CASE PRESENTATION

Provided by a General Dentist
from
Red Deer, Alberta
Class III Full Tooth
Jazlyn: 6 years of age

- Class III full tooth
- Missing upper laterals
- Primary dentition
Concerns & Complications

**Patient/Parents Concerns:**

- Crossbite
- Poor Profile

**Complications:**

- Class III growth pattern
- Family history of Class III
- Large Frenum
- Congenitally missing Mx laterals
Class III Full Tooth
Jazlyn: 6 years of age
Class III Full Tooth
Jazlyn: 6 years of age

Why wait for permanent teeth to erupt for future surgery & orthodontics?
Pre-Treatment X-rays
Class III Full Tooth

Jazlyn: 6 years of age

Class III - midface deficiency
Treatment provided by a General Dentist

**Phase I (8 months) Started March 2004:**
Class III Mx Sagittal with Facemask & 8 ounce elastics

**Phase II (8 months) Started October 2004:**
Mx Fixed Banded Bean appliance with Facemask

**Frenectomy performed on July 2005**
Possible future Md 2nd molar replacement to slow Md growth
Possible future surgery may be eliminated with further Tx
Phase I - Class III Mx Sagittal with Class III Facemask Hooks
Compliance

Initially, mom would let patient remove appliance for meals
Phase I Mx Class III Sagittal In Mouth
Pre & Post Phase I
Sagittal treatment

pre-tx 020404

mid-tx post removable appl. pre fixed appliance
Phase II

revers pull face crib

upper fixed bean appl with face mask hooks
Phase II - Bean Fixed Appliance with Class III Facemask Hooks
Phase II - Bean Fixed Appliance with Class III Facemask Hooks

Large frenum with low attachment
Pre & Current

pre-tx 020404

post frenectomy 072705
Pre & Current
Pre & Current

pre-tx 020404

post frenectomy 072705

post upper frenectomy 072705
Pre & Current

pre-tx 020404

post frenectomy 072705
Further Treatment

• Comprehensive treatment and implants for upper laterals

• Advise family she may require future surgery for class III

• Over correct in order to try to avoid any surgery for class III

• Advise mom that possible extraction of lower 2nd molars in the future to slow mandibular growth.
Dr. Merle D. Bean
Pediatric Dentist

Pioneer of the Reverse Pull Facemask in North America
Correction of a severe Class III malocclusion.

Dr. Merle Bean’s techniques are still being taught today!
Class III Treatment

• Take a family history

• Begin treatment as early as age 4 or in the early mixed dentition.

• Studies show that lower 1st or 2nd molar replacement will slow down the growth of the mandible as taught by Dr. Jim Evans, former Department Head of Orthodontics at Loyola University in Chicago

• NEVER remove upper 2nd molars in a class III case.
Bean Bonded Hyrax with hooks for Extraoral Facemask

- Class III facemask with hooks soldered from the buccal wire pointing distally to the laterals or distal to the cuspids.

- Elastic instructions are supplied with the facemask.