

Esthetic Treatment Planning

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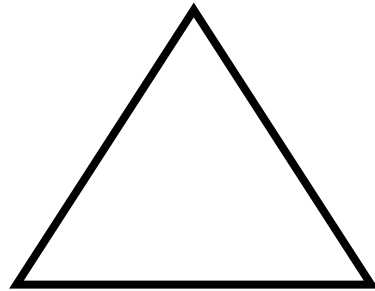
**Thank you for
attending this lecture.**

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Facial Analysis



Anterior Smile

Posterior Smile

Facial Analysis

Treatment Alternatives

Orthognathic surgery

Diagnosis

Retrognathic

Prognathic

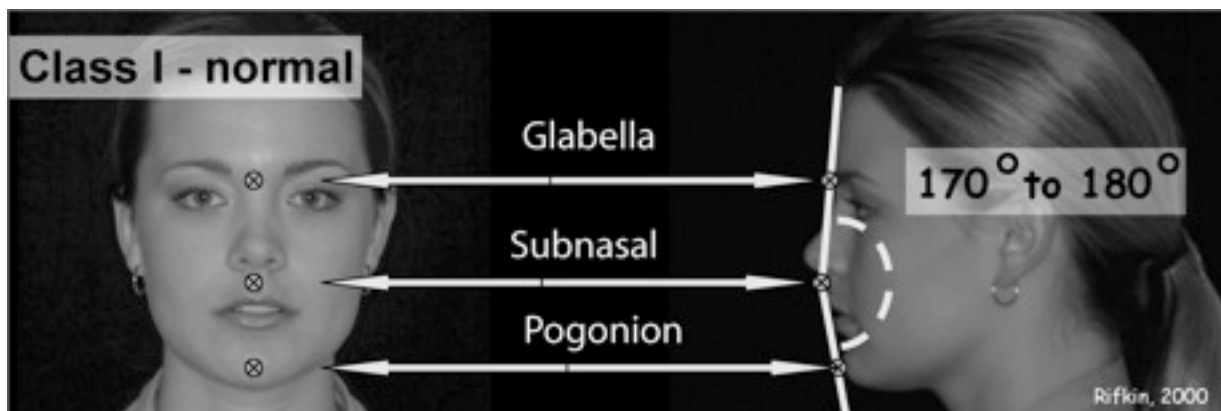
Mid-face deficient

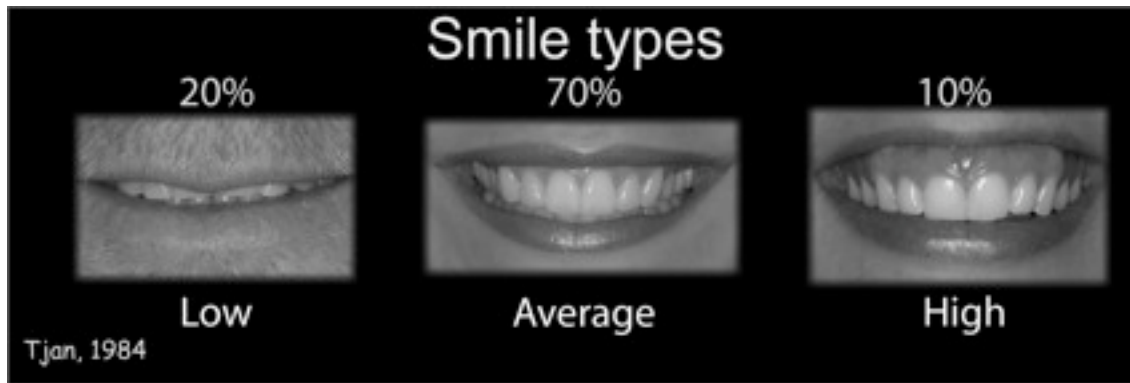
Long lower 1/3 face

Start Outside

What's the skeletal profile?

What is the lip dynamic?





Analysis of the Gummy Smile

Six basic reasons for the gummy smile:

- Anterior over eruption
- Wear with compensatory eruption
- Altered passive eruption
- Short upper lip
- Vertical maxillary excess
- Hyper-mobile lip

Required photos:

- Full face lips at rest
- Full face profile lips at rest
- Exaggerated "E" position

These reasons can be better organized in two categories:

- Facial/lip related
 - Short upper lip
 - Vertical maxillary excess
 - Hyper-mobile lip
- Dental related
 - Anterior over eruption
 - Wear with compensatory eruption
 - Altered passive eruption

Rule out dentally related reasons first. Ask three questions:

- Is there excess wear?
- Does the anterior gingival plane consistent with the posterior gingival plane?
- Is the width to length ratio of anterior teeth normal?

Short upper lip

Commissure and philtrum heights will differ 3 mm or greater
Interlabial space greater than 5 mm

Vertical maxillary excess

Interlabial space greater than 5 mm
Long lower 1/3 of face in comparison to middle and upper independently

Hyper-mobile lip

Commissure and philtrum heights will have less than 3 mm difference
Interlabial space less than 5 mm

Anterior Smile:

Are the upper incisors edges in the right position?
Are the upper incisors the correct proportion?

Treatment Alternatives:

Restore
Reposition (ortho)
Reshape
Surgery

Diagnosis:

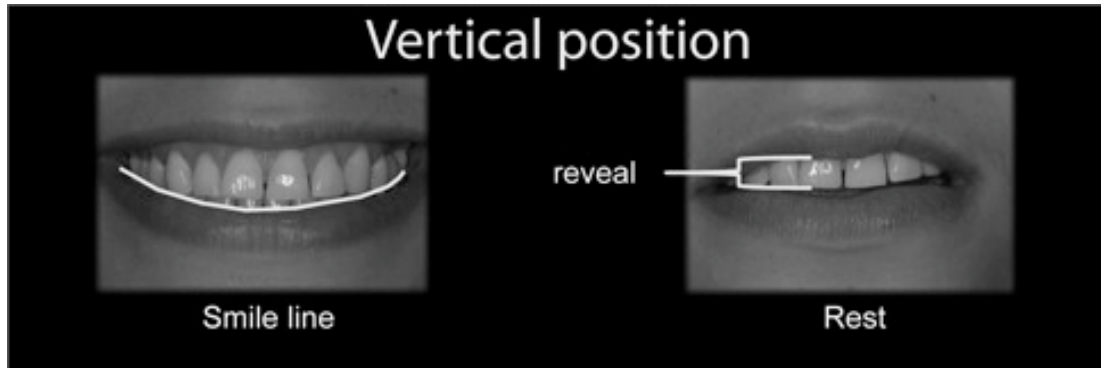
Upper incisor inclination
Upper incisor edge position
Width to Length ratio/Gingival levels

Are the incisor edges in the right position?

Check Horizontally
Check Vertically

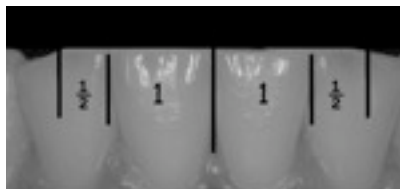
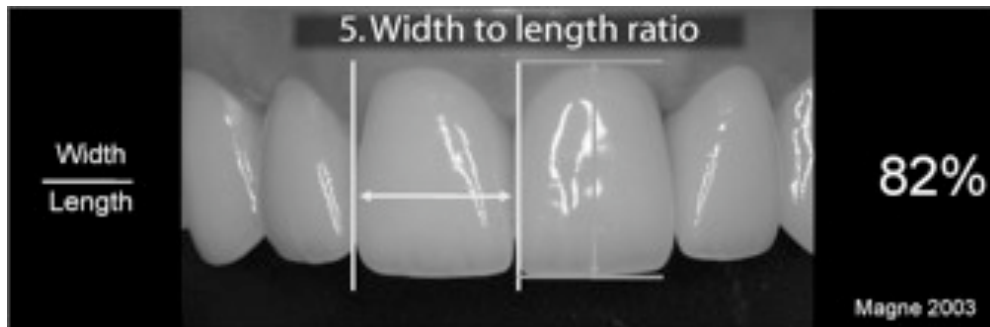
Neutral zone determines tooth position

Supported by upper lip
Determined by lower lip
Too far forward
Too far back
Too long
Too short
Vertical Position (*see image below*)



Right proportions:

- Check width to length ratio



Width / Length = 82%
 $100 / 82 \times \text{width} = \text{The length of the tooth}$
 $1.22 \times \text{width} = \text{The length of the tooth}$
 $1 \frac{1}{2} \text{ Mandibular central incisor} = \text{Maxillary central incisor}$

Posterior Smile

Is the buccal corridor deficient?
Is there a gingival step?