Prevalence of Skeletal Openbite

6.6% among African-Americans
2.9% among Caucasians and
2.1% among Hispanic-Americans

NHANES III epidemiological study of 7000 children (ages 8 to 17)
the incidence of open bite

Lecture outline:

- Differential Diagnosis in Openbites
- Treatment Options Based on Two Diagnostic Evaluations

Lecture outline:

- Differential Diagnosis
  Dental Openbites
  Skeletal Openbites
  Combination Dental & Skeletal Openbites

- Differential Diagnosis
  1. Upper Incisor Exposure
  2. Lower Facial Height
  1 + 2

- Differential Diagnosis
  1. Upper Incisor Exposure
  - Should we Move the Anterior teeth vertically to close the Openbite?
  
  AND / OR

  2. Lower Facial Height
  - Should we Move Posterior Teeth Vertically to close the Openbite?
- Differential Diagnosis

1. Upper and lower incisor Exposure

Move the Anterior teeth vertically to close the Openbite?

2. Lower Facial Height

Move the Posterior teeth vertically to close the Openbite?

- Differential Diagnosis

1. Upper Incisor Exposure

Extrude Upper Incisors

2. Lower Facial Height

BEFORE

AFTER

- Differential Diagnosis?

1. Upper Incisor Exposure

2. Lower Facial Height

- Differential Diagnosis

1. Upper Incisor Exposure

Increased

Intrude Posterior Teeth
- Differential Diagnosis

1. Upper Incisor Exposure

BEFORE

AFTER

2. Lower Facial Height

Increased Intrude Posterior Teeth

Increased Intrude Anterior Teeth

2.5 years Post Treatment

Initial
- Differential Diagnosis?

1. Upper Incisor Exposure

   - Extrude Upper Incisors
     - BEFORE
     - AFTER

2. Lower Facial Height

- Differential Diagnosis

1. Upper and lower incisor Exposure

   - Intrude Anterior Teeth
     - Increased

2. Lower Facial Height

   - Intrude Posterior Teeth
     - Increased
- Differential Diagnosis

1. Upper Incisor Exposure
   Before
   After

2. Lower Facial Height
   Increased

- Differential Diagnosis

1. Upper Incisor Exposure

2. Lower Facial Height
   Intrude Posterior Teeth
   Mandibular Growth Modification

Deniz 14y
Openbite

Combining Herbst with TADs

Nour Tarraf & M. Ali Darendeliler
Deniz 14y

Initial End of Intrusion End of Treatment

Initial

End of Treatment

2 years post Treatment

Deniz 14y

Initial End of Treatment 2 Years Post-Treatment

- Differential Diagnosis
  1. Upper Incisor Exposure
  2. Lower Facial Height

BEFORE

AFTER

Increased

C. M.
8 JUN 2012
- Differential Diagnosis?

1. Upper Incisor Exposure

2. Lower Facial Height
   - Increased Intrude Posterior Teeth
     - Le Fort I Rotation
     - Mandibular Advancement and Genioplasty

Dr. Peter Tsakiris, Maxillo-Facial Surgeon
1. Upper Incisor Exposure
2. Lower Facial Height

TAKE HOME MESSAGE:
- Differential Diagnosis in Openbites
  - Dental Openbites
  - Skeletal Openbites
  - Combination Dental & Skeletal Openbites
- Treatment Options Based on
  - Upper and lower incisor Exposure
  - Lower Facial Height

Thank you
Management of Openbites
M. Ali Darendeliler
Discipline of Orthodontics