Stupid human tricks Splash 2025

Bigfoot is a guy in a gorilla suit- The valgus knee and femurs

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The **vertebral artery**: Car accidents, the chiropractor and you.

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Vitamin C

Stupid animal tricks: The secret lives of rabbits/lagamorphs



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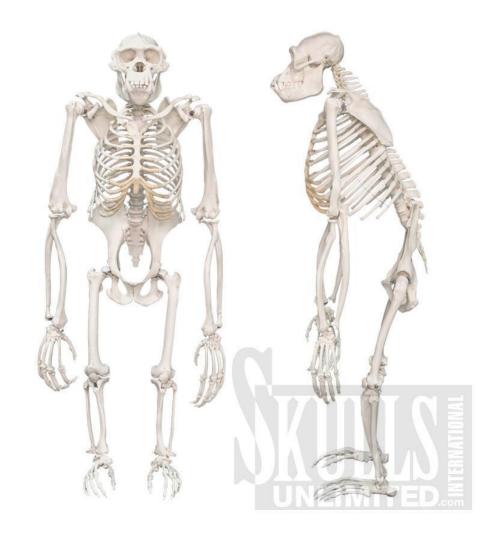
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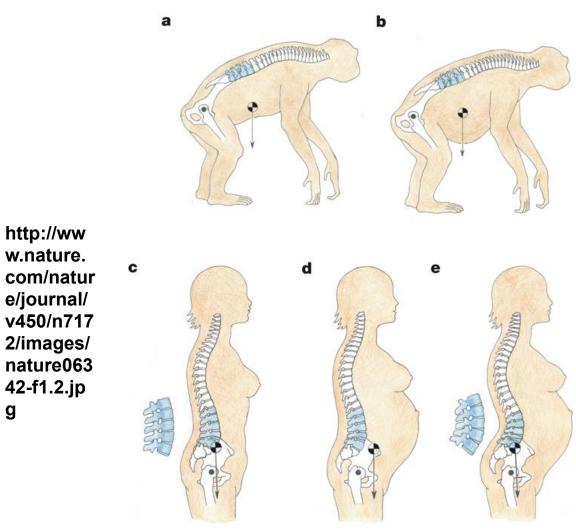
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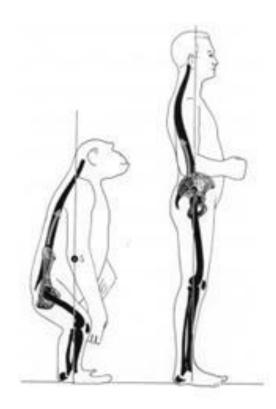


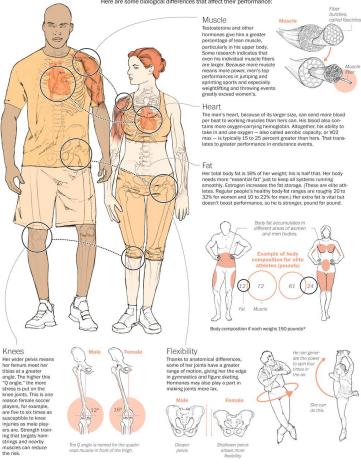
Figure 3

http://biologos.org/uploads/static-content/bipedality_fig_3.jp

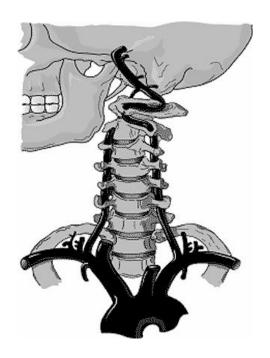
https://img.washingtonpost.com/rw/5/Health-Environment-Science/Gra

Q-angle

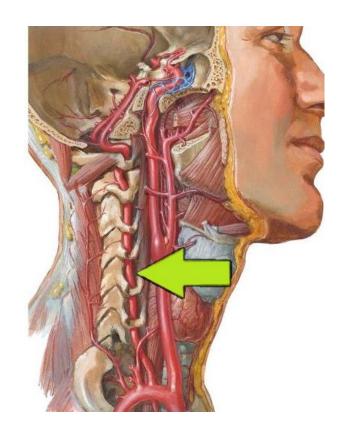
Fit but unequal Take two highly trained, Olympic-caliber athletes: one man, one woman, Here are some biological differences that affect their performance:



Sources: Barbara Bushman, exercise physiologist and editor of the American College of Sports Medicine's "Complete Guide to Fitness and Health;" Wayne Westcott, professor of exercise science at Quincy College and author of 25 books on strength training, "Gender differences in strength and muscle fiber characteristics," by A.E. Miller, et al., McMaster University, Ontario, American Academy of Orthopsedic Surgeons, American Heart Associations Heart Associations Heart Associations Heart Associations.

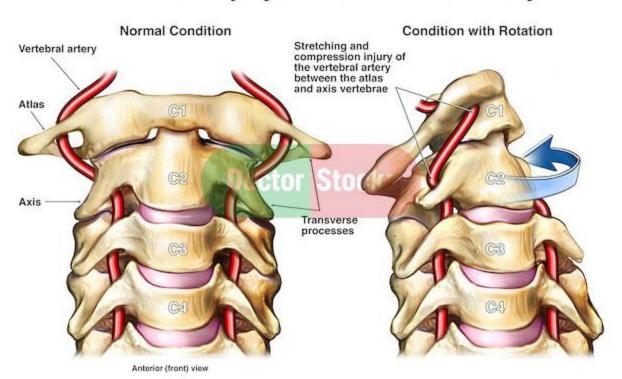


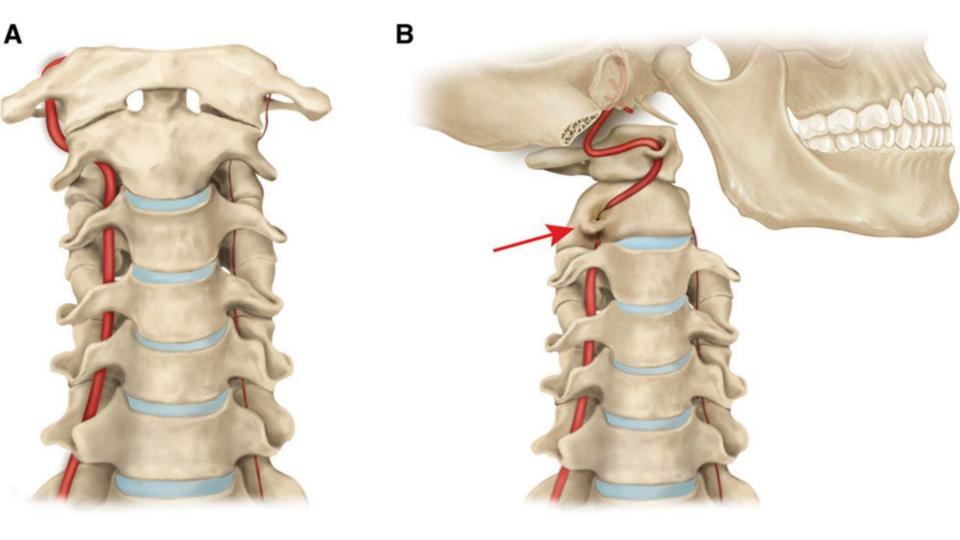
http://www.imaging.robarts.ca/SPARC/sites/default/files/neck.gif

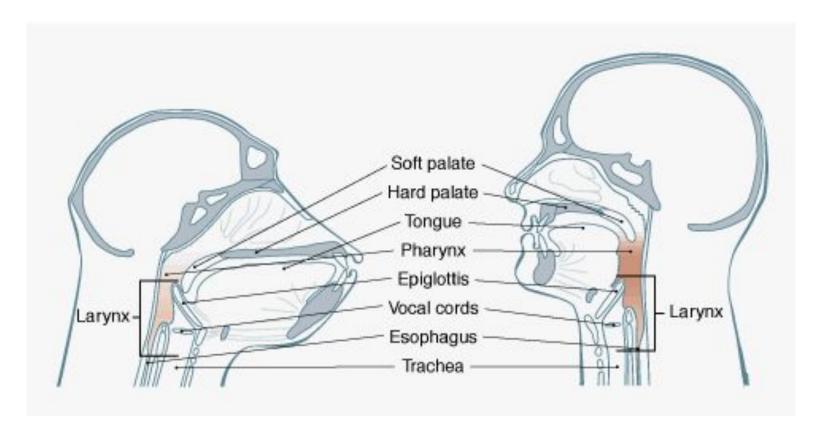


http://classconnection.s3.amazonaws.com/930/flashcards/619930/png/vertebral artery1312142110634.png

Rotational Injury of the Vertebral Artery







http://pubpages.unh.edu/~jel/images/vocal_tract_chimp.gif

The **immune system** is awesome...sort of. Autoimmunity & atopy

LPS lipopolysaccharide, sepsis

Auto-immunity

Fever. Why?

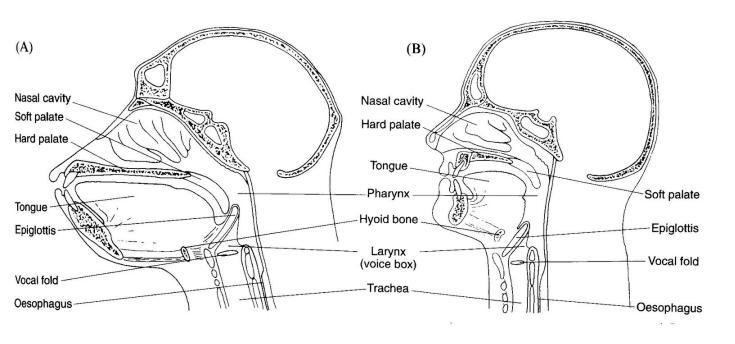
Interferon gamma causes mitochondrial dysfunction

The clotting cascade

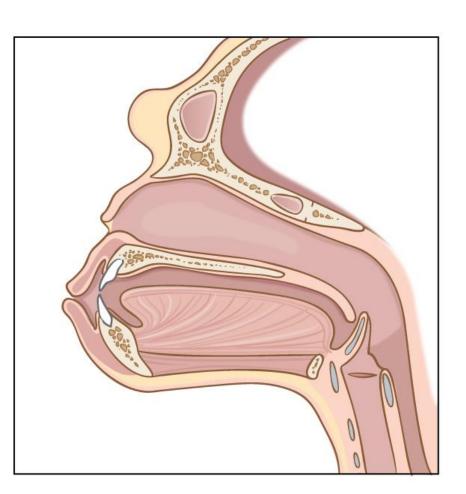
http://crankylinguist.blogspot.com/2010/10/chimp-vs-human-vocal-tracts.html

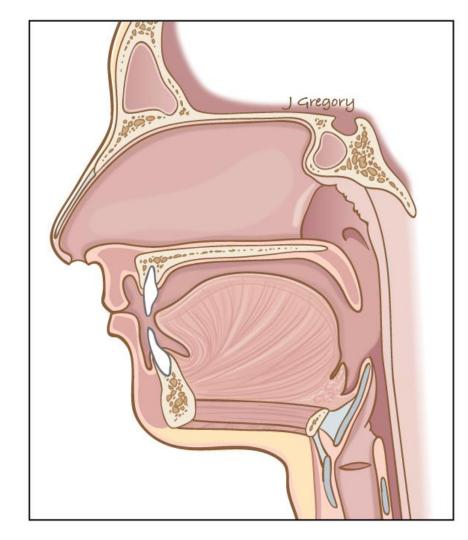
Essentially, in apes the larynx is higher and the epiglottis can lock with the velum; in humans the larynx is too low for this to happen. Also, ape tongue movement is mostly in-out, while humans can move the muscle up and down as well as in-out. Furthermore, the tube through which air passes from the glottis out to the lips is gently curved in apes, but in humans it forms a right angle. Anyone who plays any kind of wind instrument knows that different shapes produce different sounds.

What all this means is that apes (and human newborns, who are similar) cannot produce sounds with the acoustic properties of adult human speech. And it's why it was such a stroke of genius to try out manually-produced sign languages on them.



http://2.bp.blogspot.com/_rvOgdkttb5c/TKs5c9vFN4I/AAAA AAAAAPA/RJrVX4ZcHKQ/s1600/Vocal+Tracts.gif





they-could

https://www.science.org/content/article/why-mo

nkeys-can-t-talk-and-what-they-would-sound-if-

https://www.science.org/content/article/humanevolution-gain-came-pain

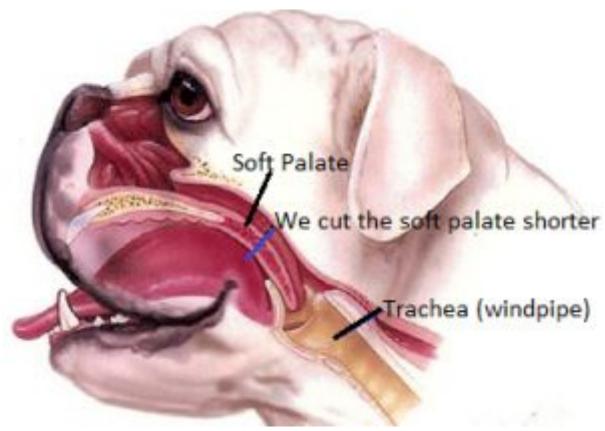
https://pmc.ncbi.nlm.nih.gov/articles/PMC43150

https://thejns.org/focus/view/journals/neurosurg-focus/36/5/article-pE1.xml

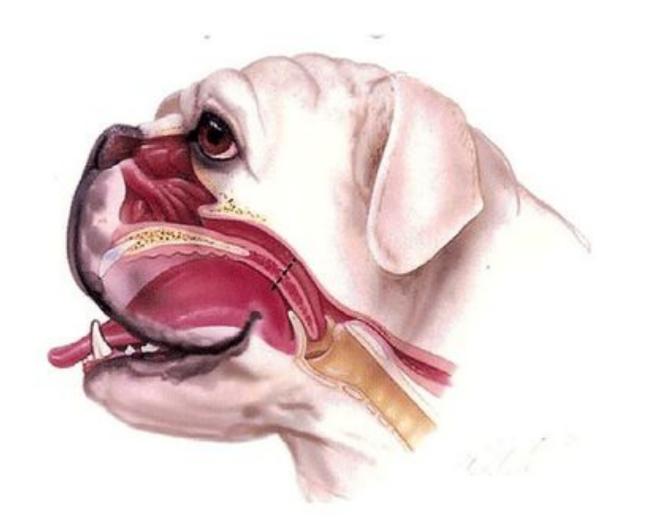
Choking-aspiration

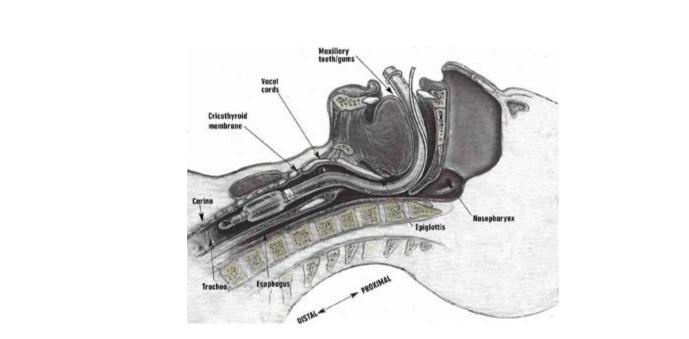
Humans are good at it! Pugs too! http://vethq.com.au/wp-content/uploads/phot o-gallery/BAS/E6431B42C7D8AFAD206B0

C3FBFE80A01.png



http://pad3.wl sion-5.jpg/aid wiki How to Save a Choking Dog





http://aclandanatomy.com/data/Multimedia/5-1-11.jpeq

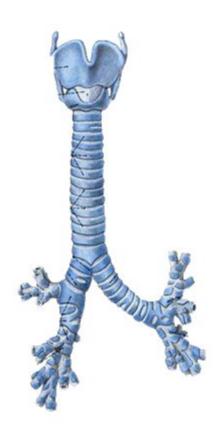
Bronchi

Right principal bronchus

- Shorter, wider, and more vertical than the left, is about 2.5cm long, Leaves the extend line of the middle line of trachea at a 22 - 25 degree angle
- Foreign bodies are therefore more likely to lodge in this bronchus or one of its branches

Left principal bronchus

 Narrower, longer, and more hori zontal than the right is about 5cm long, leaves the extend line of the middle line o trachea at about 35~36° angle

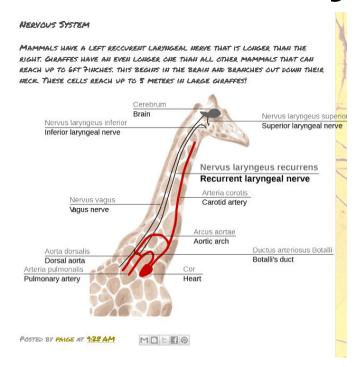


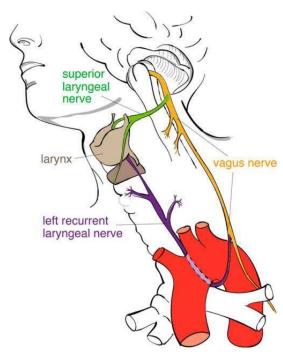
https://media.lanecc.edu/ espiratory_System_Revie Right Left

FIGURE 8-44 Course of trachea and *right* and *left* mainstem bronchi, superimposed on a standard chest radiograph. Notice that the *right* mainstem bronchus continues on a straighter course from midline than does the *left* mainstem bronchus.

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Recurrent laryngeal nerve





https://steemit.com/science/@nulliusinverba/the-proof-of-evolution-in-our-bodies-the-rec-laryngeal-nerve

Splanchic nerves and referred pain

Still very mysterious

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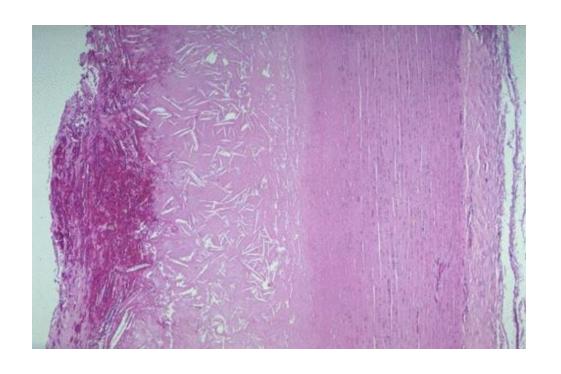
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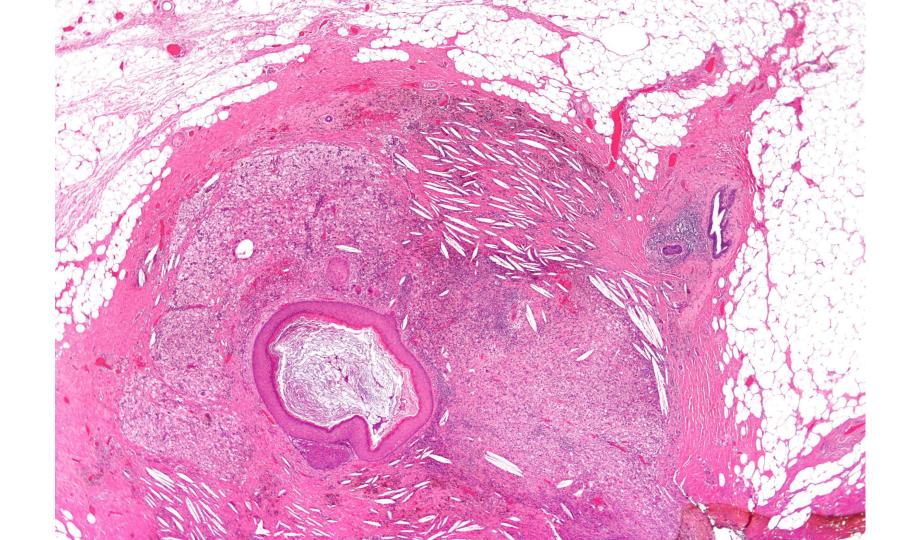
angioscotoma/purkinje tree/entoptic images

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Stupid animal tricks: The secret lives of rabbits/lagamorphs

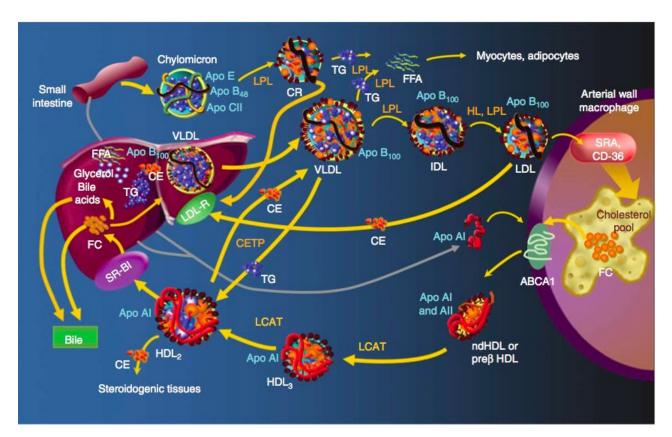


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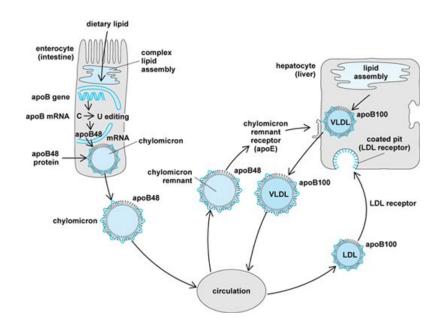




http://www.anesthesia2000.com/Cardio/Cardio_risk/fatty_st



http://cardiologydoc.files.wordpress.com/2012/05/the-whole



http://www.accessscience.com/loadBinary.aspx?aID=6683&filename=YB03022 5FG0010.gif

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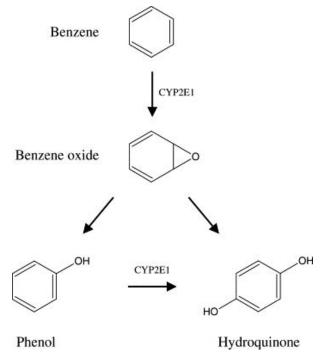
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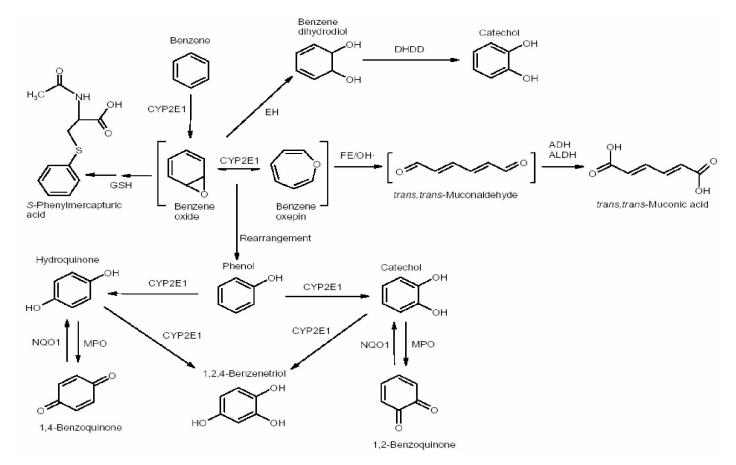
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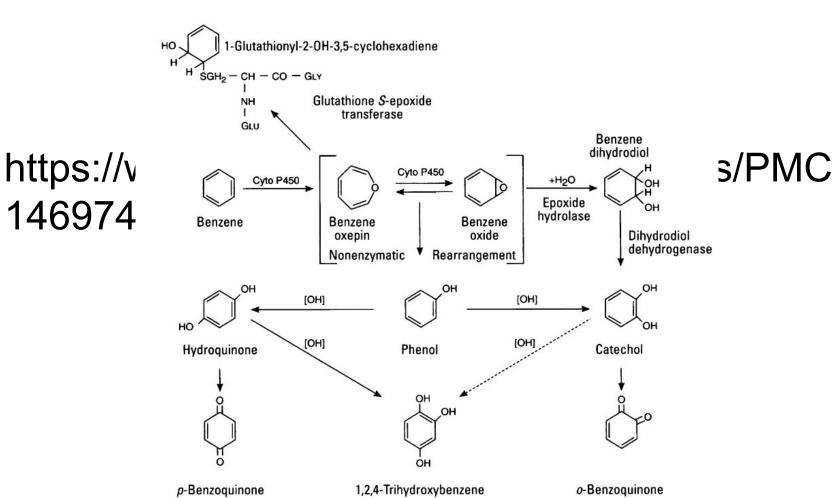
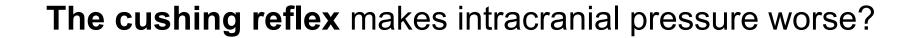


Figure 2. The metabolic fate of the benzene oxide—oxepin system.



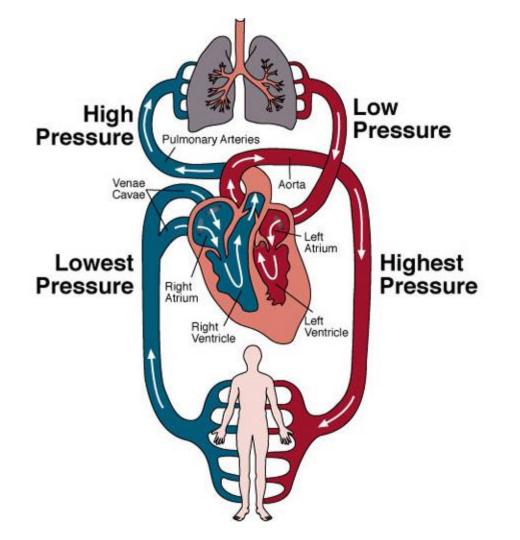
Cushing reflex

Intracranial pressure leads to compression of arterioles and diminished blood flow.

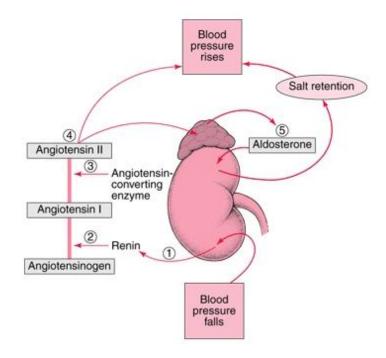
Sympathetic nervous system increases vascular resistence. BP goes up. ICP goes up.

Carotid baroreceptors signal parasympathetic to slow heart rate to compensate.

Cushing's triad of widened pulse pressure (increasing systolic, decreasing diastolic), bradycardia, and irregular respirations.



Renal Bp



http://24.media.tumblr.com/tumblr_lkc4u6Ufnw1qcmrkno1_400.jpg

feeling hungry is dumb: diabetes

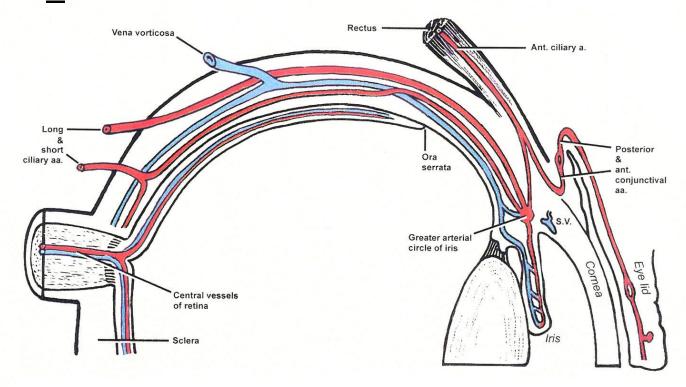
Living on the edge of starvation Insulin resistance

Semiglutide (GLP-1 glucagon like peptide 1)

Vitamin C
C. Axel Holst and Theodor Frölich fortuitously produced scurvy in the guinea pig, which like humans requires vitamin C in the diet.

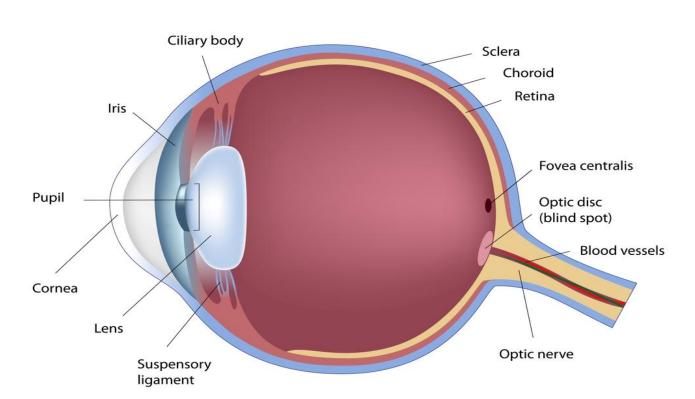
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http://www.dartmouth.edu/~humananatomy/figures/chapter_46/46-10 files/IMAGE001.JPG



http://www.garetina.com/img/eye-diagram.jpg

Human Eye Anatomy



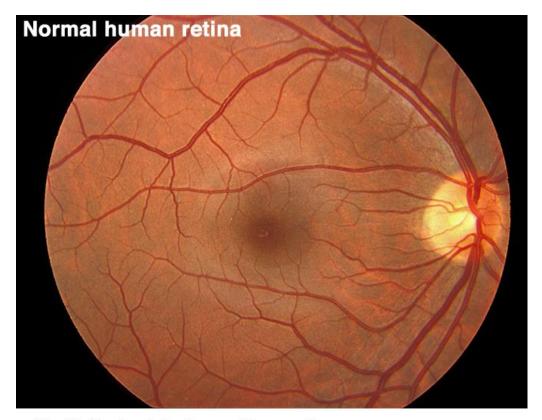
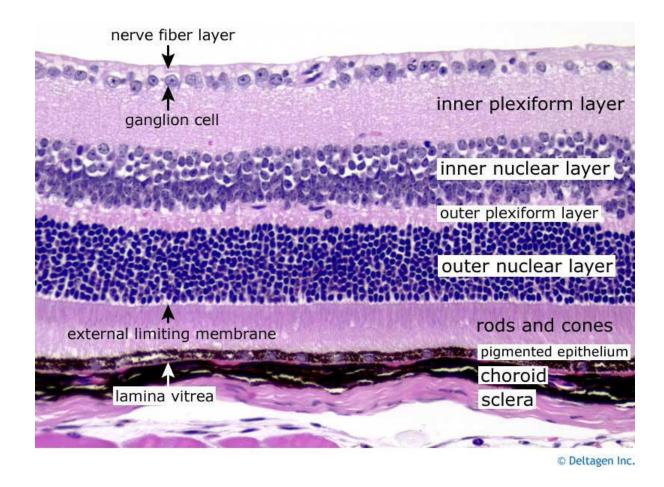
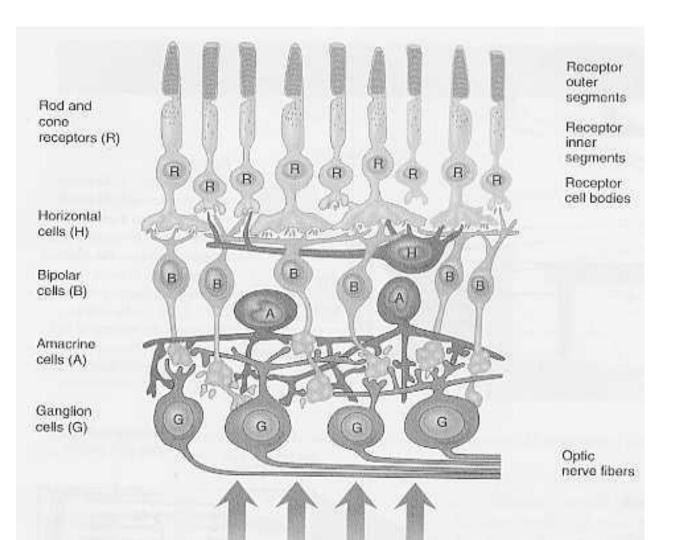


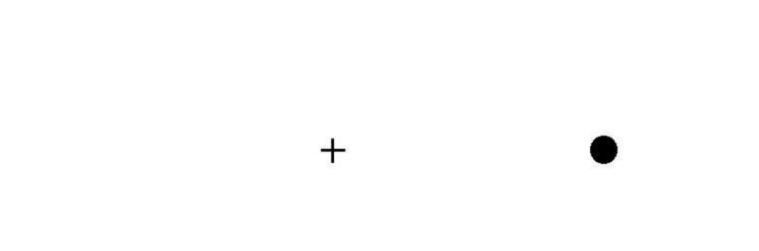
Fig. 12a. Fundus photo of a normal human retina.

http://webvision.med.utah.edu/imageswv/DONFig12a.jpg

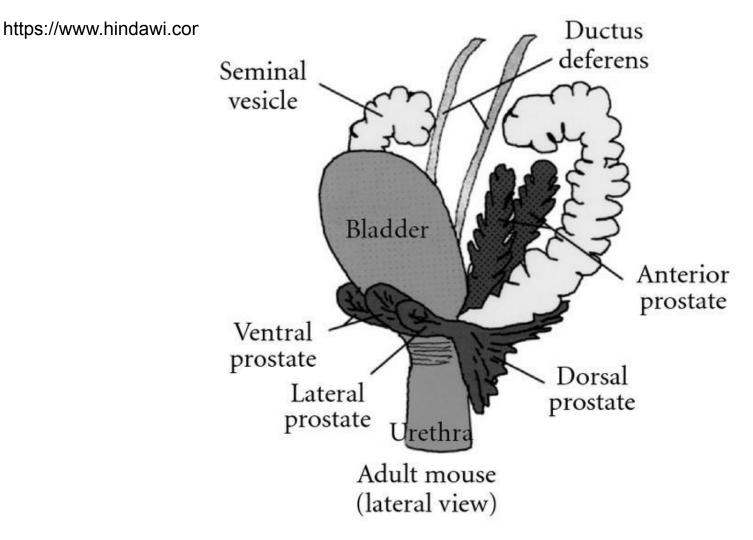


http://apbrwww5.apsu.edu/thompsonj/Anatomy%20&%20Physiology/2010/201



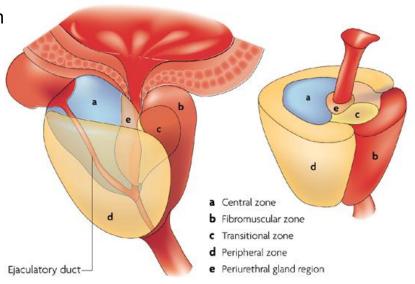


The human prostate is a stupidly arranged gland.



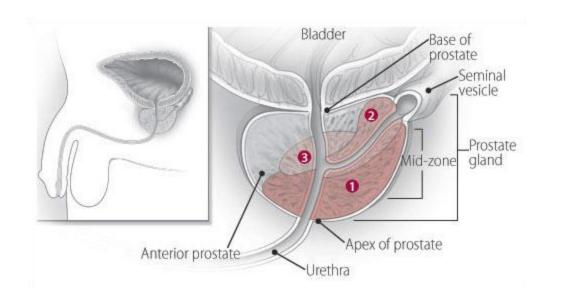
Prostate zones

http://www.nature.com/nrc/journ



	Prostate zone			
	Peripheral	Transition	Central	
Focal atrophy				
Acute inflammation				
Chronic inflammation				
Benign prostatic hyperplasia				
High-grade PIN				
Carcinoma				
	High prevale		Low prevalence None	

http://harvardprostateknowledge.s3.amazonaws.com/blog/wordpress/wp-content/uploads/2011/02/prostate-zones.jpg



Vitamin C- Ascorbate

We can't make it!

Neither can Guinea pigs. C. Axel Holst and Theodor Frölich fortuitously produced scurvy in the guinea pig, which like humans requires vitamin C in the diet. https://pubmed.ncbi.nlm.nih.gov/23183299/61 MYA in anthropoid primates and 14 MYA in guinea pig

Mutation in GLO gene -L-gulono-γ-lactone oxidase protein

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3145266/

https://www.veterinary-practice.com/article/guinea-pigs-and-the-vitamin-c-problem

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https://www.sciencedirect.com/science/article/abs/pii/S0022316623117135

https://pubmed.ncbi.nlm.nih.gov/1954740/

https://www.nature.com/articles/145628a0

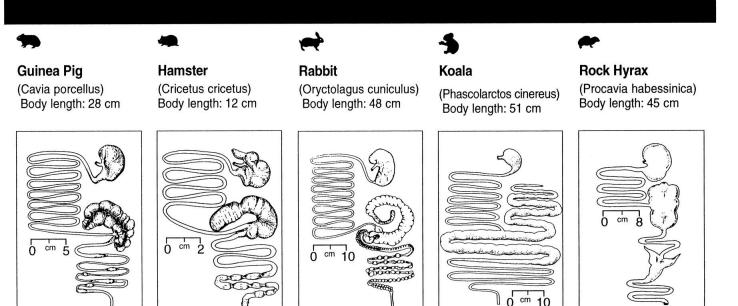




bunny

http://washhumane.t ypepad.com/.a/6a00 e54eed855d8834017 ee9cf65f4970d-pi





http://physrev.physiology.org/content/78/2/393/F6.large.jpg





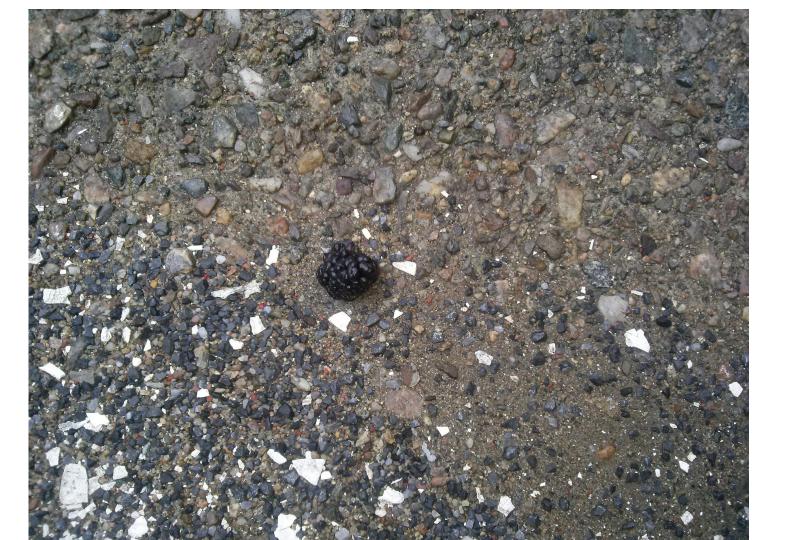


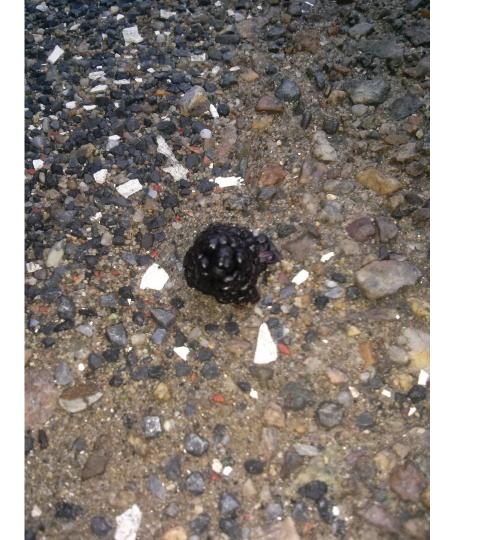














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