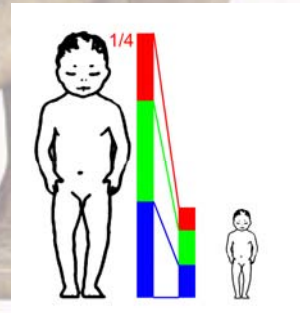
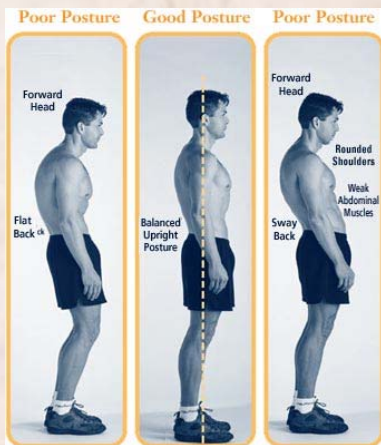


# Antropologie živého člověka

## Úvod do antropologie II

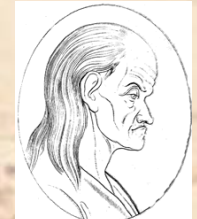
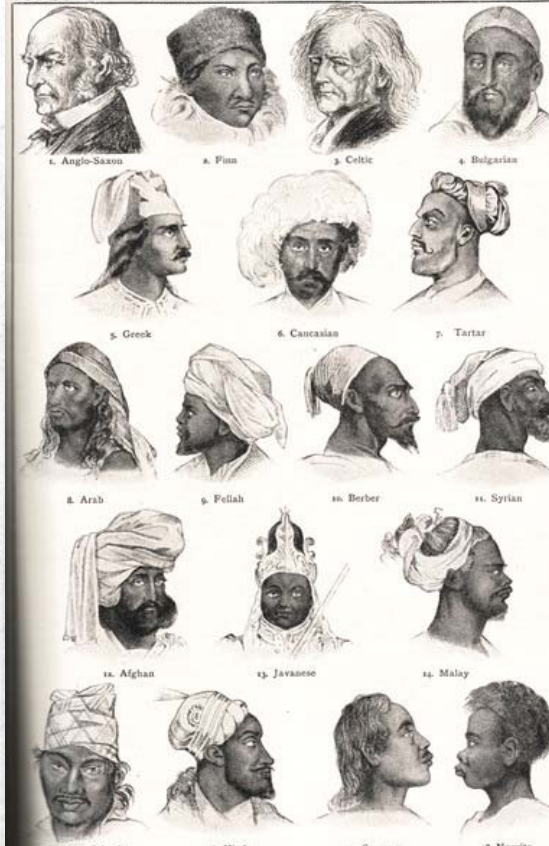
14.4.2011





GORDON UNDER MEDICAL INSPECTION.

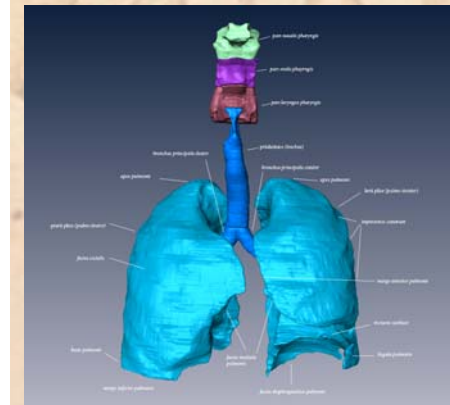
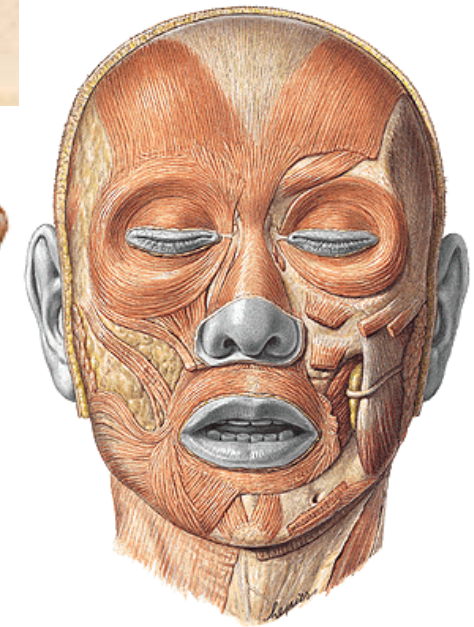
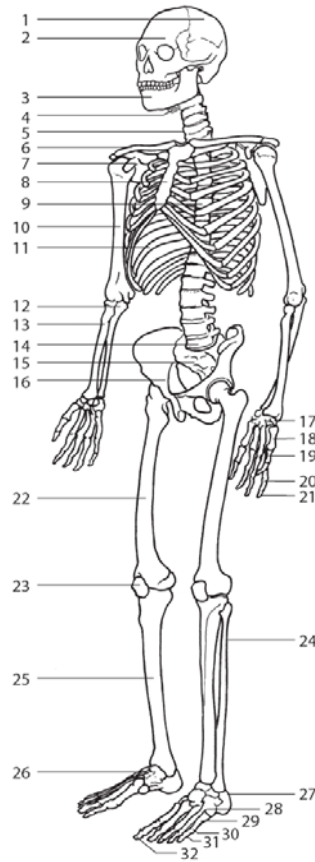
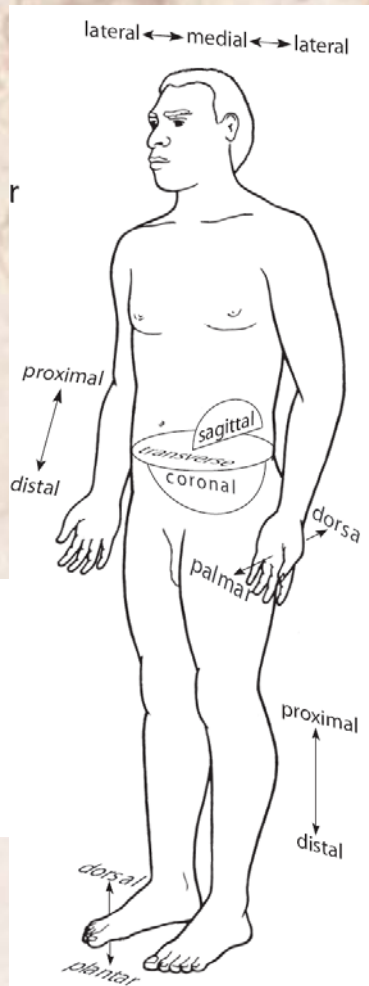
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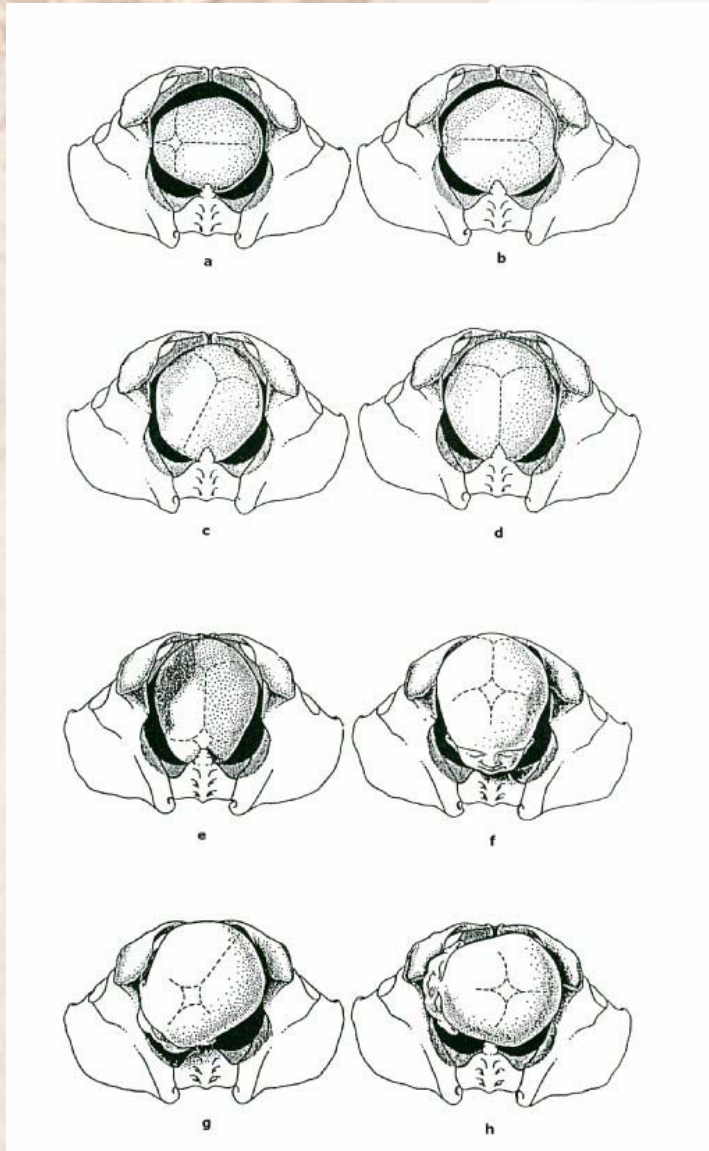
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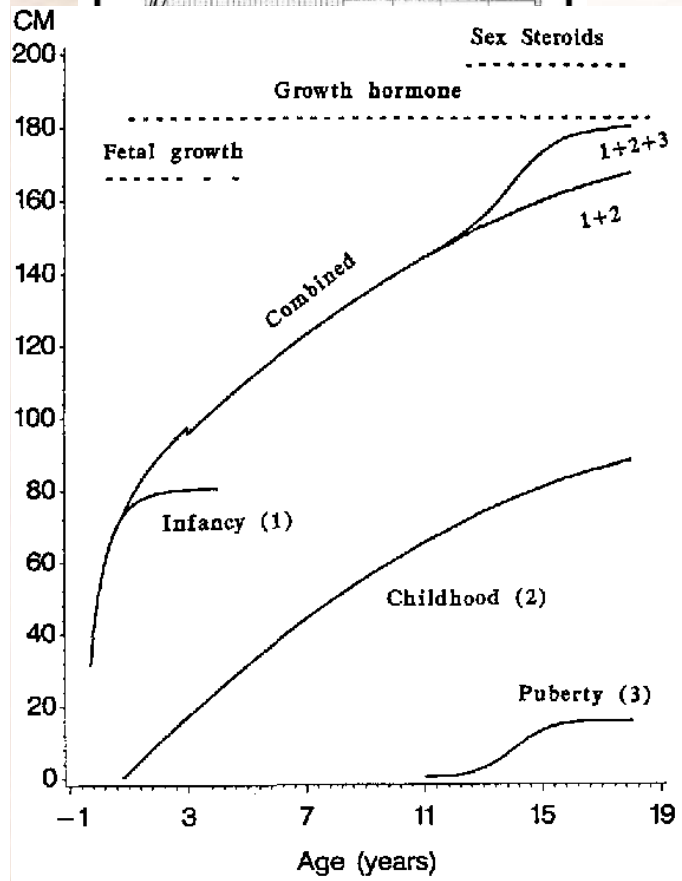
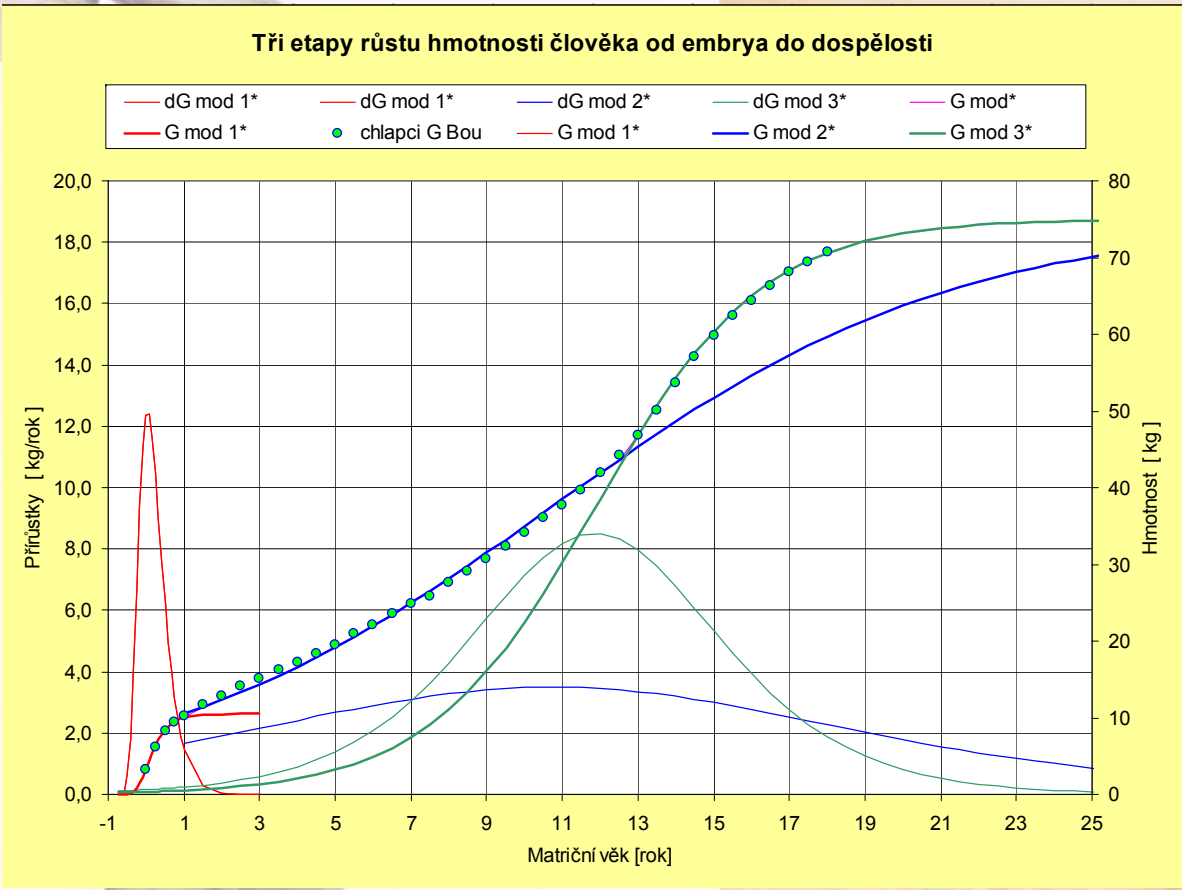
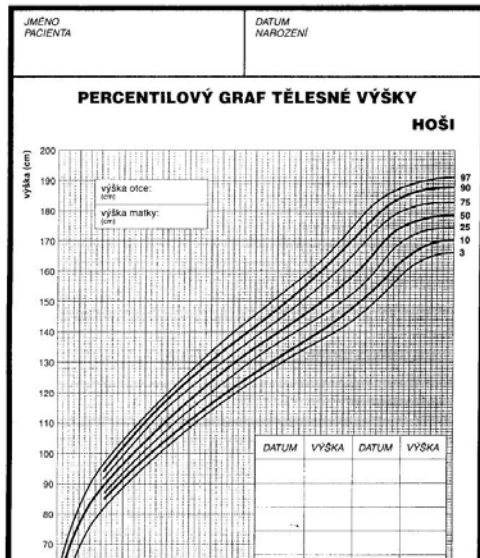


# Anatomie lidského těla



# Vývojová antropologie





Biological age test quiz tool calculator questionnaire, real age, body age, true age - Windows Internet Explorer

http://www.growyouthful.com/quiz.php

## GROW YOUTHFUL

Live Younger, Longer

Home | Biological Age Tests | BMI | David Niven MBER | eBook | Tips | Contact | Search

### What is your biological age? How fast are you aging?

Here are two free biological age tests. The long quiz will estimate your body's real or true age. The short quiz will show you if you are aging quickly or aging slowly. Together, they provide an estimate of your life expectancy and the likelihood of your having a healthy fully functional body in your later years

To answer a question like "Delicate skin, bruises easily?" or "crows feet around your eyes", compare your skin to the perfect skin of a healthy young person

The **long Real Age Test** (140 questions) estimates your biological age in years

The **short Rate of Aging Calculator** (14 questions) estimates how fast you are ageing, given your outlook and lifestyle

height  cm  inches? (inches only, not feet)

weight  kg  pounds? (not stone)

Age

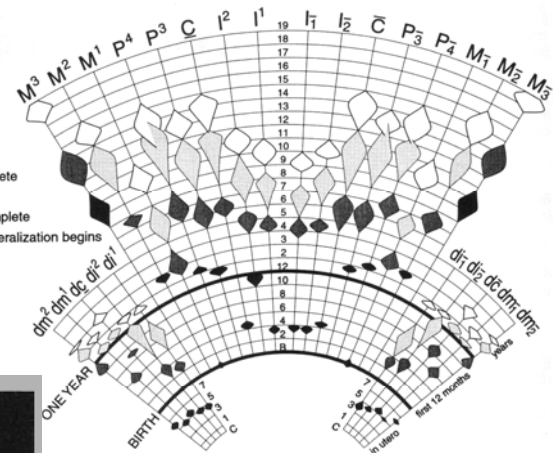
gender  Male  Female?

Short or Long Test?  Short  Long?

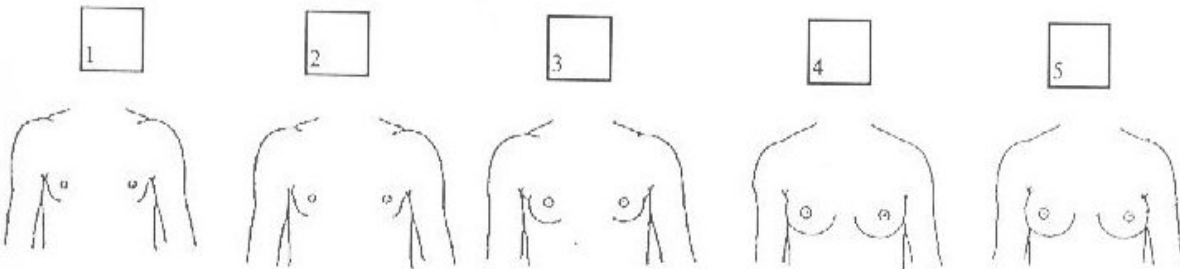
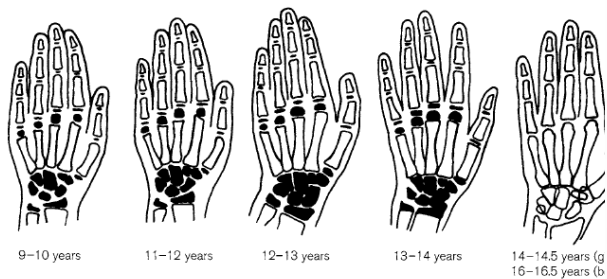
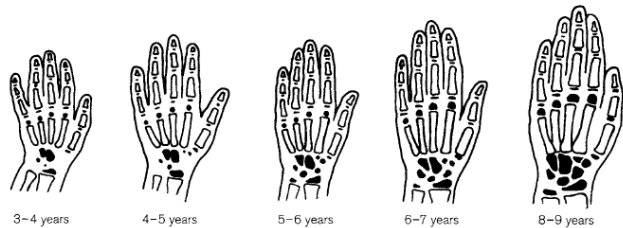
First Name

Email address to send test results to:

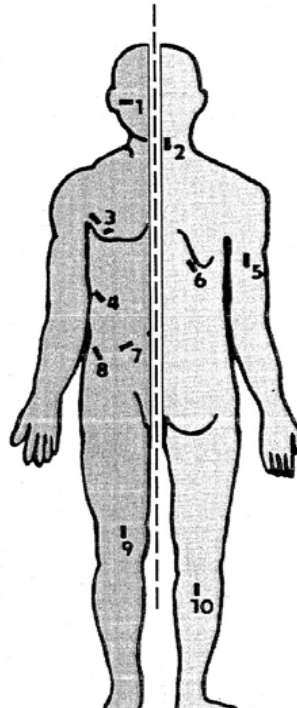
Subscribe to expert's tips on slowing your aging?



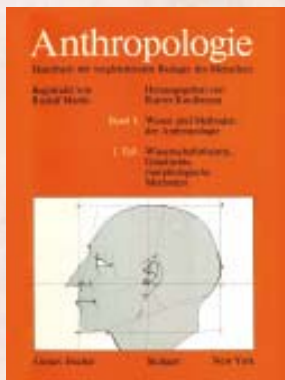
variation in the timing of dental development, based on Gustafson with third molar data from Anderson *et al.* (1976). Range values are one standard deviation for the third molars. Patterns: black, eruption begins; dark gray, crown completion; light gray, eruption, eruption.



# Antropometrie



- 1 TVÁŘ
- 2 KRK
- 3 HRUDNÍK 1
- 4 HRUDNÍK 2
- 5 PAŽE
- 6 ZÁDA
- 7 BŘICHO
- 8 BOK
- 9 STEHNO
- 10 LÝTKO

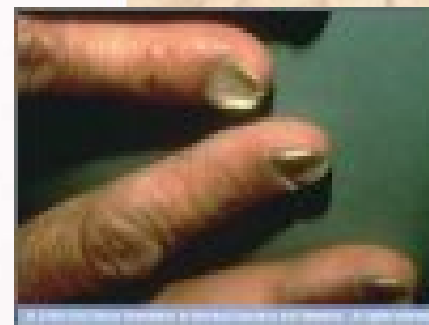
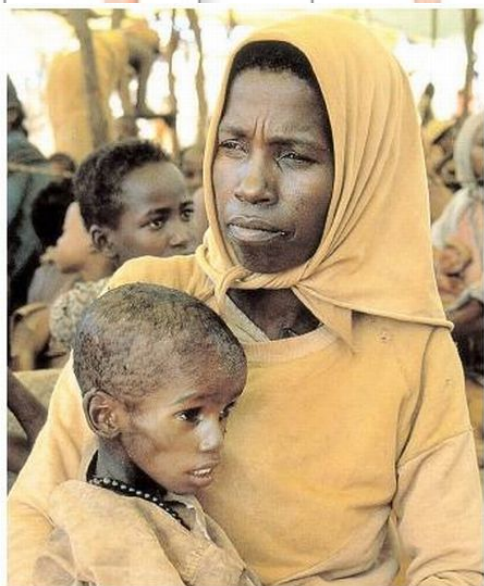


# Hodnocení výživového stavu

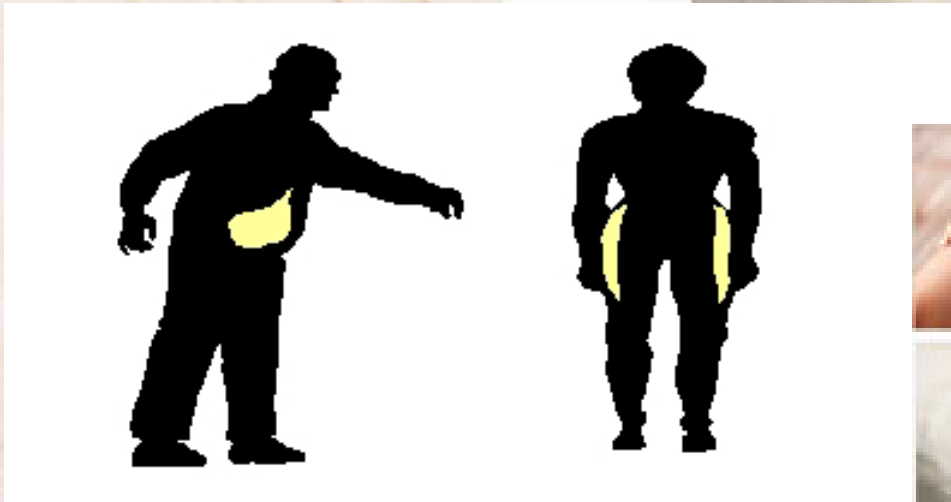
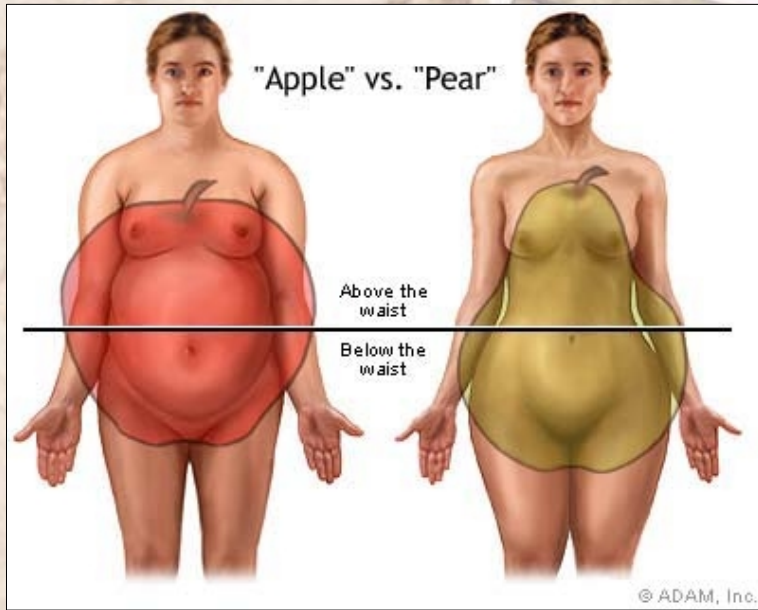
Normal



Kwashiorkor





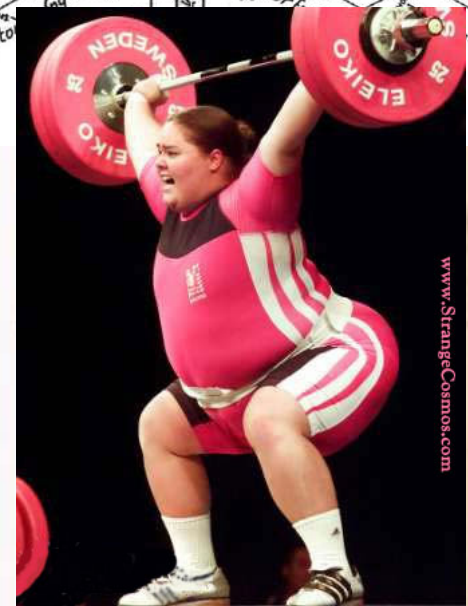
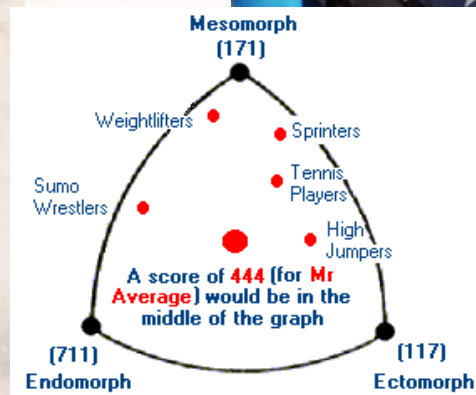
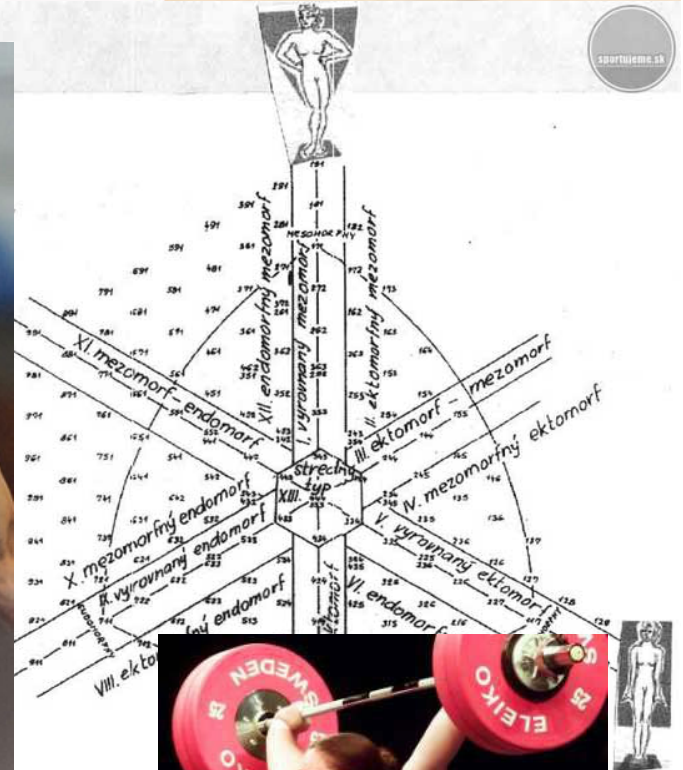
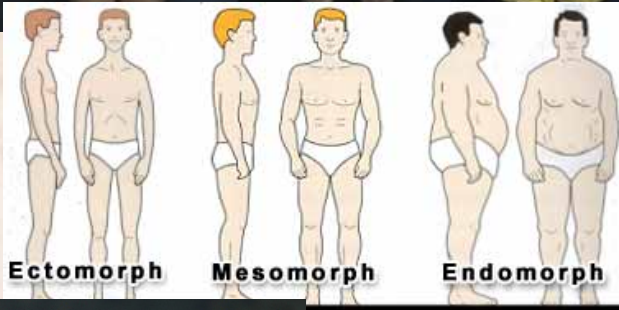




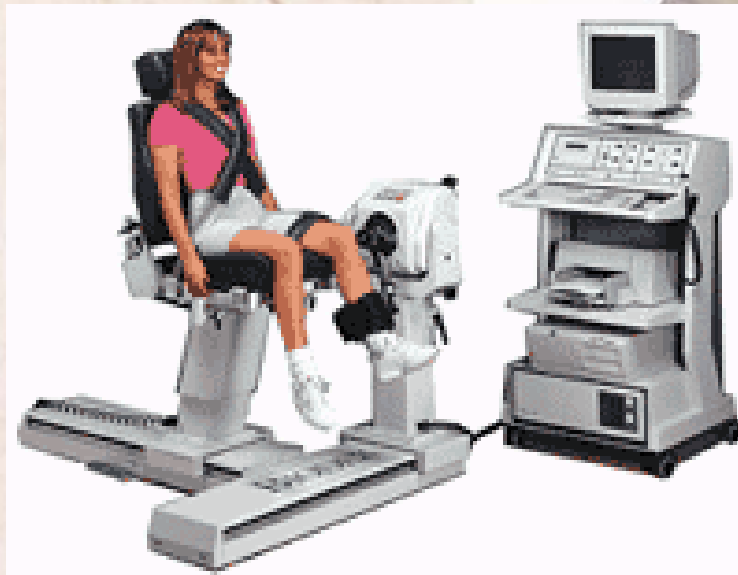
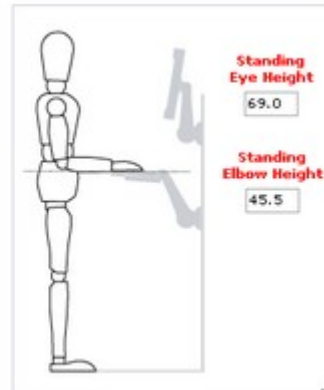
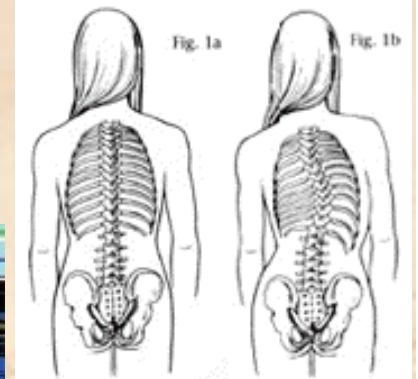
Boulimie, anorexie : les maladies qui ressemblent le plus à un suicide  
anorexie.c



# Hodnocení somatotypu



# Ergonomie



# Variabilita znaků lidského obličeje

úvod prohlížení ▾ vyhledávání kontakt

somatoskopické znaky obličeje

- ⊕ obličej
- ⊕ čelo
- ⊕ obočí
- ⊕ oči
- ⊕ nos
- ⊕ rty
- ⊕ brada
- ⊕ uši



somatoskopické znaky postavy

- ⊕ krk
- ⊕ ramena
- ⊕ hrudník
- ⊕ záda
- ⊕ poměr WHR (ženy)
- ⊕ horní končetiny
- ⊕ dolní končetiny
- ⊕ kostra
- ⊕ svalstvo
- ⊕ prominence
- ⊕ tukový polštář (podkožní tuk)

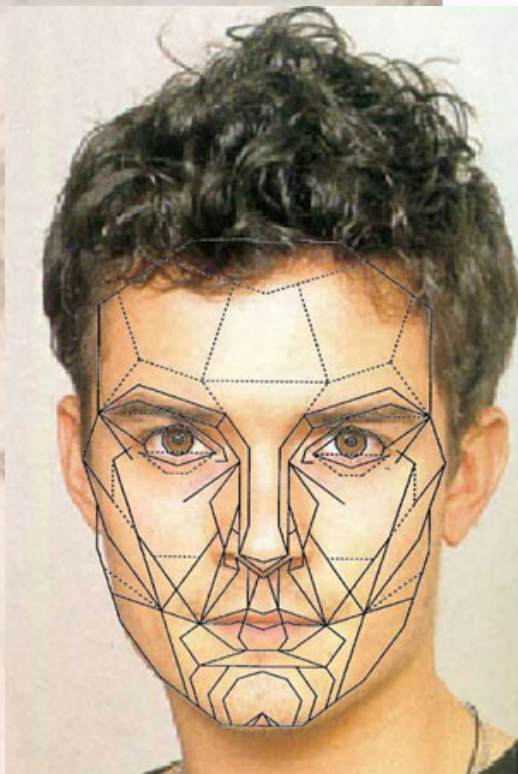
sestavení portrétu

- kontury
- stínovaný

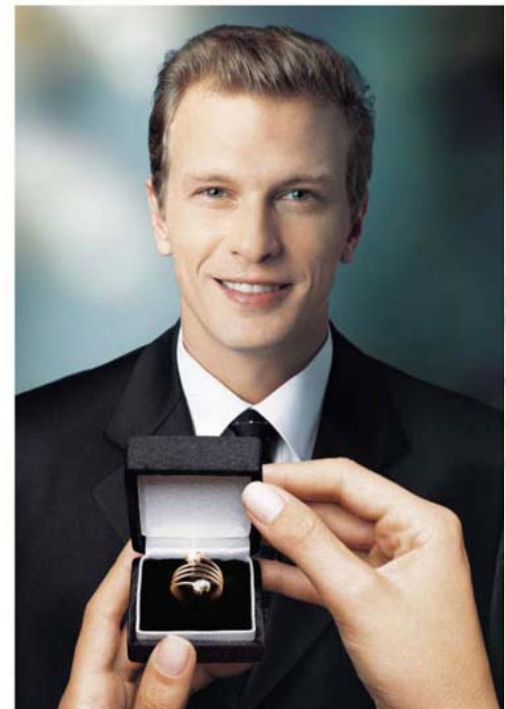
Úvod

Obličej	Postava
	

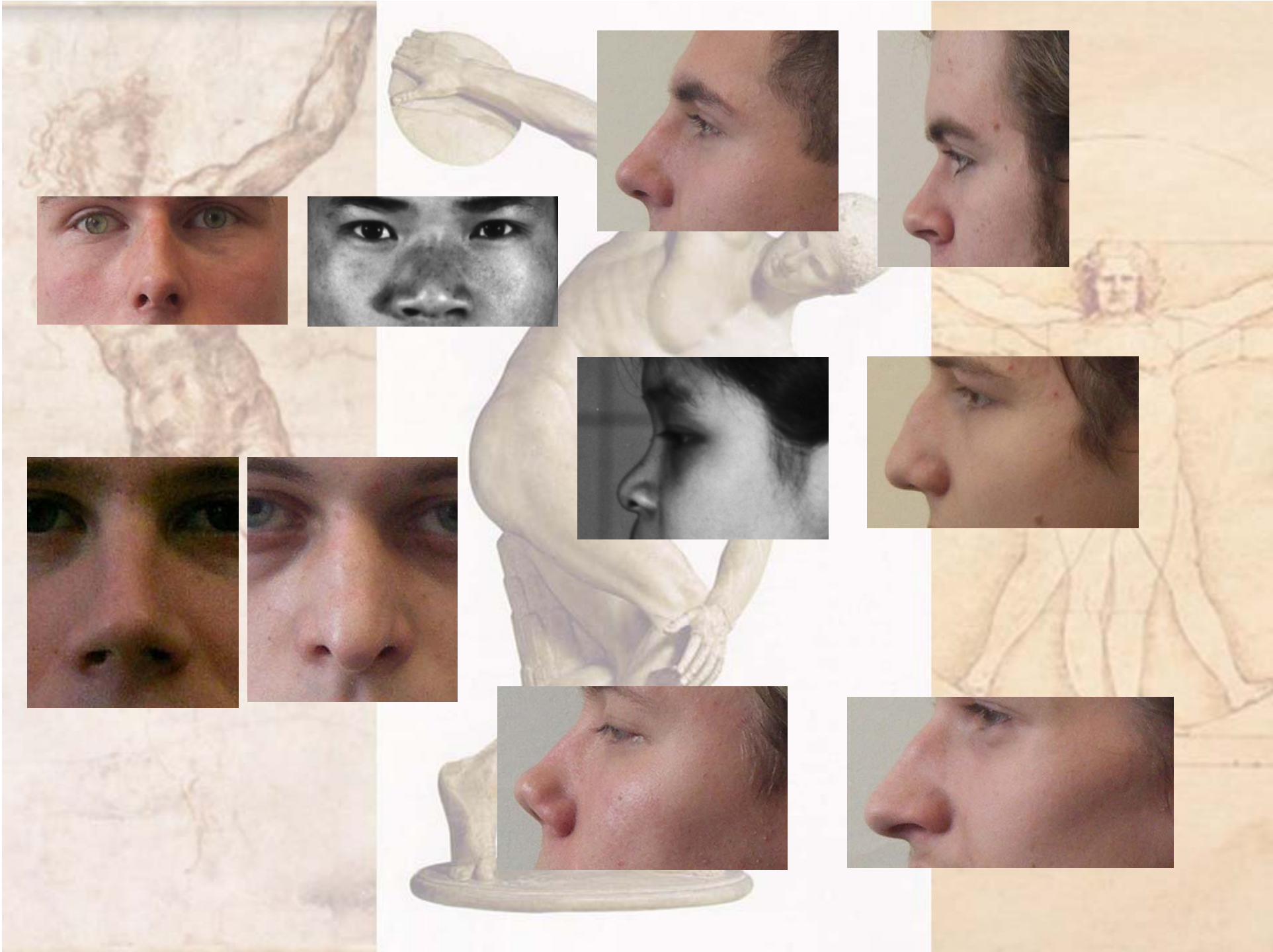
Pro antropologický ústav Přírodovědecké fakulty Masarykovy univerzity vytvořila Adamna NET ([www.adamna.net](http://www.adamna.net)) v roce 2010.



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portrait-artist.org





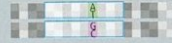




# Mezipopulační variabilita

## The Origin of Variation

Random changes to an organism's DNA can produce trait variations that are subtle or dramatic. The nature of the DNA mutation can also range from a simple substitution of one base pair to another to the duplication of entire genes or chromosomal regions. Examples below illustrate many of the ways spontaneous DNA alterations can give rise to diversity.



### Point Mutation

In whippet dogs, a single base-pair substitution makes the difference between a slender silhouette and a hulking animal at the mutation inactivates a gene for a signaling protein that regulates muscle growth. In animals with two copies of the gene, muscle development is normal. When one copy of the gene is altered, the order-



### Insertion

In pea plants, an 800-base-pair sequence inserted into a gene produces peas that are wrinkled rather than smooth. The intruding DNA element disables a gene necessary for starch synthesis, altering the peas' sugar and water content. Such mobile elements are seen in the genomes of most multicellular organisms, including humans.



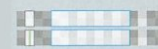
### Gene Copy Number

Entire genes can be duplicated by copying errors during cell division, leading to differences between species and to variation among members of the same species. The genome of chimpanzees, which eat mostly green plants, normally contains just a single gene for the starch-digest-



### Duplication

Sequences containing the same base pair repeated eight or more times, known as homopolymers, are highly prone to copying errors. In pigs, the gain of two additional C-G pairs in such a sequence inactivates a gene for a signal receptor in pigment cells, producing light-colored coats. Copying mistakes within individual cells can also cause the duplicated sequence to lose bases, restoring the gene's function and producing dark patches on the body.

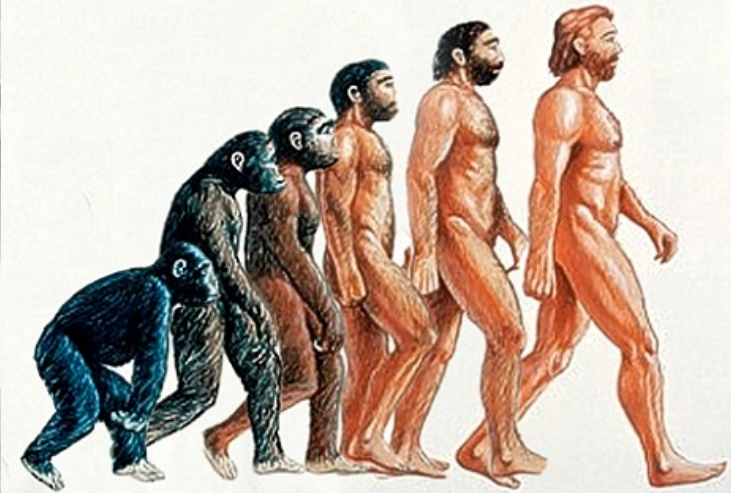


### Regulatory Changes

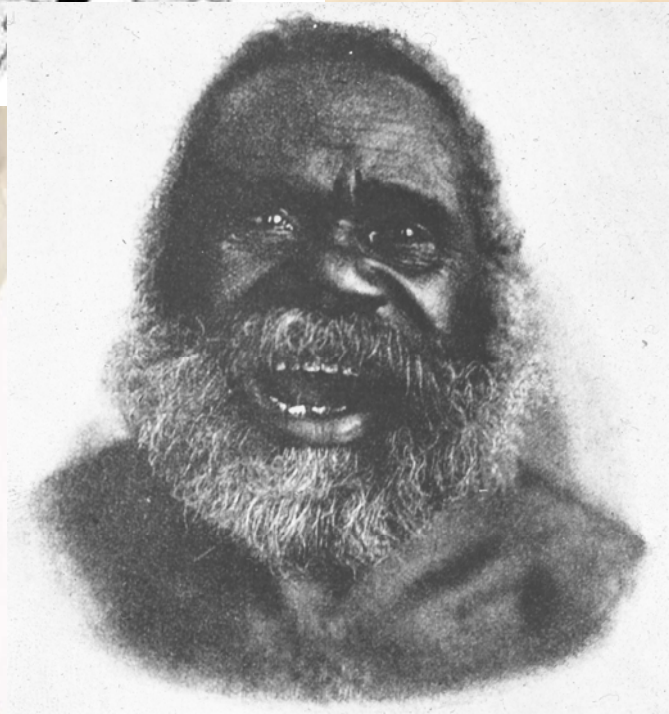
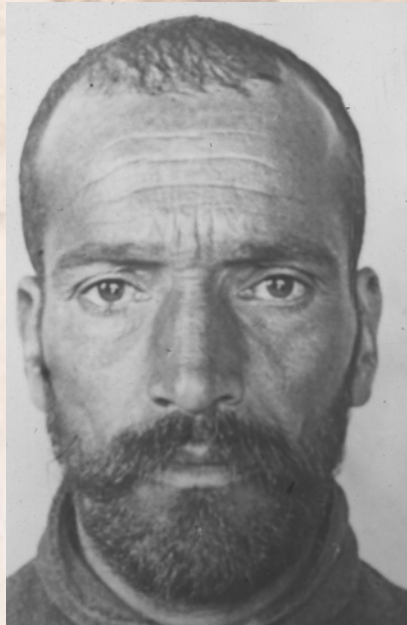
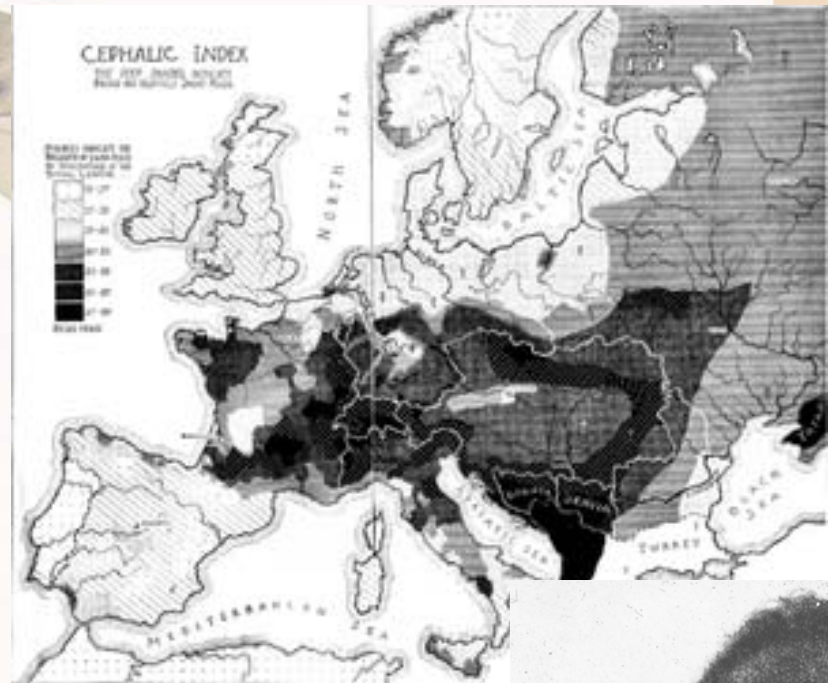
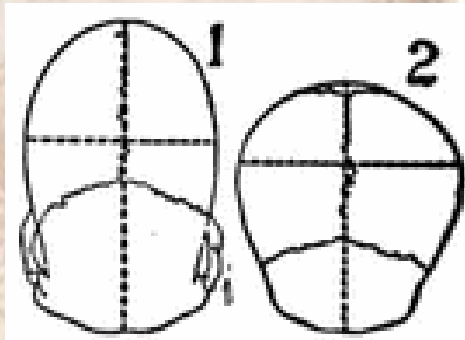
Mutations in the DNA that controls when and where genes are activated can produce profound trait changes by altering the formation of entire body parts during the organism's development. Changes in the regulatory regions of a single gene that controls patterns of cell division during stem development account for much of the shape difference between the bushy tesquite

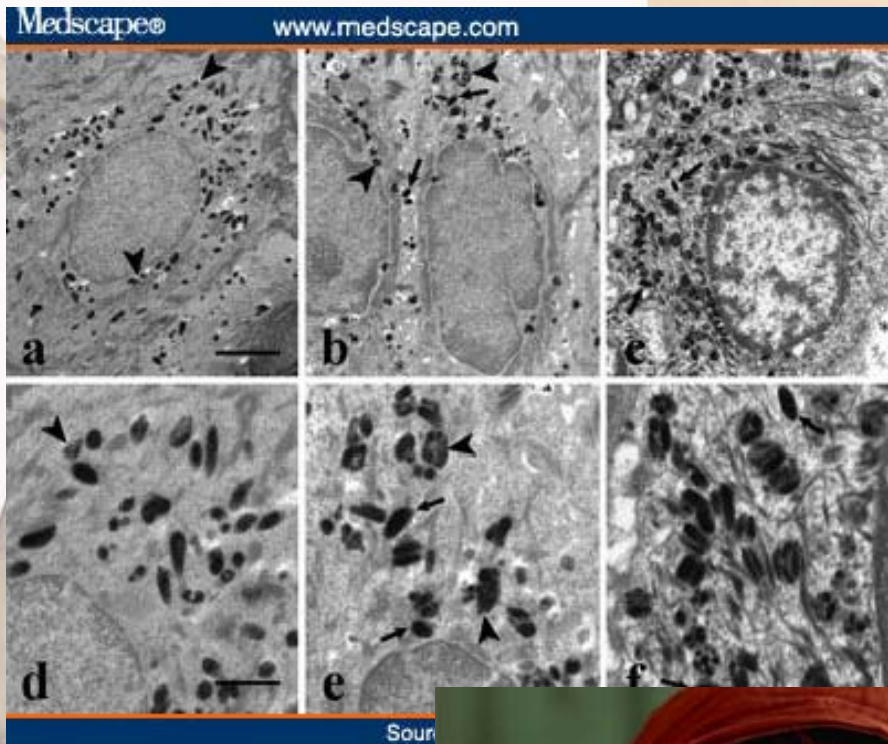


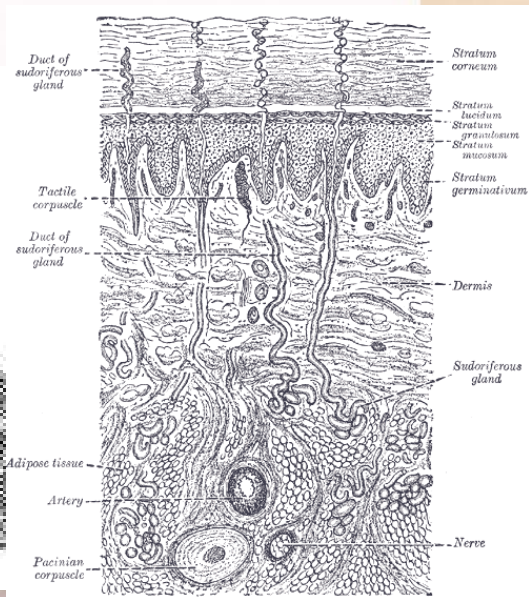
*Australopithecus africanus*

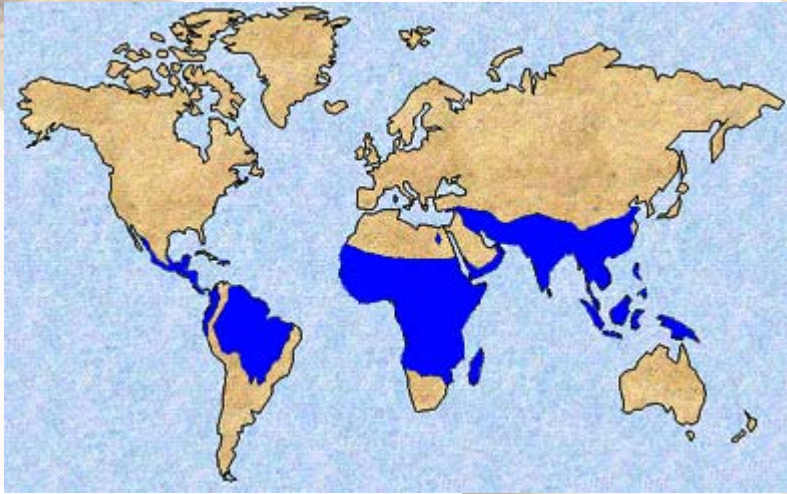
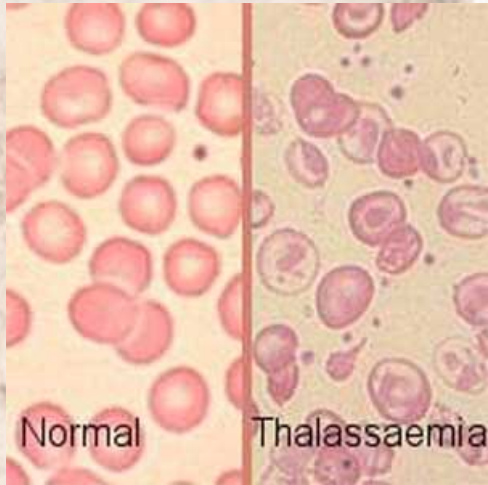




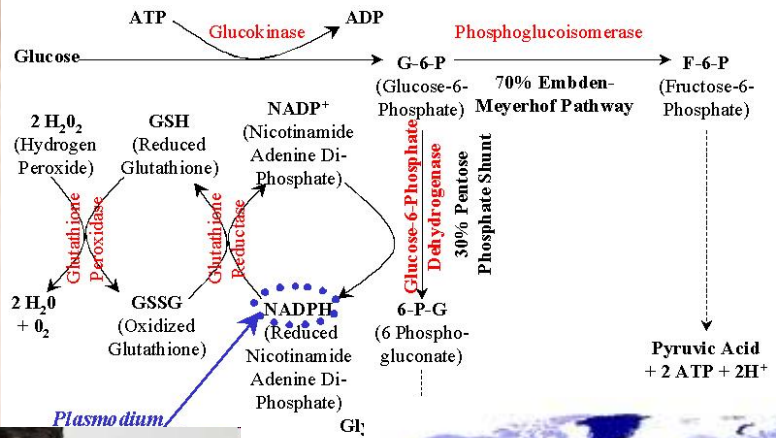






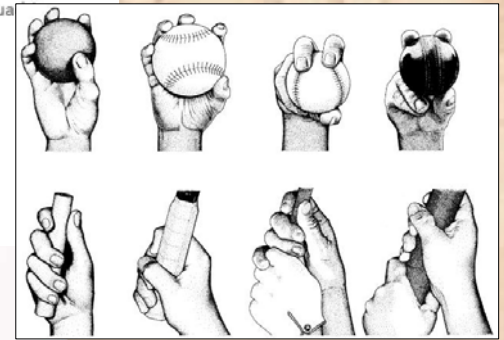
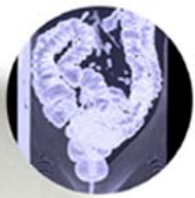
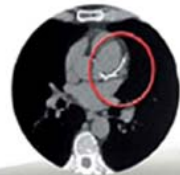
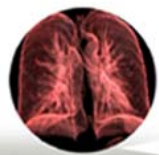
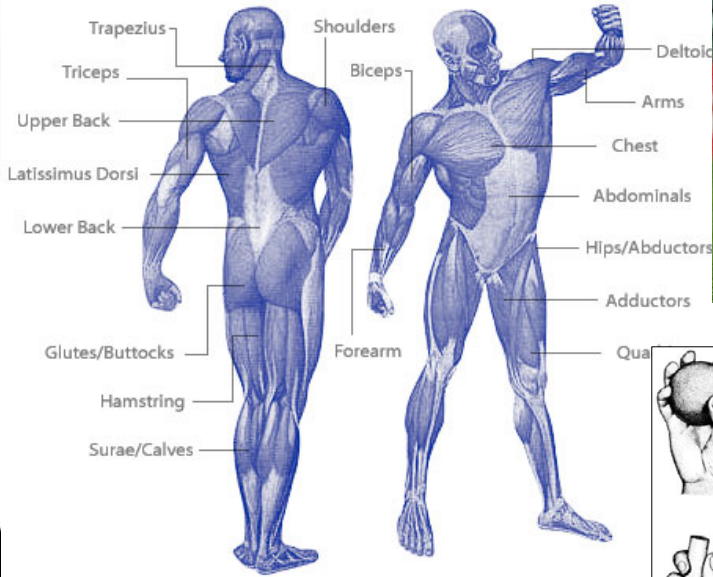
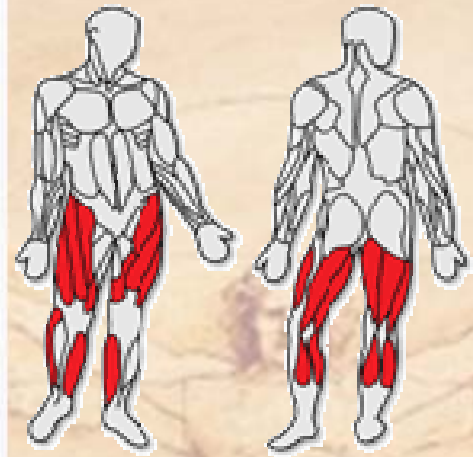
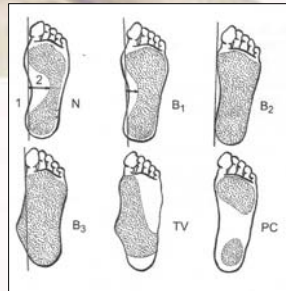


### G6PD and Malaria



# Sportovní antropologie







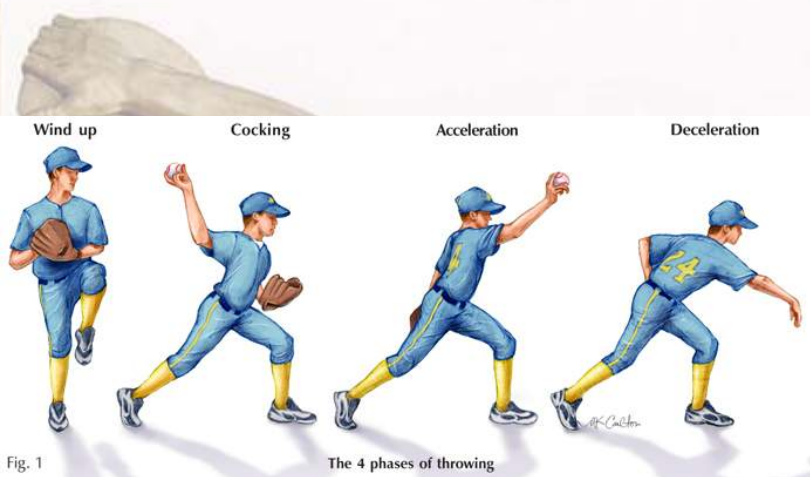
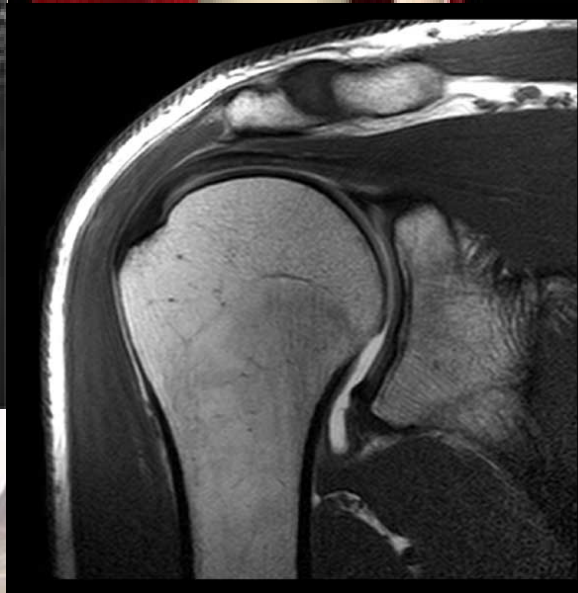
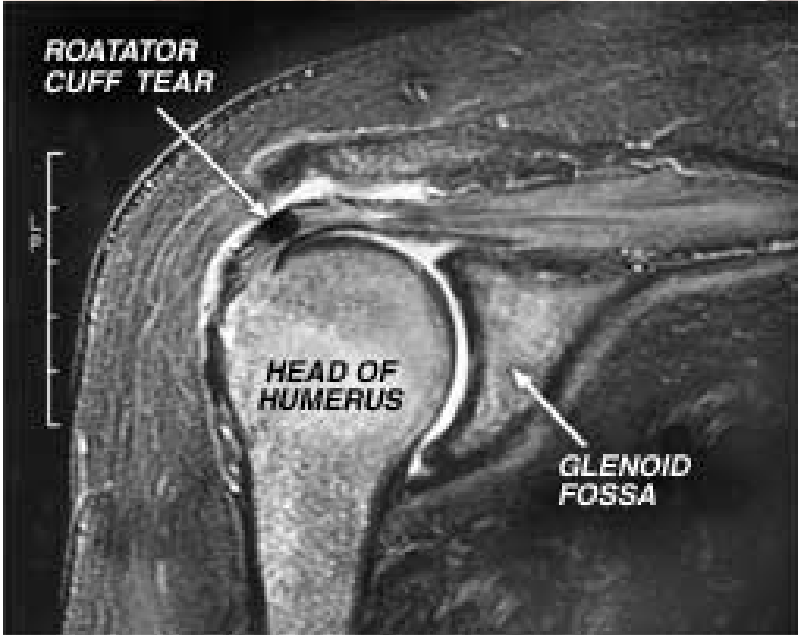
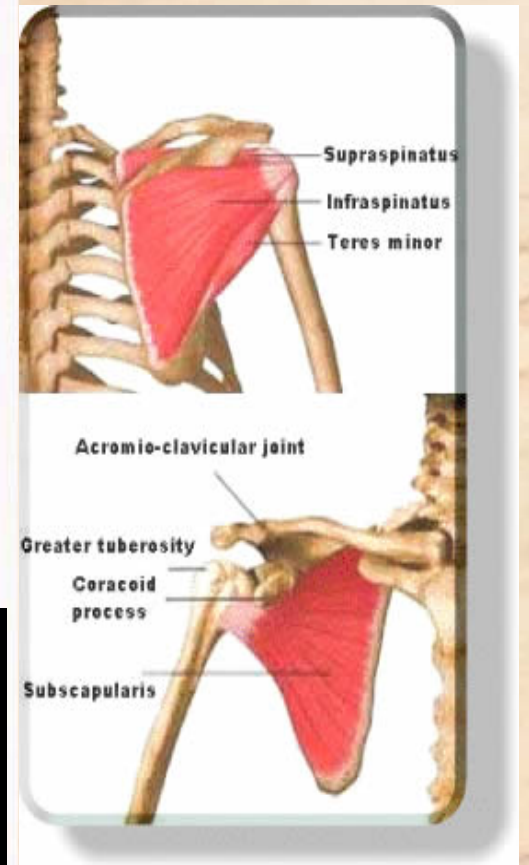
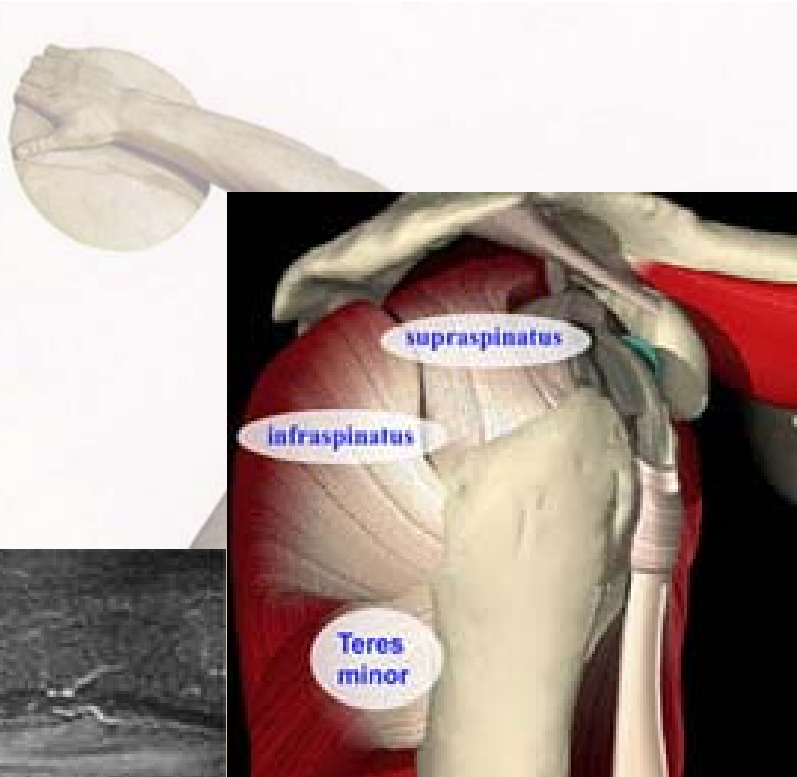
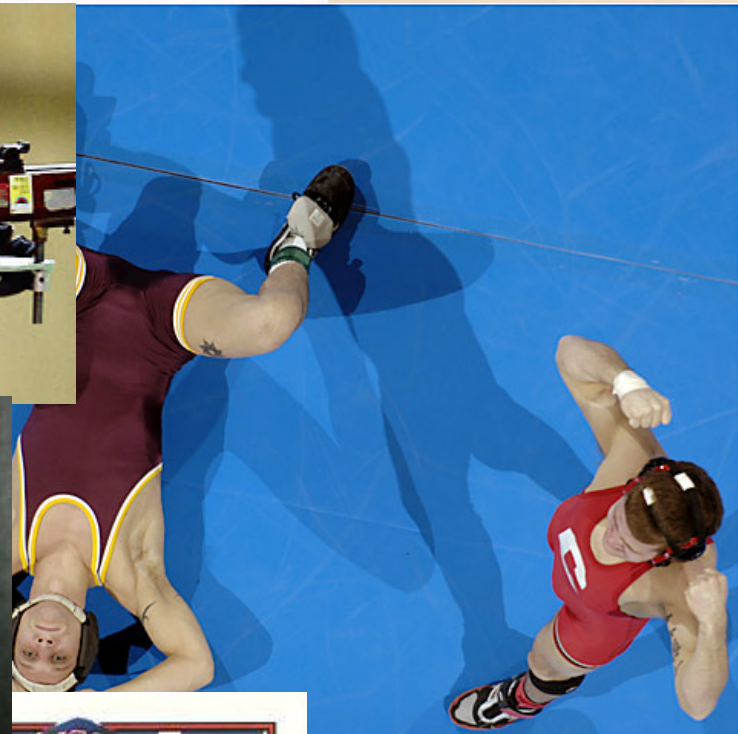
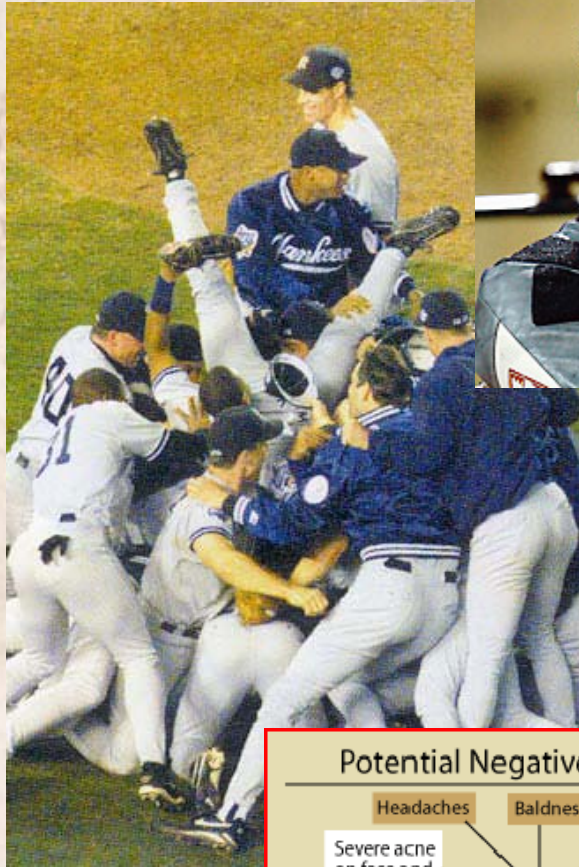


Fig. 1

[degrees]







### Potential Negative

Headaches    Baldness  
Severe acne on face and back  
Development of breasts  
Liver damage  
Mood swings    Urinary and bowel problems  
Enlarged prostate  
Shrinkage of the testicles  
High blood pressure and heart disease  
Nausea  
Bloating  
Impotence  
Reduced sperm count  
Aching joints  
Aggressive behavior  
Increased risk of tendon injuries

**PROBLEMS IN WOMEN:**  
 • Reduced breast size  
 • Enlarged clitoris  
 • Increase in facial and body hair  
 • Deepened voice  
 • Menstrual problems

■ Problems in men  
□ Problems in men & women

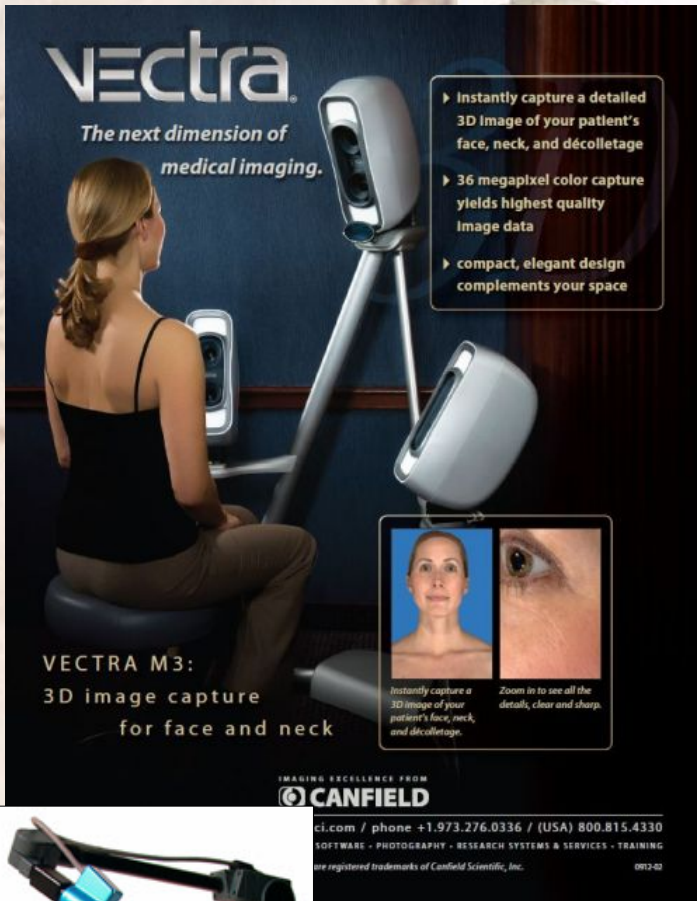



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