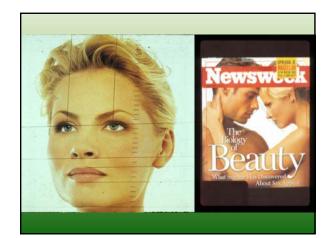


Division of Orthodontics School of Dental and Oral Surgery Columbia University





Esthetics

✤ A branch of philosophy that gives way to science

ESTHETICS

- ✤ A Study of Beauty
- ✤ Application of Beauty and its Psychological Response

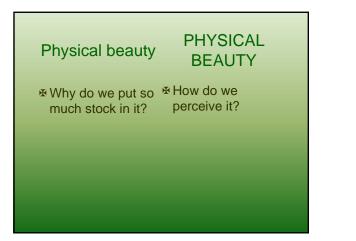
Notion of beauty

- ✤ Transcends Culture
- ✤ Rest on bedrock of shared preferences

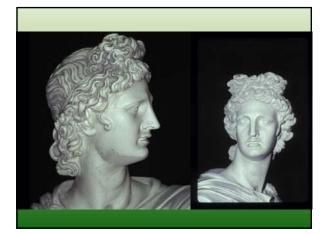
LOCAL

FASHIONS









Judgement Of Beauty

- ✤ Observation of another
- ✤ Do you want your children to carry his/her genes?

JUDGEMENT OF BEAUTY

- Visceral attention to small variations
 - & Size
 - ✤ Symmetry of facial bones
 - Body weight
 Body weight
 Body
 Solution
 Solutio

Mr. Right

- ✤ Ideal face for a woman varies according to menstrual cycle stages
- ✤ Likely to conceive receptive to rugged masculine features
- Unlikely to conceive smoother more feminine features

Stages of Cycle

- ✤ When likely to conceive prefer men with rugged masculine features
- ✤ When unlikely to conceive prefer men with smoother more feminine features

Control Group

- No change in hormonal cycle
- No variation over course of month
- Preferred more feminine men

Reasons

- ✤ From biologic point of view, masculinity is great for lower species females.
- ✤ Bright feathers big horns etc. in males
 = Good genes
- ✤ Opposite in humans, children take longer to raise stability and supportiveness.

Fling Vs. Long Haul

- ✤ Fling varied according to cycle stage large gap between high and low fertility times masculine versus feminine
- ✤ Long haul consistent throughout cycle tended to be moderately feminine



Average faces

✤ More pleasing than faces with features that deviate from the norm



Extremely beautiful people

- ★ Share exceptional qualities
 ★ Body symmetry
 ★ Facial symmetry
 ★ Average-ness
- FEATURES OF ATTRACTIVENESS
- ✤ Large Eyes✤ High Cheekbones
- ✤ Narrow Jaw







Ideal male faces

- ✤ Broad forehead
- ✤ Prominent brow and cheekbones
- ▲ Large jaw and strong chin



Ideal female face

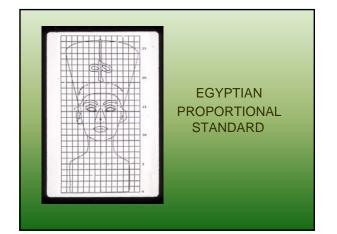
- ✤ Forehead higher than average
 ✤ Fuller lips
- ✤ Funct nps✤ Shorter jaw
- ✤ Smaller chin and nose













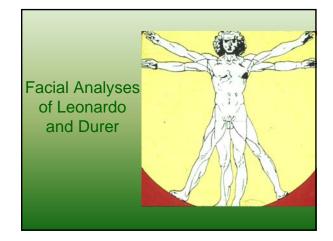




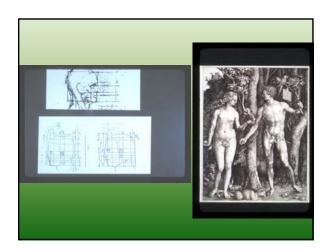
















Profile analysis lines

- ✤ Holdaway- H Line

- Merrifield- Profile
 Line, Z angle

Burstone line

Holdaway H-Line

- ✤ Soft tissue subnasale- soft tissue pogonion
- ✤ Upper lip- Soft Tissue Pogonion

Ricketts E-Line

✤ Tip of nose- soft tissue pogonion

✤ Soft Tissue Pogonian-Center Shape Curve Between tip of nose and

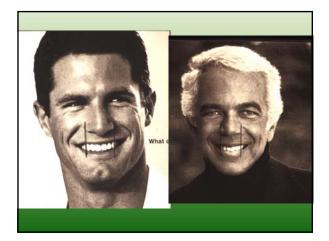
Steiner S-Line

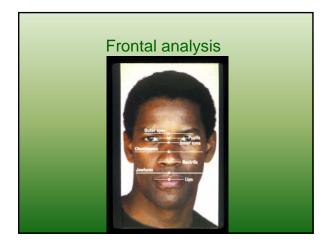
Subnasale

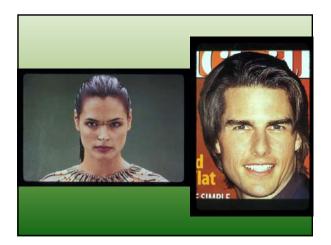
Sushner S' LineMerrifield -
Profile Line, Z
Angle★ Soft Tissue
Nasion- Soft
Tissue Pogonion★ Profile Line-
Soft Tissue Pog-
Most Prominent Lip
★ Z Angle-
Frankfort Horizontal
- Profile Line

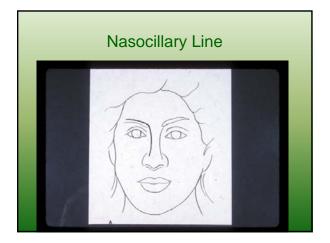












Nasal Length

 ✤ Length from Nasion to Nasal Tip
 ✤ Should be Approximately 1.5 Times Width at

Midline

A Vertical line
 Drawn through the
 Forehead, Nose,
 Upper Lip
 (columnella),
 Dental Midline
 and Chin that
 Divides the Face
 in Hair



Facial Thirds

 ✤ Face Horizontally Divided Into
 Thirds with Lines
 Drawn at Hairline,
 Eyebrows, Base
 of Nose and Chin



Lower face third

- ✤ 1/3 from base of nose to where lips meet
- ✤ 2/3 from where lips meet to bottom of chin



Ala base

Width of Nose at Nostrils Equals one Eye Width



Rule of fifths

✤ Perfect Face Width is Five Times the Width of One Eye



Width of the mouth

✤ Should Equal the distance between the Limbus of the Eyes





Frankfort Horizontal (1)

A Line from the top of the External Auditory Canal to the Infraorbital Rim



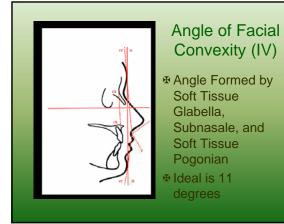
"O" Meridian (II)

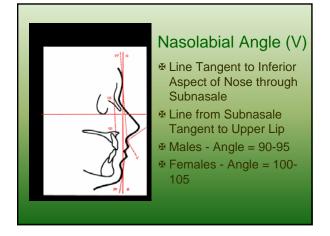
- ✤ Gonzales- Iloa Line
- A Line from Soft Tissue Nasion
 Perpendicular to
 Frankfort Horizontal
 Soft Tissue Poroion-
- 0 ± 3 mm to line

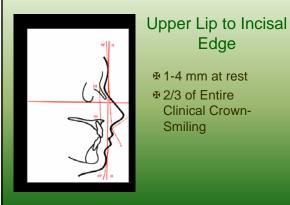


Maxillary Depth (III)

✤ Perpendicular to Frankfort Plane that connects N and A = O







Interlabial gap

Upper Lip

№ 0-3 mm when the Males- 22 mm lips are relaxed ✤ Females- 20 mm

Harmonic Equation

Facial analysis with the golden proportion

- ✤ Beauty lies in Proportion ✤ Ideal or Standard is needed
- ✤ Best Order is found at the Peak of the Curve
- ✤ Biology is the Same for all Races
- ✤ Locate the Most Treatable Dysplasia





25 YEAR OLD **Facial features FEMALE** ✤ We obsess over Abundant lips of a the ones which 14 year old diverge in males ✤ Delicate jaw of an and females at 11 year old puberty ✤ Relatively prominent eyes and cheekbones

