer + Vivera®

BEFORE



AFTER







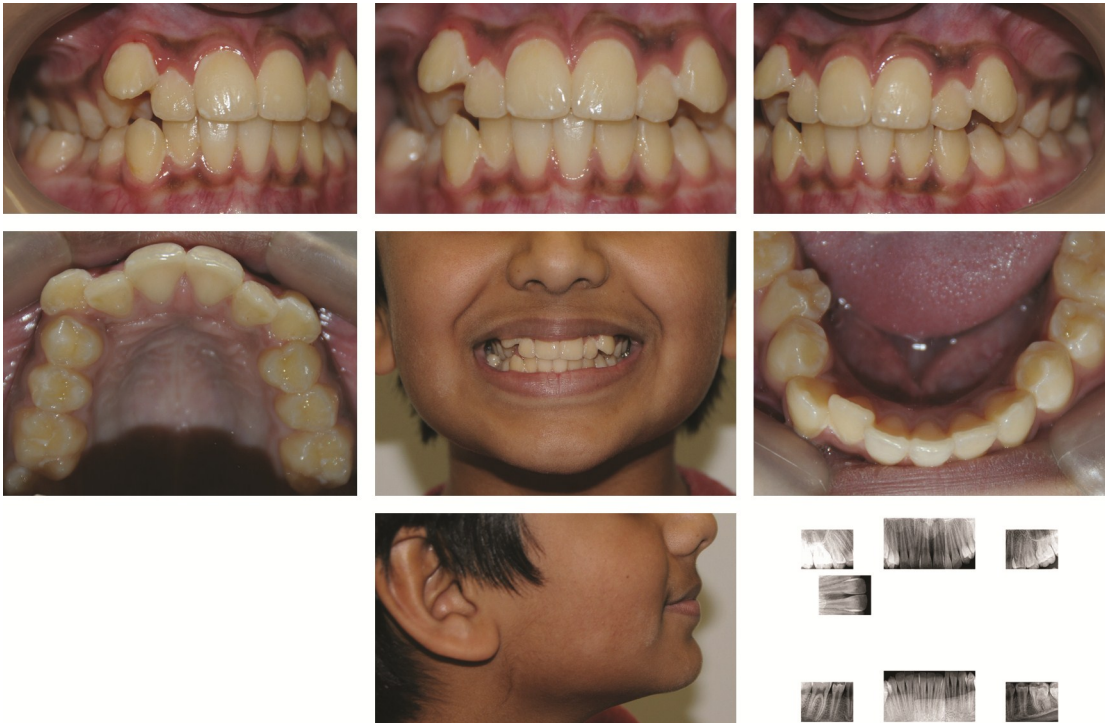
Dr. Bruno Paliani  
The Smile Dentist  
London, ON  
[www.SmileDentist.com](http://www.SmileDentist.com)



## Treatment Summary

<b>Patient:</b>	12 year-old male
<b>Chief Concern:</b>	The patient was concerned about crowded teeth, with canines out of proper arch alignment and not fully erupted. The patient's orthodontist advised fixed braces with extraction of 4 premolars, so the patient's mother wanted a second opinion.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Moderate-to-severe crowding with a unilateral crossbite and narrow arches. Dental midlines are deviated by 3 mm. Crossbite of 1.6,1.7/4.6,4.7.
<b>Length of Treatment:</b>	10 months (aligners were changed weekly).
<b>Number of Aligners Used:</b>	Upper: 21+10 Lower: 21+10
<b>Additional Treatment:</b>	None
<b>Retention:</b>	Upper: Last aligner Lower: Last aligner

BEFORE



AFTER





Dr. Christopher J. Perry  
Perry Dental Health  
San Antonio, TX  
[www.perrydentalhealth.com](http://www.perrydentalhealth.com)



## Treatment Summary

<b>Patient:</b>	25 year-old female
<b>Chief Concern:</b>	"I want to fix my crooked teeth."
<b>Diagnosis:</b>	Right: Class I Left: Class I  Molars are Class I. Maxillary dental midline is 1.5 mm to the right of her facial midline. Teeth #8 and #9 are bell-shaped.
<b>Length of Treatment:</b>	36 months
<b>Number of Aligners Used:</b>	Upper: 25+11+16+7 Lower: 25+11+14+6
<b>Additional Treatment:</b>	Esthetic crown lengthening and enameloplasty for ideal contours.
<b>Retention:</b>	Upper: Vivera® retainers Lower: Vivera® retainers

## BEFORE



## AFTER







## 2013 SHOOTOUT FINALIST SUMMIT PRESENTER

Dr. Jill Saia Pile

Saia Smile Center

Frontenac, KS

[www.saiasmilecenter.com](http://www.saiasmilecenter.com)



## Treatment Summary

<b>Patient:</b>	31 year-old female
<b>Chief Concern:</b>	"I still have my baby canine tooth and my permanent canine never came down. Am I too old for orthodontics? I really want to do Invisalign!"
<b>Diagnosis:</b>	Right: Class I Left: Class I  Impacted tooth #6, with primary canine retained, minimal overbite, and 3 mm overjet.
<b>Length of Treatment:</b>	24 months
<b>Number of Aligners Used:</b>	Upper: 12+6+10+12 Lower: 12+6+10+10
<b>Additional Treatment:</b>	Triangular elastics to pull #6 down and C-chain to distalize it and close spaces. Laser gingivectomy on #6 to level gingival heights. Small composite placed on #7.
<b>Retention:</b>	Upper: Bonded lingual retainer Lower: Bonded lingual retainer

BEFORE



AFTER





Dr. Jill Saia Pile  
Saia Smile Center  
Frontenac, KS  
[www.saiasmilecenter.com](http://www.saiasmilecenter.com)



## Treatment Summary

<b>Patient:</b>	18 year-old female
<b>Chief Concern:</b>	"I can't chew or slide my teeth to the left side because my front teeth are locked together."
	Right: Class I Left: Class I
<b>Diagnosis:</b>	Teeth #s 10, 22, and 23 are interlocked in crossbite and the patient is unable to move into left lateral excursive or protrusive movements. Deep overbite.
<b>Length of Treatment:</b>	14 months
<b>Number of Aligners Used:</b>	Upper: 20+11 Lower: 13+15
<b>Additional Treatment:</b>	Bonded #22 and #23 together so they moved as one unit, until #10 was not locked in-between. Composite was removed after crossbite was corrected.
<b>Retention:</b>	Upper: Bonded lingual retainer + Vivera® Lower: Bonded lingual retainer + Vivera®



BEFORE



AFTER







Dr. Anthony Rassouli  
Center for Oral Health  
Huntington Beach, CA  
[www.4eversmile.com](http://www.4eversmile.com)



## Treatment Summary

<b>Patient:</b>	42 year-old female
<b>Chief Concern:</b>	The patient was concerned about the crowding of her upper and lower teeth. She was also concerned about the sunken appearance of her profile and anterior teeth.
<b>Diagnosis:</b>	Right: Class II Left: Class II  Class II, division 2. Extracted #21 and #28, which were buccally displaced.
<b>Length of Treatment:</b>	20 months
<b>Number of Aligners Used:</b>	Upper: 41 Lower: 41
<b>Additional Treatment:</b>	Prior to impressions for retainers, a full ceramic crown was placed on tooth with existing RCT (#12) .
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Anthony Rassouli  
Center for Oral Health  
Huntington Beach, CA  
[www.4eversmile.com](http://www.4eversmile.com)



## Treatment Summary

<b>Patient:</b>	55 year-old female	
<b>Chief Concern:</b>	The patient was concerned about her severe upper crowding. She did not want any teeth extracted and she did not want headgear.	
<b>Diagnosis:</b>	Right:	Class II
	Left:	Class II
<b>Length of Treatment:</b>	22 months	
<b>Number of Aligners Used:</b>	Upper:	47
	Lower:	47
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Vivera® retainers
	Lower:	Bonded lingual retainer



BEFORE



AFTER







Dr. Anthony Rassouli  
Center for Oral Health  
Huntington Beach, CA  
[www.4eversmile.com](http://www.4eversmile.com)



## Treatment Summary

<b>Patient:</b>	42 year-old female
<b>Chief Concern:</b>	The patient was concerned about her anterior crossbite.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Anterior crowding and crossbite.
<b>Length of Treatment:</b>	13 months
<b>Number of Aligners Used:</b>	Upper: 20 Lower: 21
<b>Additional Treatment:</b>	Class III elastics from hooks cut into the aligners near the upper first molars and the lower cuspids.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Stephane Reinhardt  
Dental Clinic Reinhardt, Thibert & Assoc.  
Brossard, QC  
[www.cliniquerta.com](http://www.cliniquerta.com)



## Treatment Summary

<b>Patient:</b>	41 year-old male
<b>Chief Concern:</b>	The patient was worried about the wearing down of his anterior teeth. He didn't want to be "like his grandfather." He wanted to smile again.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Division 2 incisor appearance. Severe crowding, 100% overbite, and retroclined maxillary and mandibular teeth. Severe wear of anterior teeth.
<b>Length of Treatment:</b>	21 months
<b>Number of Aligners Used:</b>	Upper: 35+10 Lower: 35+10
<b>Additional Treatment:</b>	Esthetic composite build-up of the upper anterior teeth and esthetic recontouring of the upper and lower incisors.
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer



BEFORE



AFTER







Dr. Richard Schmidt  
Dentistry at 8 Nelson  
Brampton, ON  
[www.dentistryat8nelson.com](http://www.dentistryat8nelson.com)



## Treatment Summary

<b>Patient:</b>	54-old male
<b>Chief Concern:</b>	The patient did not like the crowding and appearance of his upper anterior teeth.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Moderate maxillary and mandibular crowding.
<b>Length of Treatment:</b>	24 months
<b>Number of Aligners Used:</b>	Upper: 23+7 Lower: 23+7
<b>Additional Treatment:</b>	Fabrication of an IPS e.max® crown on tooth #8 after Invisalign® treatment was completed.
<b>Retention:</b>	Upper: Bonded lingual retainer Lower: Bonded lingual retainer

BEFORE



AFTER





Dr. Benjamin Schwartz  
ProDent NY  
New York, NY  
[www.prodentny.com](http://www.prodentny.com)



## Treatment Summary

<b>Patient:</b>	22 year-old male
<b>Chief Concern:</b>	Crowding. The patient was concerned about not being able to see his side tooth when smiling.
<b>Diagnosis:</b>	Right: Class I Left: Class I  7 mm crowding in the upper arch and 9 mm crowding in the lower arch, with flaring of the anterior teeth. Palatally blocked #11. 4 mm overjet and moderate deep bite. #20 is lingually displaced and #21 and #27 are mesially inclined and retruded.
<b>Length of Treatment:</b>	18 months
<b>Number of Aligners Used:</b>	Upper: 23+27 Lower: 23+27
<b>Additional Treatment:</b>	None
<b>Retention:</b>	Upper: Last aligner Lower: Last aligner



BEFORE



AFTER







Dr. Rodrick Toms  
Dental Health Group  
Burlington, ON  
[www.dentalhealthgroup.ca](http://www.dentalhealthgroup.ca)



## Treatment Summary

<b>Patient:</b>	32 year-old female		
<b>Chief Concern:</b>	The patient was concerned about her crossbite and her crowded anterior teeth.		
<b>Diagnosis:</b>	Right:	Class I	
	Left:	Class I	
	Narrow, constricted arches with significant upper and lower anterior crowding. Teeth 1.2 and 4.2 are in crossbite.		
<b>Length of Treatment:</b>	12 months		
<b>Number of Aligners Used:</b>	Upper:	22	
	Lower:	22	
<b>Additional Treatment:</b>	None		
<b>Retention:</b>	Upper:	Vivera® retainers	
	Lower:	Vivera® retainers	

BEFORE



AFTER





Dr. Nathalie Tungesvik  
Diamond Ridge Dentistry  
Jefferson City, MO  
[www.drnathalie.com](http://www.drnathalie.com)



## Treatment Summary

<b>Patient:</b>	54 year-old female	
<b>Chief Concern:</b>	The patient wants a straight and healthy smile.	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class I
	Moderate to severe crowding. Anterior crossbite.	
<b>Length of Treatment:</b>	12 months	
<b>Number of Aligners Used:</b>	Upper:	26
	Lower:	26
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Vivera® retainers
	Lower:	Vivera® retainers

BEFORE



AFTER







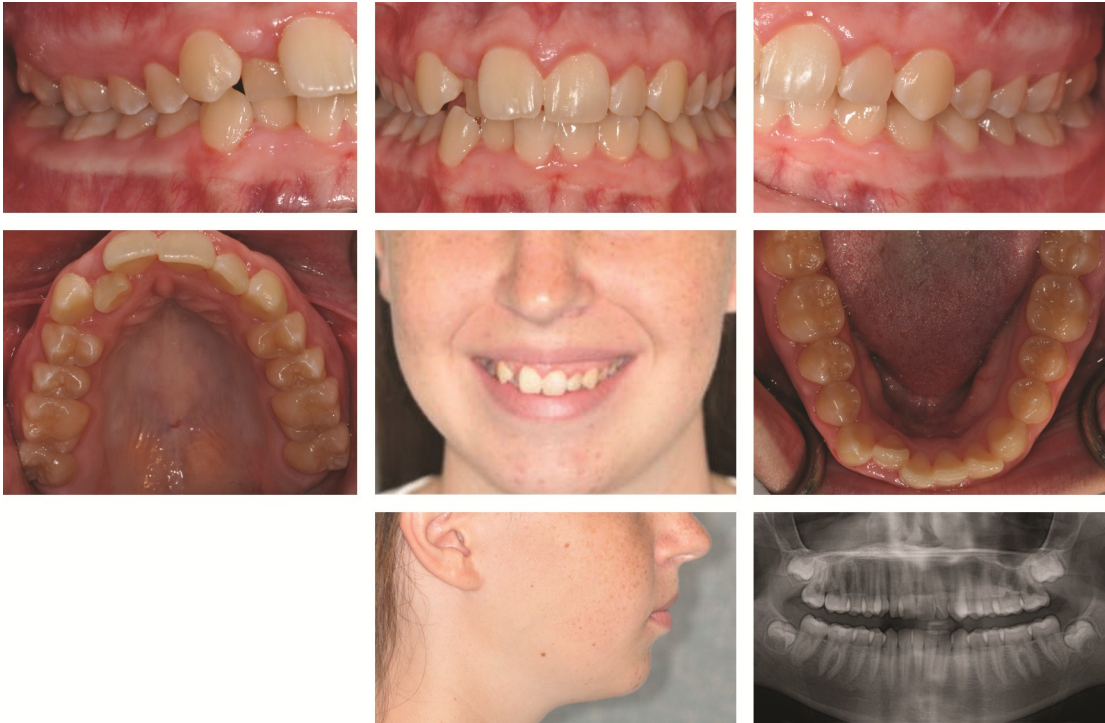
Dr. Sara Wassenaar  
Wassenaar, Frutiger, Moeggenborg DDS  
Alma, MI  
[www.smilealma.com](http://www.smilealma.com)



## Treatment Summary

<b>Patient:</b>	16 year-old female
<b>Chief Concern:</b>	"My front teeth are crowded and I hate how my smile looks."
<b>Diagnosis:</b>	Right: Class II Left: Class II  Retroclined #7 and #26.
<b>Length of Treatment:</b>	16 months
<b>Number of Aligners Used:</b>	Upper: 25+9 Lower: 24+4
<b>Additional Treatment:</b>	Class II elastics (3/16") were used from buttons on the lower first molars to precision cuts in the aligners near the upper cuspids to correct the molar and cuspid relationship. Elastic wear was started at aligner #5 and continued until the end of refinement.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER





Dr. Len Wedlich  
Island Dental Center  
Hamilton, Bermuda



## Treatment Summary

<b>Patient:</b>	31 year-old female	
<b>Chief Concern:</b>	The patient was concerned about her crowded upper and lower anterior teeth and the open bite on the right side.	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class III
	Upper lateral incisors are in crossbite.	
<b>Length of Treatment:</b>	24 months	
<b>Number of Aligners Used:</b>	Upper:	17+8
	Lower:	13+7
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Bonded lingual retainer
	Lower:	Bonded lingual retainer



BEFORE



AFTER







# Spacing Treatments



Dr. Mike Hinkle  
Utica Dental  
Tulsa, OK  
[www.uticadental.com](http://www.uticadental.com)



## Treatment Summary

<b>Patient:</b>	32 year-old female
<b>Chief Concern:</b>	The patient wanted to straighten and whiten her teeth. She also suffered from chronic TMJD and migraines, with constant noises and ear pain.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Cuspids in Class III relationship. Crossbite of #10 with #23. Anterior open bite and a moderately large spacing problem.
<b>Length of Treatment:</b>	34 months
<b>Number of Aligners Used:</b>	Upper: 39+10+20 Lower: 39+10+20
<b>Additional Treatment:</b>	Enameloplasty was done on #7 prior to starting Invisalign® treatment in order to create a more natural looking lateral incisor.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

BEFORE



AFTER







**Dr. Michael Huguet**  
Michael E. Huguet, DDS and Associates  
Pleasant Hill, CA  
[www.pleasanthillsmile.com](http://www.pleasanthillsmile.com)



## Treatment Summary

<b>Patient:</b>	47 year-old male	
<b>Chief Concern:</b>	The patient was concerned about the large gap between his upper central incisors.	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class I
	Spacing in both arches, with a diastema between #8 and #9.	
<b>Length of Treatment:</b>	10.5 months	
<b>Number of Aligners Used:</b>	Upper:	17
	Lower:	9
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Last aligner
	Lower:	Last aligner

BEFORE



AFTER





Dr. Jeremy Kurtz  
Toronto Dental Implant Centre  
Toronto, ON  
[www.torontodentalimplantcentre.com](http://www.torontodentalimplantcentre.com)



## Treatment Summary

<b>Patient:</b>	25 year-old female	
<b>Chief Concern:</b>	Big spaces between her teeth.	
<b>Diagnosis:</b>	Right:	Class I
	Left:	Class I
	Maxillary and mandibular spacing and an anterior open bite.	
<b>Length of Treatment:</b>	11 months	
<b>Number of Aligners Used:</b>	Upper:	21
	Lower:	21
<b>Additional Treatment:</b>	None	
<b>Retention:</b>	Upper:	Vivera® retainers
	Lower:	Bonded lingual retainer



BEFORE



AFTER







Dr. Robert Leach  
Dentistry, ETC  
Grand Blanc, MI  
[www.dentistryetc.com](http://www.dentistryetc.com)



## Treatment Summary

**Patient:** 43 year-old male

**Chief Concern:** "I hate the gap between my front teeth."

**Diagnosis:** Right: Class III  
Left: Class III

Premature incisal and occlusal wear. Tooth-size discrepancy with #s 7, 8, 9, 10. Nonfunctional #1. Severe clenching and bruxism habit. Transposed #11 and #12. Constricted arches. Diastema between #8 and #9. Crossbite of #9 and #10 with #22 and #23.

**Length of Treatment:** 16 months

**Number of Aligners Used:** Upper: 31  
Lower: 31

**Additional Treatment:** Conservative direct composites to repair the premature occlusal and incisal wear.

**Retention:** Upper: Essix® retainer  
Lower: Essix® retainer

BEFORE



AFTER





Dr. Daniel Noor  
New York, NY  
[www.NYCelebrityDentist.com](http://www.NYCelebrityDentist.com)



## Treatment Summary

<b>Patient:</b>	25 year-old female
<b>Chief Concern:</b>	"I really don't like all these spaces between my teeth, and my lower jaw is too far forward. I'm terrified of surgery and would never go for braces. One doctor said I have to remove several lower teeth! I would never do that with my spacing."
<b>Diagnosis:</b>	Right: Class III Left: Class III  Spacing. Anterior crossbite. Underbite causing discomfort in the anterior region. Jaw clicking and popping, frequent headaches, and migraines.
<b>Length of Treatment:</b>	26 months
<b>Number of Aligners Used:</b>	Upper: 53 Lower: 53
<b>Additional Treatment:</b>	Detailing Pliers. Class III elastics from the upper first molar to the lower canines, worn full-time.
<b>Retention:</b>	Upper: Bonded lingual retainer + Vivera® Lower: Bonded lingual retainer + Vivera®



BEFORE



AFTER







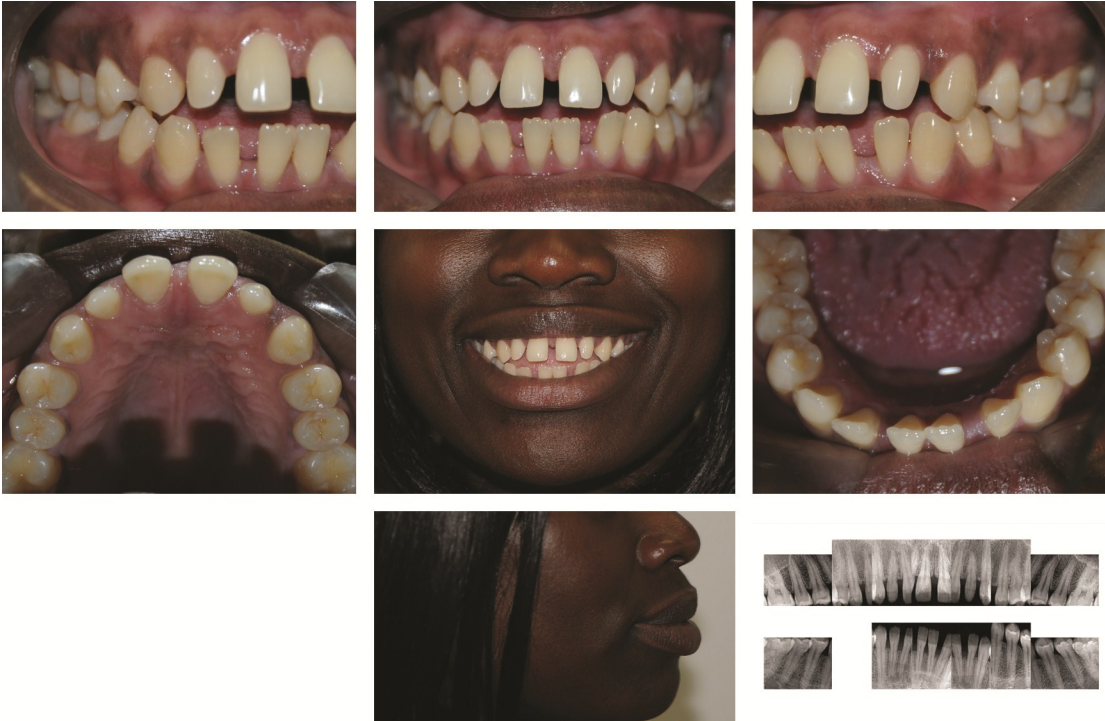
Dr. Bruno Paliani  
The Smile Dentist  
London, ON  
[www.SmileDentist.com](http://www.SmileDentist.com)



## Treatment Summary

<b>Patient:</b>	26 year-old female
<b>Chief Concern:</b>	The patient was concerned about her open bite, protruded teeth, and excessive spacing.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Upper and lower arches have severe spacing, with slightly over-erupted premolars and molars. Peg-shaped upper laterals. Open bite = 2.5-3.0 mm.
<b>Length of Treatment:</b>	Overjet = 2 mm. Tongue-thrust habit.
<b>Number of Aligners Used:</b>	9 months
<b>Additional Treatment:</b>	Upper: 26+3 Lower: 27+3
<b>Retention:</b>	Detailing pliers during refinement.  Upper: Last aligner Lower: Last aligner

BEFORE



AFTER





Dr. Anthony Ramirez  
Aesthetic & Implant Dentistry  
Brooklyn, NY  
[www.dranthonyramirez.com](http://www.dranthonyramirez.com)



## Treatment Summary

<b>Patient:</b>	33 year-old male
<b>Chief Concern:</b>	The patient was concerned about wearing and chipping of his front teeth, with spaces between multiple teeth. He wanted to improve the esthetics of his dentition.
<b>Diagnosis:</b>	Right: Class I Left: Class III  Incisal wear #s 6, 8, 9, 10, 11, 24, and 25, with fractured incisal edges on #8 and #24. Edge-to-edge anterior bite with spacing and uneven plane of occlusion. Crossbite of #s 8, 25 and 26. No overbite or overjet.
<b>Length of Treatment:</b>	7 months
<b>Number of Aligners Used:</b>	Upper: 11 Lower: 11
<b>Additional Treatment:</b>	Porcelain veneers were placed on #6-11 and #24.
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer

BEFORE



AFTER







Dr. Stephane Reinhardt  
Dental Clinic Reinhardt, Thibert & Assoc.  
Brossard, QC  
[www.cliniquerta.com](http://www.cliniquerta.com)



## Treatment Summary

<b>Patient:</b>	16 year-old male
<b>Chief Concern:</b>	The patient was lacking confidence because of the spaces between his teeth. He was sure this was the major reason why he had no girlfriend.
<b>Diagnosis:</b>	Right: Class I Left: Class I  Diastemas present in the upper and lower arch.
<b>Length of Treatment:</b>	12 months
<b>Number of Aligners Used:</b>	Upper: 20 Lower: 20
<b>Additional Treatment:</b>	None. Our patient was really happy with the results, and he had a girlfriend two months after he finished his treatment. He is still with her today.
<b>Retention:</b>	Upper: Viverra® retainers Lower: Viverra® retainers

# BEFORE



# AFTER





Dr. Stephane Reinhardt  
Dental Clinic Reinhardt, Thibert & Assoc.  
Brossard, QC  
[www.cliniquerta.com](http://www.cliniquerta.com)



## Treatment Summary

<b>Patient:</b>	25 year-old male
<b>Chief Concern:</b>	Patient wanted a third opinion because the first two doctors proposed braces with orthognathic surgery. Since he didn't have jaw problems, he was concerned that surgery could change his profile. He wasn't really open to braces.
<b>Diagnosis:</b>	Right: Class III Left: Class III  Anterior crossbite with general wear of the anterior teeth. Two impacted wisdom teeth (1.8 and 2.8), lower anterior spacing, and a temporary filling on 4.6.
<b>Length of Treatment:</b>	17 months
<b>Number of Aligners Used:</b>	Upper: 23+15 Lower: 23+15
<b>Additional Treatment:</b>	Enameloplasty of the anterior teeth.
<b>Retention:</b>	Upper: Clear retainer Lower: Clear retainer



# BEFORE



# AFTER







# Pre-Restorative Treatments



Dr. Anne Becker  
Montclair Smile Design  
Oakland, CA  
[www.montclairsmiledesign.com](http://www.montclairsmiledesign.com)



## Treatment Summary

**Patient:** 67 year-old female

**Chief Concern:** The patient was concerned about the lower left canine which was completely outside of the arch and according to her, getting worse. She was also concerned about many dark discolored teeth and her uneven smile.

**Diagnosis:** Right: Class I  
Left: Class I

Tooth #15 is missing. Tooth #22 is in crossbite. Wide arch form. Short anterior teeth that are not level. Chipped, fractured and discolored teeth. Decay present, along with failing restorations.

BEFORE



**Length of Treatment:** 16 months

**Number of Aligners Used:** Upper: 14  
Lower: 29

**Additional Treatment:** Extraction of tooth #23.



## PRE-RESTORATIVE



### Results Achieved:

The treatment goals were met by correcting the anterior crossbite of #22 and aligning the upper and lower arches for final full-mouth restorations. All decay was removed and her occlusion was restored to balanced function. The side benefit to the final outcome was a beautiful new smile which made the patient look and act 10 years younger.



**Restorations:**

Full and partial ceramic veneers placed on all teeth except #2.

**Retention:**

Upper: E-appliance removable orthotic  
Lower: E-appliance removable orthotic



Dr. Edward Camacho  
Cosmetic Dentistry of San Antonio  
San Antonio, TX  
[www.cosmeticdentistryofsa.com](http://www.cosmeticdentistryofsa.com)



## Treatment Summary

**Patient:** 35 year-old male

**Chief Concern:** The patient was concerned about a missing front tooth which he lost very early in life because of an accident. Early on, it was replaced with a flipper, but the flipper continued to break and was ultimately discontinued. Over the years, the space for tooth #8 decreased considerably.

**Diagnosis:** Right: Class I  
Left: Class I

Missing #8. Overbite = 4 mm. Overjet = 1 mm.

BEFORE



**Length of Treatment:** 13 months

**Number of Aligners Used:** Upper: 14+12  
Lower: 18+8

**Additional Treatment:** A pontic for #8 was placed in the aligner while the space was being opened.



## PRE-RESTORATIVE



### Results Achieved:

With the initial series of aligners, most of the space was regained, but the axial alignment was still off. The root tip movements were completed with refinement aligners using the new Invisalign® G4 attachments. The patient was very pleased with the results.



**Restorations:**

An implant was placed in the #8 area and restored with a Lava™ all-ceramic crown.

**Retention:**

Upper: Viverra® retainers  
Lower: Viverra® retainers



Dr. Peter S. Chang  
Roselle Dental Center  
Roselle, IL  
[www.roselledentalcare.com](http://www.roselledentalcare.com)



## Treatment Summary

**Patient:** 36 year-old male

**Chief Concern:** The patient was concerned about his smile esthetics and small upper incisors.

**Diagnosis:** Right: Class III  
Left: Class III

Peg laterals #7 and #10. Class III tendency in the right and left molar relationship. Edge-to-edge occlusion of #9 and #24. Crossbite of #7 with #27 and #10 with #22.



**Length of Treatment:** 14 months

**Number of Aligners Used:** Upper: 30  
Lower: 14

**Additional Treatment:** Detailing pliers on lower aligner #14 at the mesial-lingual area of tooth #25 to complete the rotation. Laser gingivectomy on tooth #10 to level the gingival height prior to placement of the veneers.



## PRE-RESTORATIVE



### Results Achieved:

The patient was not interested in correcting the molar relationship to Class I with orthodontic elastics, but he was very compliant with his aligner wear. It took a lot of patience on his part to wait for the veneers while the spaces around #7 and #10 increased in size during his Invisalign® treatment. However, once the veneers were cemented into place, he was ecstatic!



**Restorations:**

Porcelain veneers on teeth #7 and #10.

**Retention:**

Upper: Other clear  
Lower: Other clear



Dr. Stefanie Dolas  
Dentistry by Drs. Dolas  
Los Angeles, CA  
[www.drsdolas.com](http://www.drsdolas.com)



## Treatment Summary

**Patient:** 24 year-old male

**Chief Concern:** The patient was concerned about an unflattering smile due to wide spacing between the teeth of both arches and teeth chipping on lower anteriors due to traumatic occlusion. He was advised to have orthognathic surgery to correct his malocclusion. The patient, however, did not want traditional metal braces or jaw surgery.

**Diagnosis:** Right: Class I  
Left: Class I

Class III canine relationship. Congenitally missing #10 and peg lateral #7. Lower midline shifted to the right by 2 mm. Tooth #26 chipped due to occlusal trauma. Spacing in the upper and lower anterior region. Crossbite between #6 and #27.

BEFORE



**Length of Treatment:** 44 months

**Number of Aligners Used:** Upper: 30+8+10+14  
Lower: 30+8+10+14

**Additional Treatment:** Buttons and elastics were used during the second refinement to help diverge the roots of #9 and #11 for an implant space for #10.



## PRE-RESTORATIVE



### Results Achieved:

Both the patient and I were very happy with the results. The congenitally missing tooth ( #10 ) was replaced and all the spacing was resolved.



**Restorations:**

Implant and restoration for #10. Veneer on #7.

**Retention:**

Upper: Viverra® retainers  
Lower: Viverra® retainers



Dr. Eugene Kim  
San Diego Dental Group  
San Diego, CA  
[www.sddentalgroup.com](http://www.sddentalgroup.com)



## Treatment Summary

**Patient:** 65 year-old female

**Chief Concern:** The patient was concerned about her crowded teeth, her anterior crossbite, and a missing tooth.

**Diagnosis:** Right: Class III  
Left: Class I

Missing #30. Multiple cavities requiring restoration prior to starting orthodontic treatment. Non-occluding upper second molars with poor prognosis. Anterior crossbite with traumatic occlusion. Upper and lower crowding.

BEFORE



**Length of Treatment:** 21 months

**Number of Aligners Used:** Upper: 25+17  
Lower: 25+17

**Additional Treatment:** A pontic was placed in the aligner for #30 during the aligner treatment phase.



## PRE-RESTORATIVE



### Results Achieved:

Anterior crossbite was corrected. Crowding was resolved with IPR and arch expansion. The #30 implant was restored with good prognosis.



**Restorations:**

Implant and crown placed for #30.

**Retention:**

Upper: Viverra® retainers  
Lower: Viverra® retainers



Dr. Robert Leach  
Dentistry, ETC  
Grand Blanc, MI  
[www.dentistryetc.com](http://www.dentistryetc.com)



## Treatment Summary

**Patient:** 21 year-old male

**Chief Concern:** "Every time I smile at the girls, they turn away."

**Diagnosis:** Right: Class I  
Left: Class I

Severe crowding. Very poor periodontal health.  
Multiple extensive restorations.

BEFORE



**Length of Treatment:** 38 months

**Number of Aligners Used:** Upper: 50+27  
Lower: 50+27

**Additional Treatment:** Restorative dental work

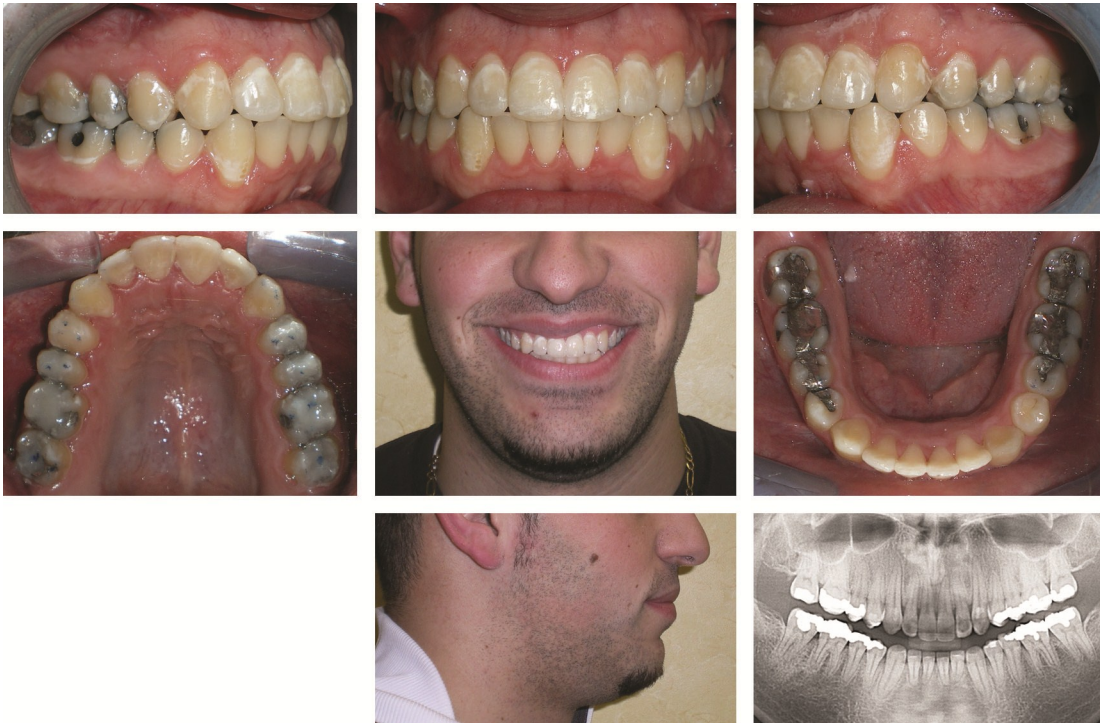


## PRE-RESTORATIVE



### Results Achieved:

Achieved catenary arch forms and symmetry. Levelled occlusal plane (curve of Spee and Wilson). Restored anterior coupling and envelope of function. Achieved golden proportion esthetics and skeletal and dental facial harmony. Optimized fit, function, stability, and esthetics. Patient can now smile with confidence and chew with comfort!



## Restorations:

Restored teeth #s 2-15 and 19 with direct composites.  
Future comprehensive prosthetic restorations on posterior teeth planned.

## Retention:

Upper: Essix® retainer  
Lower: Essix® retainer



Dr. Xianglong Li  
Dr. Xianglong Li, DDS  
New York, NY



## Treatment Summary

**Patient:** 26 year-old female

**Chief Concern:** The patient was concerned about bleeding and discomfort in the area of her implant. The patient has been embarrassed to smile openly since an accident where she lost her front tooth and broke a few others.

**Diagnosis:** Right: Class I  
Left: Class II

Failing implant #10. Fake gingiva built into #9 crown. Uneven smile, with the left side higher than the right side. Vertical gingival line discrepancy of 5 mm between tooth #8 and #9.

BEFORE

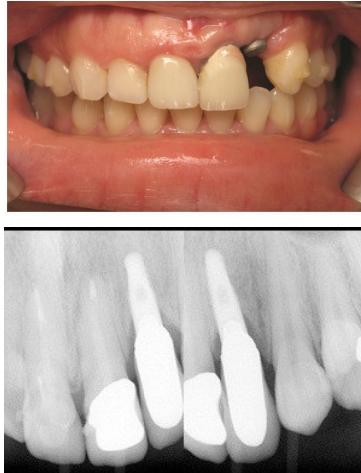


**Length of Treatment:** 18 months

**Number of Aligners Used:** Upper: 23  
Lower: 15

**Additional Treatment:** The #10 implant was removed, bone graft material placed, and a new implant placed after 6 months. Osseous surgery was performed to reshape the smile line.





**Results Achieved:**

Invisalign® aligners were used to intrude #7 and #8. #11 was extruded to the same level as #6. Crowns were placed on #s 8, 9, and 10.



**Restorations:**

Porcelain crowns on #8 and #9, and an implant + crown for #10.

**Retention:**

Upper: Last aligner  
Lower: Last aligner



Dr. Tim Muscaro  
Muscaro & Martini Dentistry  
Tampa, FL  
[www.muscaroandmartinidentistry.com](http://www.muscaroandmartinidentistry.com)



## Treatment Summary

<b>Patient:</b>	59 year-old male
<b>Chief Concern:</b>	"I want my smile to look better for my 60th birthday!"
<b>Diagnosis:</b>	Right: Class I Left: Class II

BEFORE



**Length of Treatment:** 26 months

**Number of Aligners Used:** Upper: 11+11  
Lower: 18

**Additional Treatment:** Restorative dental work.



## PRE-RESTORATIVE



### **Results Achieved:**

Diastema closure was achieved. Lower anterior crowding was eliminated. Rotations in #8 and #9 were corrected. The smile was markedly improved with the final veneers for #7-10.



**Restorations:**

Porcelain veneers for #s 7, 8, 9, and 10.

**Retention:**

Upper: Viverra® retainers  
Lower: Viverra® retainers



## 2013 SHOOTOUT WINNER SUMMIT PRESENTER

Dr. Daniel Noor

New York, NY

[www.NYCelebrityDentist.com](http://www.NYCelebrityDentist.com)



## Treatment Summary

**Patient:** 28 year-old male

**Chief Concern:** "I'm really embarrassed at social events. I went to many dentists and orthodontists who said I need extractions and jaw surgery! They told me Invisalign would never work since I have a very narrow arch and my bone will not expand at my age."

Right: Class I

Left: Class I

**Diagnosis:** Loss of normal gingival architecture in the anterior region. Periodontal pocketing of 4 to 5 mm in some areas. Extremely narrow arches, posterior crossbite, canine crossbite, and anterior open bite. Crowded lower incisors and V-shaped upper arch. Lingually-collapsed premolars.



**Length of Treatment:** 27 months

**Number of Aligners Used:** Upper: 69+10  
Lower: 69+10

**Additional Treatment:** Detailing pliers were used to level and align the incisors. A button was bonded to the upper right canine and also to the lower right first molar, with elastics used to help bring the canine into a Class I position. Deep whitening was done after the Invisalign® treatment.





**Results Achieved:**

The upper arch was expanded by about 8 mm using only the aligners and many lingual attachments. The midline shift and open bite were corrected. The buccal corridor dark space was reduced. Periodontal pockets were reduced from 5 mm to no more than 3 mm in all areas.



## Restorations:

The upper centrals were restored with composite veneers and an implant and crown placed for #14.

## Retention:

Upper: Essix® retainer for 3 months, then a bonded lingual retainer on the anterior teeth + Vivera® retainers.

Lower: Essix® retainer for 3 months, then a bonded lingual retainer on the anterior teeth + Vivera® retainers.



Dr. Stephane Reinhardt  
Dental Clinic Reinhardt, Thibert & Assoc.  
Brossard, QC  
[www.cliniquerta.com](http://www.cliniquerta.com)



## Treatment Summary

<b>Patient:</b>	22 year-old female
<b>Chief Concern:</b>	Patient doesn't like her gummy smile. She feels like her smile doesn't go with the rest of her body. She would like Invisalign® because braces are out of the question!
<b>Diagnosis:</b>	Right: Class I Left: Class I  Composites from 1.3 to 2.3 had been used to camouflage the rotations in her upper anterior teeth. All four wisdom teeth are present. Crowding. Narrow arches, gummy smile, midline discrepancy, and an occlusal cant of her upper teeth.

**BEFORE**



**Length of Treatment:** 22 months

**Number of Aligners Used:** Upper: 29+7  
Lower: 29+12

**Additional Treatment:** Crown lengthening from tooth 1.3 to 2.3.



## PRE-RESTORATIVE



### Results Achieved:

The results achieved with this case are amazing. With her new smile, she is stunning! When she walks into the office and smiles, everybody in the waiting room notices. Excellent results.



**Restorations:**

Porcelain veneers from tooth 1.3 to 2.3.

**Retention:**

Upper: Viverra® retainers  
Lower: Viverra® retainers



Dr. Gregory W. Staffon  
Staffon Dentistry  
Carlsbad, CA  
[www.staffondentistry.com](http://www.staffondentistry.com)



## Treatment Summary

**Patient:** 65 year-old male

**Chief Concern:** The patient hated his smile and the veneers that had been placed on #8 and #9 to bring them forward. The patient was worried about losing more teeth. He was told by his periodontist that the lower incisors were hopeless due to bone loss, occlusal issues, and super-eruption.

**Diagnosis:** Right: Class II  
Left: Class II

Bone loss around the lower incisors. Tooth #19 is an implant and crown. Porcelain veneers had been placed on #8 and #9 to bring them forward in his smile. 85% deep bite. Moderate-to-severe anterior crowding. Narrow and asymmetric arch form.

BEFORE



**Length of Treatment:** 20 months

**Number of Aligners Used:** Upper: 32+11  
Lower: 32+11

**Additional Treatment:** Zoom!® whitening and restorative dental work.



## PRE-RESTORATIVE



### Results Achieved:

He is now in a functional half-cusp Class II relation with no TMJ symptoms and a good range of motion. The results from the Invisalign® alone before the restorative work would have been more than acceptable to most patients, but this patient wanted the complete smile. His lower incisors are stable and healthy, with dramatically-reduced mobility before splint placement. The bone level has stabilized and his full-mouth periodontal pocketing is minimal.



## Restorations:

Composite veneers #4 and #5, porcelain veneers #6-11. E.max™ crowns placed on #12 and #13. The #19 crown was redone, and any posterior crowns with exposed margins after his previous periodontal surgery were replaced. The lower incisors were bonded to close some interproximal spaces and reshape and rebuild any worn areas.

## Retention:

Upper: Viverra® retainers  
Lower: Bonded lingual retainer

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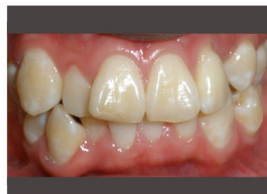
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# 2013 AWARD RECIPIENTS



## Invisalign GP Summit Shootout

July 13, 2013

The Palazzo Hotel

Las Vegas, Nevada

### SUMMIT SHOOTOUT WINNER



**Dr. Daniel Noor**

**136**

New York, NY

NYCelebrityDentist.com

### SUMMIT SHOOTOUT FINALIST



**Dr. Jean Furuyama**

**14**

Waterside Dental Care, PC

New York, NY

WatersideDDS.com

### SUMMIT SHOOTOUT FINALIST



**Dr. John A. Moore**

**42**

Cosmetic Dental Associates

San Antonio, TX

33smile.com

### SUMMIT SHOOTOUT FINALIST



**Dr. Jill Saia Pile**

**58**

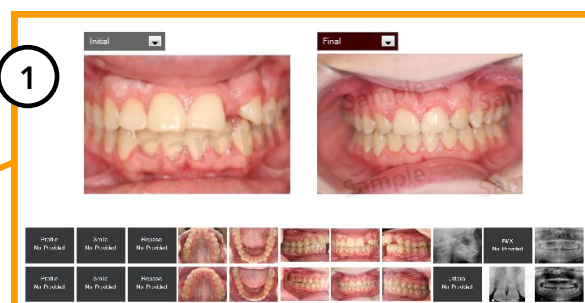
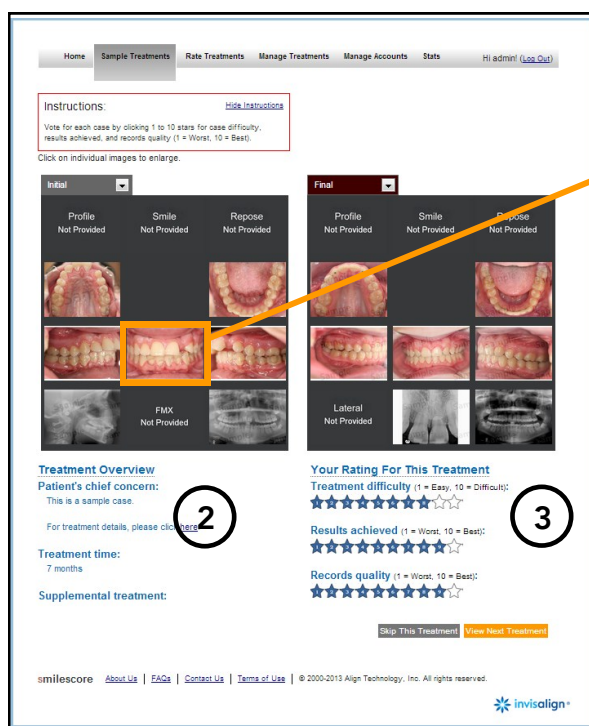
Saia Smile Center

Frontenac, KS

SaiaSmileCenter.com

# METHODOLOGY

The top treatments of the 2013 Invisalign Gallery were determined through double-blind online voting on a secure website developed by Align Technology. All records were displayed on the smilescore.com website\* with any identifiers of the patient and treating doctor concealed. An optimization algorithm presented the treatments with the fewest votes collected first, so that the number of votes received per treatment was similar. All online voting was performed by general dentists experienced with Invisalign treatment. Doctors with cases entered into the competition were ineligible to vote.



**1** Close-up and comparison views were displayed by clicking on the image of interest. With the exception of cropping and image orientation, all clinical images were displayed as originally submitted by the treating doctor. All images (including radiographs) were taken and provided at the sole discretion of the treating doctor.

**2** The treatment overview section included the patient's chief concern, the treatment time, and any additional treatment besides clear aligners (as reported by the treating doctor). Certain details about treatment such as the number of aligners used and the retention protocol were not displayed at the time of voting, but are reported in this publication.

**3** Scores were captured on a scale of 1 (worst) to 10 (best). The composite score for each treatment was a combination of the treatment difficulty (40%), the results achieved (40%), and the records quality (20%). Only one score per treatment could be submitted per voter. To prevent selective voting, skipped cases could not be revisited. Skipped cases were not counted towards the average composite score calculated for each submission.

\*Special thanks to Dr. Perry Jones for providing sample treatments to display on www.smilescore.com.

## METHODOLOGY

- Entries for publication consideration (195 total) were submitted by general dentists covered by Align Technology's North American Sales Team, and included submissions into the Invisalign Summit Shootout competition along with submissions for book publication consideration only.
- Each entry was screened by an independent clinical review committee. Committee members were eligible to submit entries, but could not vote on their own case(s). All reviewers were blinded to the identities of both the treating doctor and the patient. The top sixty cases from the initial screening process were included in the 2013 Invisalign Gallery and advanced as semi-finalists to the online voting phase of the program.
- Invitations for online voting were sent via email to general dentists experienced with Invisalign treatment who were not registered to attend the 2013 Invisalign Summit. From the 18,468 email invitations sent, 347 general dentists participated in the online voting process, with 4,753 votes received during a three-week voting window. All voting was voluntary, anonymous, and double-blind. Doctors who were also semi-finalists were ineligible to vote. Treatments were presented on the voting website at random, with a distribution optimization algorithm used to ensure a similar number of votes received per treatment.
- The four Invisalign Summit Shootout finalists were determined based on the highest average composite score received, on a scale of 1.0 (worst) to 10.0 (best). Composite scores were calculated based on treatment difficulty (40%), results achieved (40%), and records quality (20%). The Summit Shootout winner was determined by attendees at the Invisalign Summit continuing education event (July 11-14, 2013).
- Written patient and doctor consent (including parental consent where applicable) was received for all the treatments presented in this book.
- Every effort was made to accurately represent the treatment details as reported by the treating doctor. The categorization of each submission was based solely on the treating doctor's assessment of the patient's condition. With the exception of cropping/orientation, background extensions to fit the layout, and adjustments to color and contrast, all clinical images in this publication are presented as submitted.
- Doctors who provided optional study models in addition to their submitted photographs and radiographs were compensated in the amount of up to \$300 for the doctor and up to \$50 for the patient.
- Full program details can be found at [www.invisaligngallery.com](http://www.invisaligngallery.com).



# INVISALIGN GALLERY TEAM

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## **Publication Layout/Design**

Emily Horne  
Sonya Matov  
Dr. Kelly Weikert

## **Records Collection Lead**

Sherri Wilson

## **Records Collection Support**

Steve Boardman

## **Technical Lead**

Queency Lee

## **Graphics/Artwork**

Christopher Carter

## **Software Developers**

Scott Bowers  
George Huang  
Kevin Mah

## **Project Support**

Kimberly Holmes

## **Statistical Verification**

Larry Lai, PhD

## **Event Coordinators**

Leila Carlson  
Kiersten Gaffney  
Shannon Henderson

## **Regulatory/Legal Compliance**

Scott Meggs  
K Royal

## **Editor**

Dr. Eric Kuo

# CLINICAL REVIEW COMMITTEE

## **Dr. David Galler**

Private Practice, General Dentistry - New York, NY  
DMD - University of Pennsylvania School of Dental Medicine  
Member - ADA, President of AACO  
Speaker - Aligntech Institute and Invisalign National Summit

## **Dr. Mike Hinkle**

Private Practice, General Dentistry - Tulsa, OK  
DDS - University of Oklahoma College of Dentistry  
Member - ADA, ODA, Tulsa County Dental Society, IAO  
Speaker - East and West Coast Invisalign Forum

## **Dr. Robert J. Howard**

Private Practice, General Dentistry - Troy, AL  
DMD - University of Alabama School of Dentistry  
Member - ADA, Alabama Dental Association, AACO, AGD, Pankey  
Foundation Alumnus, Pankey Foundation Class One Triple Plus Club

## **Dr. Robert Leach**

Private Practice, General Dentistry - Grand Blanc, MI  
DDS - University of Michigan School of Dentistry  
Member - American Equilibration Society, AACO (board of directors),  
Vedder Prosthodontic Society, American Academy of Oral and  
Maxillofacial Surgeons (Implant Conference Associate Member),  
Michigan Invisalign Study Club  
Speaker - Aligntech Institute, Invisalign "Ask the Expert"

## **Dr. Ben Miraglia**

Private Practice, General Dentistry - Mt. Cisco, NY  
DDS - SUNY Buffalo School of Dental Medicine  
Member - AACO, ADA, AGD, IAO  
Speaker - Aligntech Institute, United States Dental Institute

## **Dr. Catherine M. Sherry**

Private Practice, General Dentistry - Yukon, OK  
DDS - University of Oklahoma College of Dentistry  
Member - ADA, ODA, IAO, AACO







