

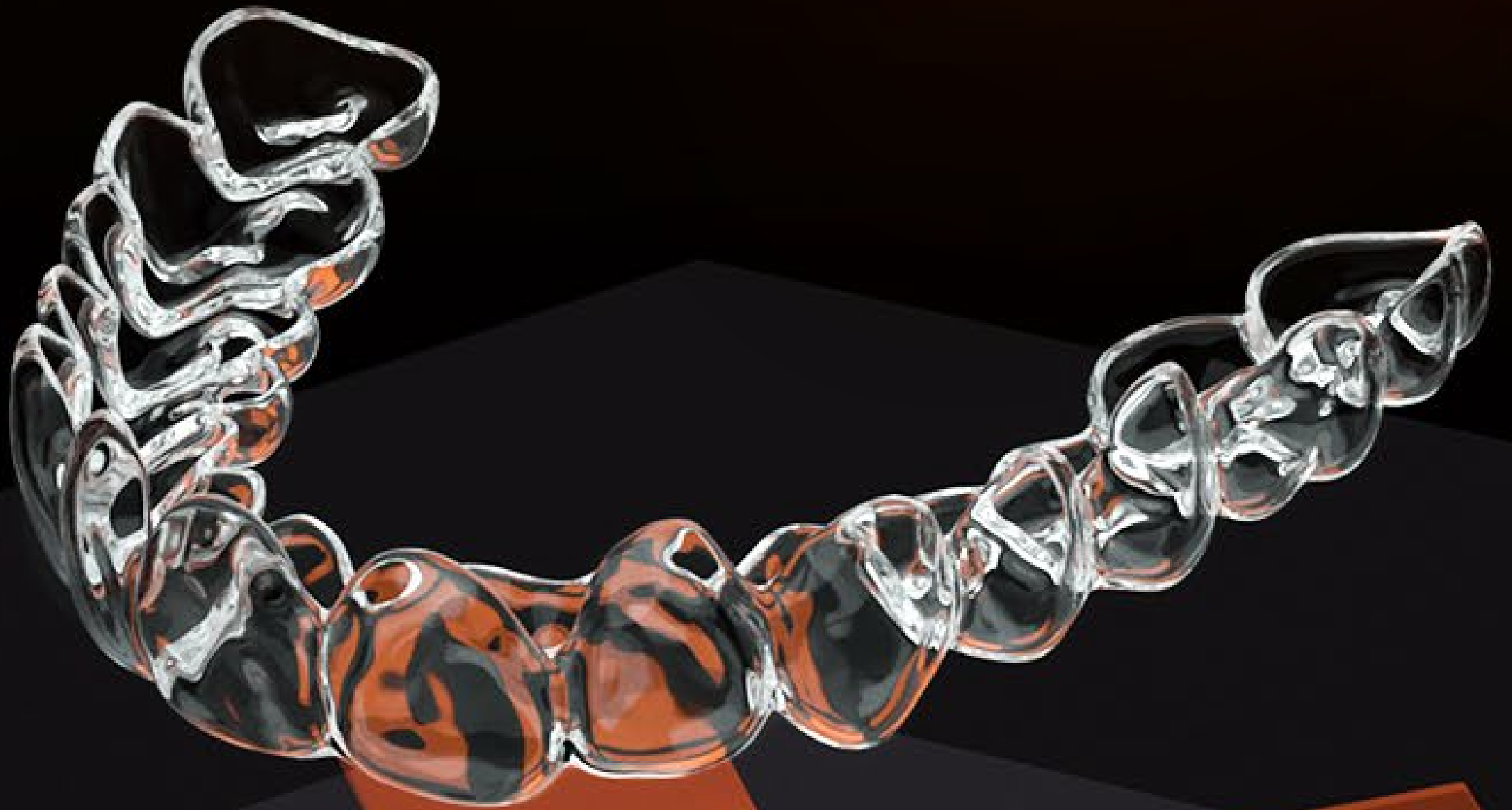
4D Aligner™

First SMART Clear Aligner



4D Aligner™ Case Library

A New Orthodontic Ecosystem



**Predictive
Tooth Movement**

**Advanced
Biomechanics**

**Less or No
Attachments**

**ActiveMemory™
Polymer**

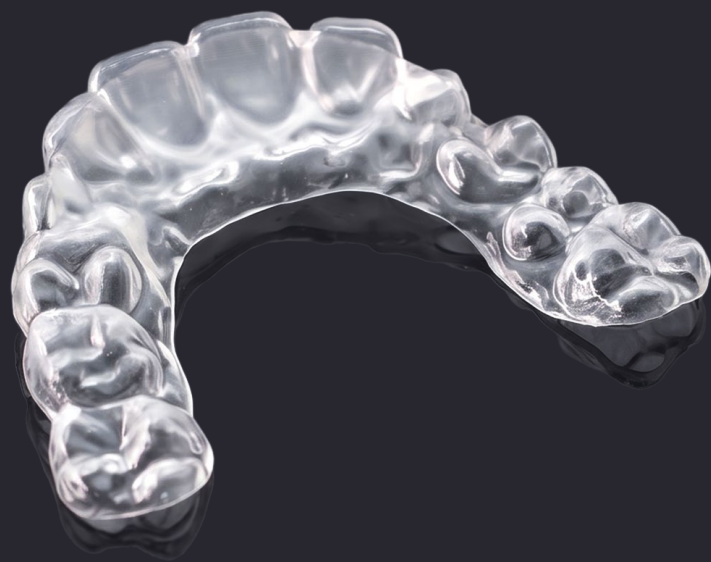
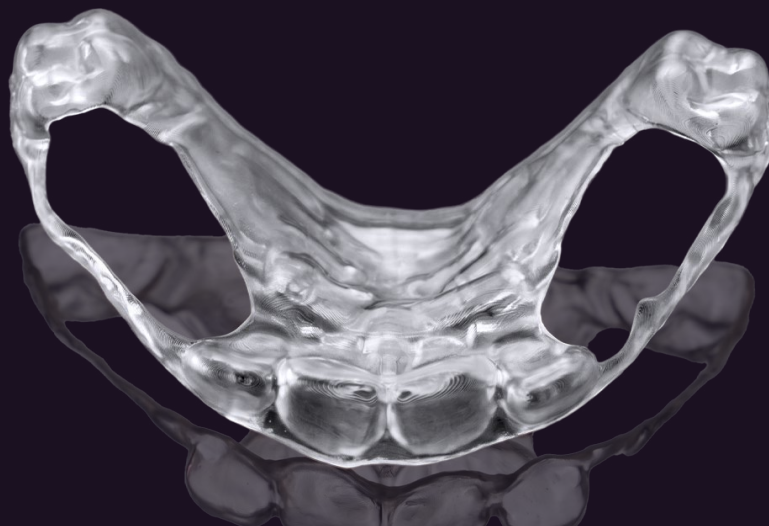
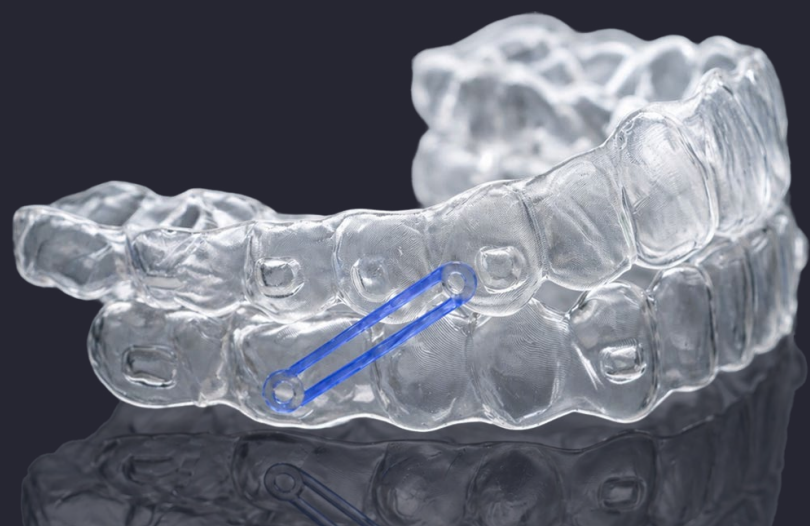


SPECIAL DESIGNS

Powered by
4D Aligner™

Only with Direct-Print

Pushing the Limits of
Orthodontic Treatment
Forward





Twin Blocks

“Class II skeletal orthodontic correction device for growing patients.”

Twin Blocks

Indication

- Class II/III Skeletal
- Growing Patients
- Functional Correction

Design

- Digital controlled shape, coverage and vertical opening.
- Vertical opening specified independently of AP advancement

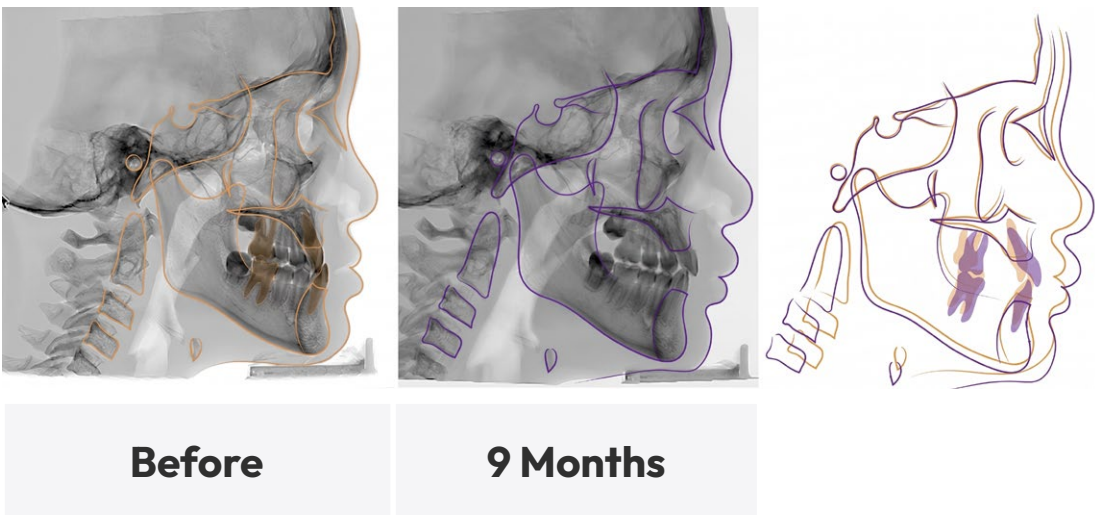
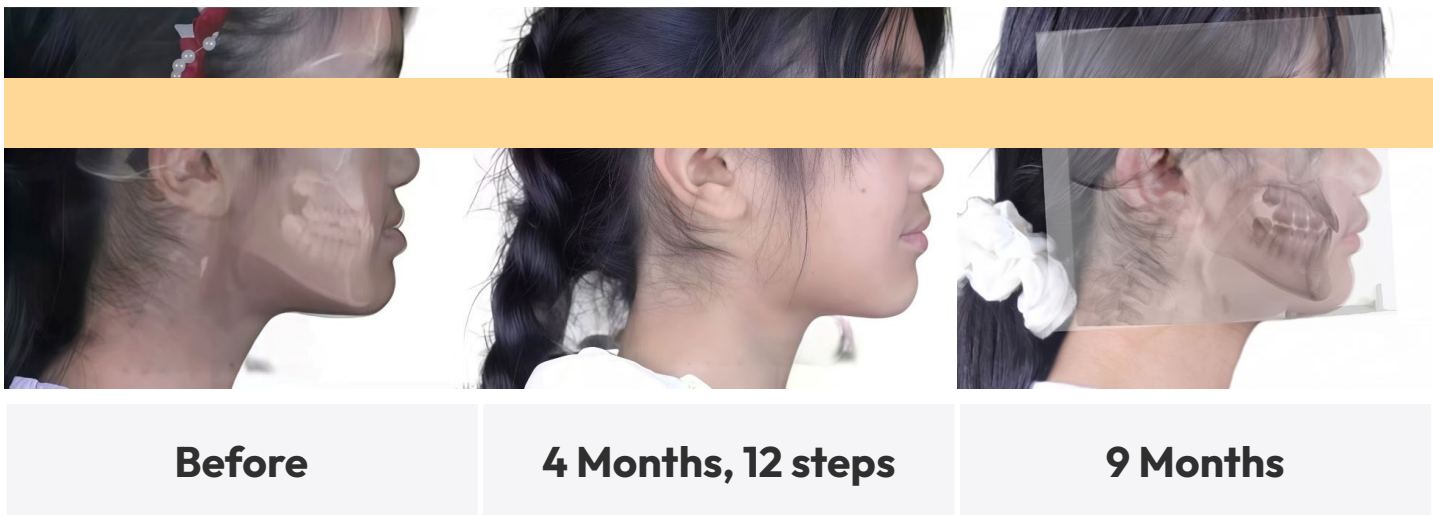
Advantage

- No acrylic fabrication variability
- No rescan or remake needed
- Improved patient comfort

How it works in Clinic?

Class III, Mixed Dentition case from Dr. Pin Huang, DDS
Yabeikang Dental.

Facial profile change. Mandibular advancement.



Direct-printed hook
Solid twin block



Occlusal Cutouts

“End of treatment settling for mixed dentition in growing patients.”

Occlusal Cutouts

Indication

- Mixed Dentition
- Growing Patients

Design

- Precise cutout for eruption opening
- Targeted coverage alignment
- Multi-thickness reinforcement

Advantage

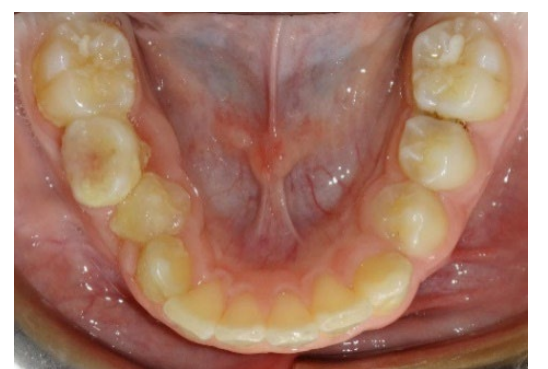
- Superior space maintenance
- Step-by-step path guidance

How it works in Clinic?

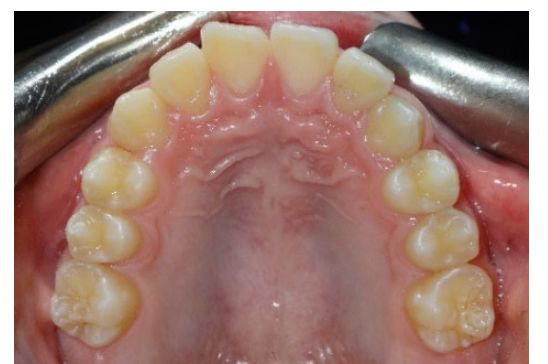
(Eruption guide + solid bite plane)

Overjet and Crooked Teeth case from Dr. Michelle Y. Chou, DDS, DMSc
Charming Smile Orthodontics.

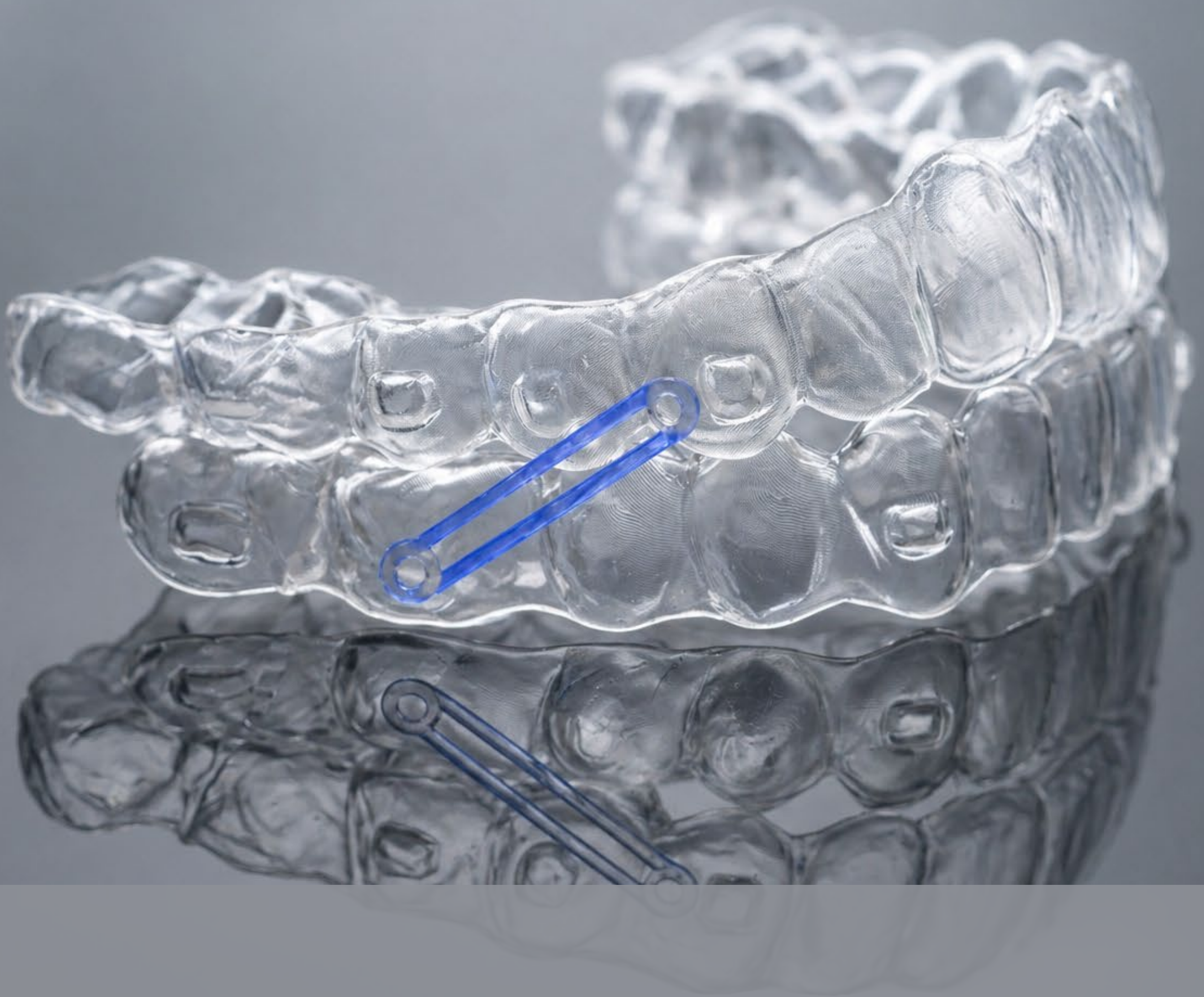
Correct bite while opening the heavy posterior occlusion, allowing teeth eruption.



Before Treatment



After 14 months



Buttons and Hooks

“Anchorage reinforcement for AP correction in open bite and deep bite.”

Buttons & Hooks

Indication

- Class I / II / III
- Deep Curve of Spee
- Sequential Distalization

Design

- Direct-to-surface tooth integration
- Customized position, shape and size
- TAD-free molar intrusion

Advantage

- No manual bonding/debonding
- Zero risk of button fall-offs
- Smart transverse control

How it Revolutionizes Your Practice

Both cases from Dr. Kelvin Wen-Chung Chang, DDS, MS
Breeze Dental Center.

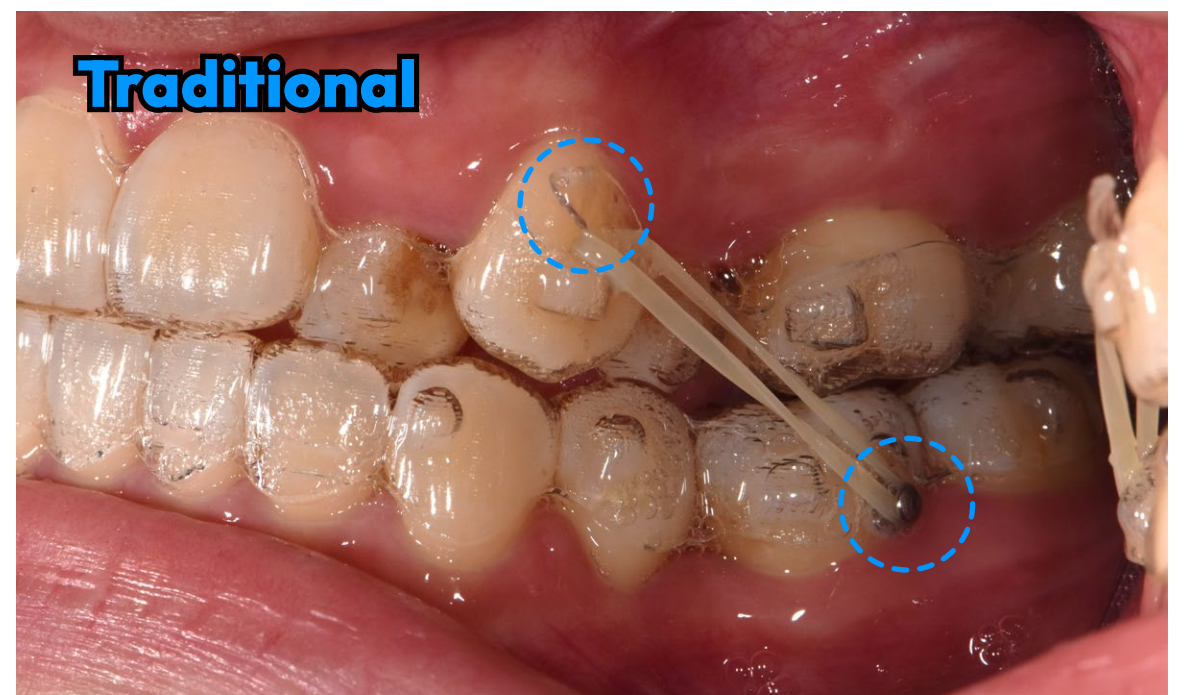
Advanced



Direct-Printed Buttons, closer to occlusal surface to reduce the unwanted side-effect caused by vertical component

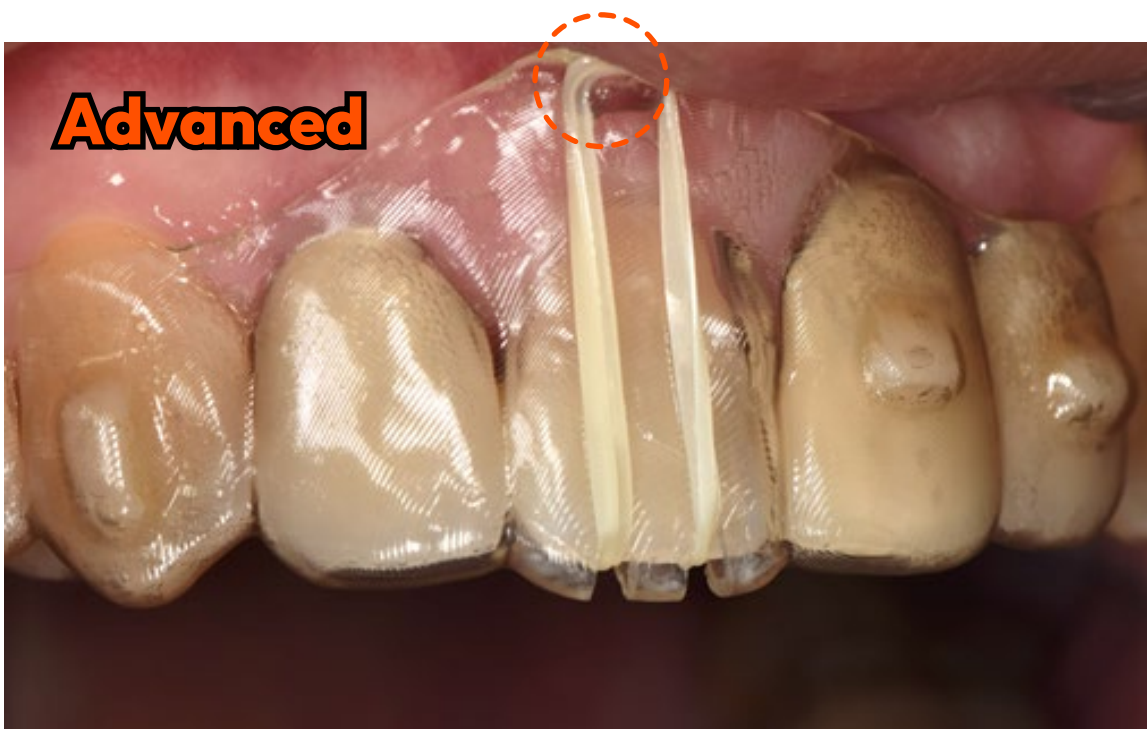
VS

Traditional



Conventional design, limited to edge, leading to unwanted vertical movement

Advanced



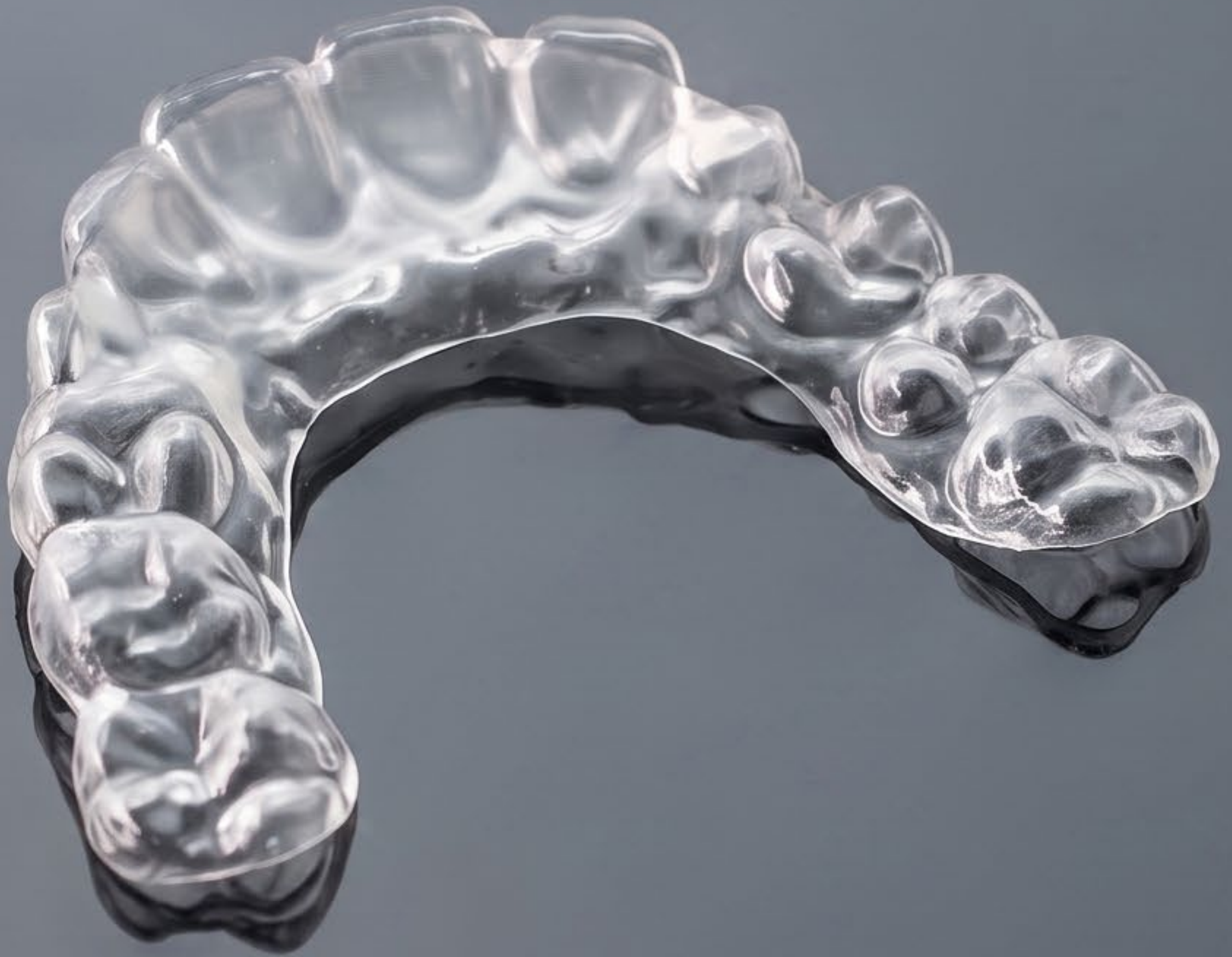
Direct-Printed Buttons, no pain or bleeding, use grooves to maximize elastic traction efficiency

VS

Traditional



Conventional TADs, time consuming and bad patient experience



Bite Plane

“Class II deep bite correction device for posterior extrusion.”

Bite Plane

Indication

- Deep Bite
- Class II
- Posterior Extrusion Required

Design

- Digital controlled shape, coverage and vertical opening.
- Independent AP and vertical axes control

Advantage

- Zero manual modification
- Auto-updating ramp allowed
- Interference-free molar extrusion

How it works in Clinic?

From Dr. Yanhong Zhu, DDS, Clinical Director of Orthodontics at Care Dental



Before

**After 3 months
(12 steps)**



Before

**After 3 months
(12 steps)**



Mandibular Advancement Ramp

**“Class II functional correction device for
growing patients.”**

Mandibular Advancement Ramp

Indication

- Class I / II / III
- Anterior Open Bite
- Crossbite

Design

- Progressively variable thickness
- Anatomical occlusal shape
- Targeted coverage

Advantage

- Digitally tailored solid
- No flattening
- No collapse

How it works in Clinic?

Posterior Crossbite case from Dr. Jia-Hong Alex Lin, DDS, MS
EG Dental.



Before Treatment



**After Treatment
(10 months)**



Pontic

“Space maintenance for pre-implant planning and settlement.”

Pontic

Indication

- Missing Teeth
- Space Maintenance
- Pre-Implant Planning

Design

- Solid-printed pontic allowed
- Adjustable thickness and interproximal gaps

Advantage

- Prevention of “Rollercoaster Effect”
- Active space maintenance
- Instant aesthetic restoration

How it works in Clinic?



Before Treatment



Deep bite, worn dentition case from
Dr. Kelvin Chang,
DDS, MS,
Breeze Dental Center.



After Treatment



4DBright™



Before Treatment



Immediately with 4D Bright™

Missing teeth case from
Dr. Jia-Hong Alex Lin,
DDS, MS,
EG Dental.

LuxCreo | Simplify Digital Dentistry

+1 (650) 336-0888 | www.LuxCreo.com

Marketing@LuxCreo.com

350 W. Ontario Street, Suite 700, Chicago, IL 60654

