

Smile Elements

Case-Report

Fall 2010

NON-EXTRACTION/ NON-SURGICAL ORTHODONTIC TREATMENT

Inside This Issue

- 1 Class III Non-extraction & Non-surgical Treatment
- 2 Class II Non-extraction Treatment

Class III, Severe Crowding, Severe constriction
16yrs old
Tx duration: 24 months

Before

After



Constricted upper arch
Narrow smile arc
Deficient maxilla



Deficient Maxilla
Flat Mid-Face
Protrusive lower lip

Deficient Maxilla



*Severe Upper arch
constriction
Bilateral posterior
crossbite*



*Constricted upper arch
Severe maxillary
crowding*



*Normal lower arch
width*



*Negative Overjet
Anterior and Posterior
crossbites*



Treatment Philosophy:

- Non-extraction treatment
- Non-surgical treatment
- Upper arch expansion

Treatment Mechanics:

- Vertical bracket positioning to improve smile arc
- Early disclusion of the bite with early light inter-arch elastics
- Low friction self-ligating mechanics



Class II, Severe Crowding, Severe constriction
16yrs old
Tx duration: 17 months

Before

After

Narrow Smile line
Midface deficiency



Retrusive lips
Prominent nose and chin





Severe upper arch crowding
Midline discrepancy



Severe upper arch crowding
Upper arch constriction
Rotated molars
Buccally displaced cuspids



Constricted inter-premolar width



*Retroclined upper and
lower anteriors
Class II molars
Class II cuspids
Poor intercuspation*



Treatment Philosophy:

- Non-extraction treatment to avoid further flattening of the lips
- Upper arch development
- Space regaining

Treatment Mechanics:

- Vertical bracket positioning to improve smile arch and incisal display
- Early disclusion of the bite with early light class II elastics
- Space regaining for teeth 13 and 23
- Low friction self-ligating mechanics

