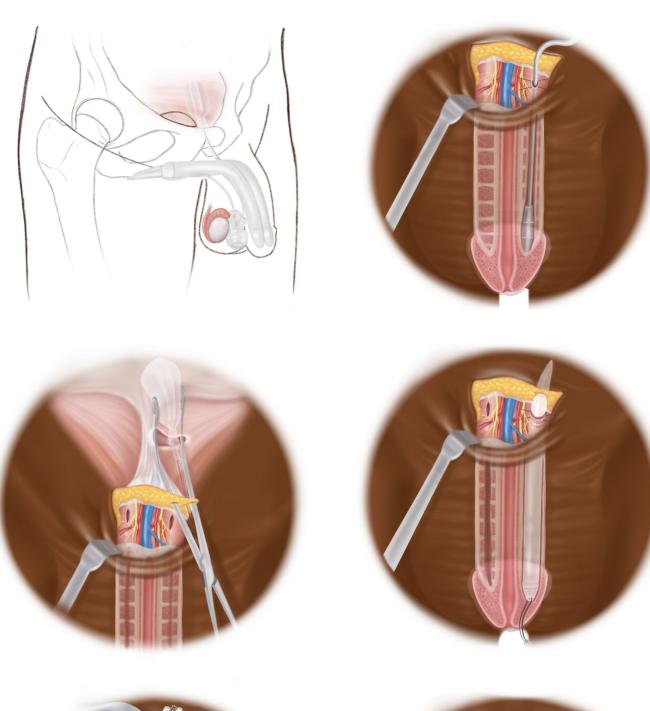
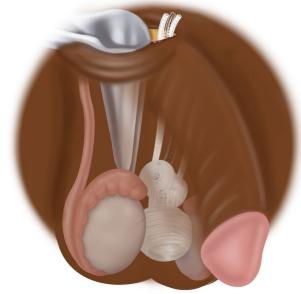


Penile Prosthesis Surgery

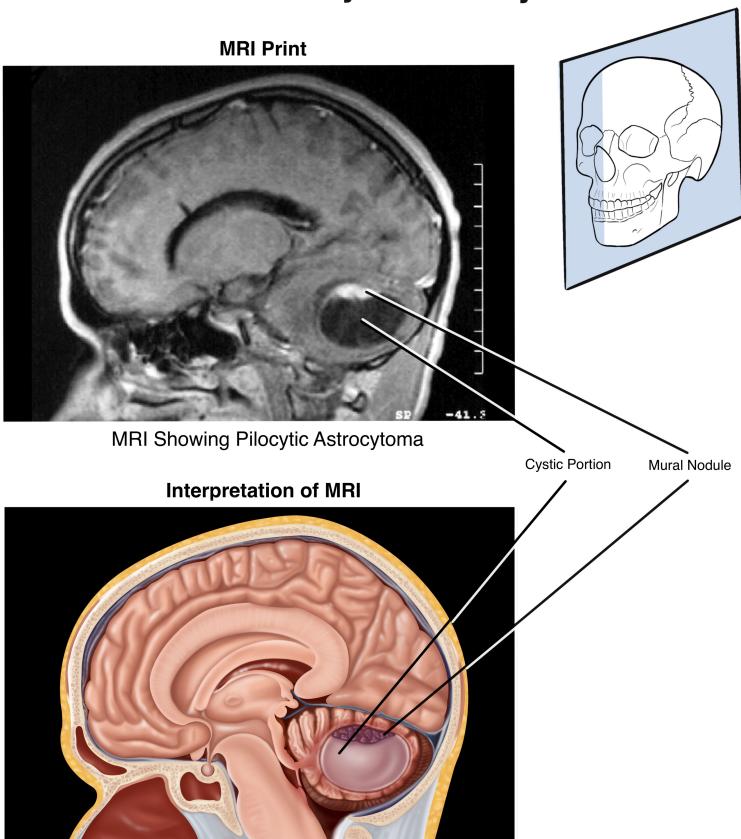






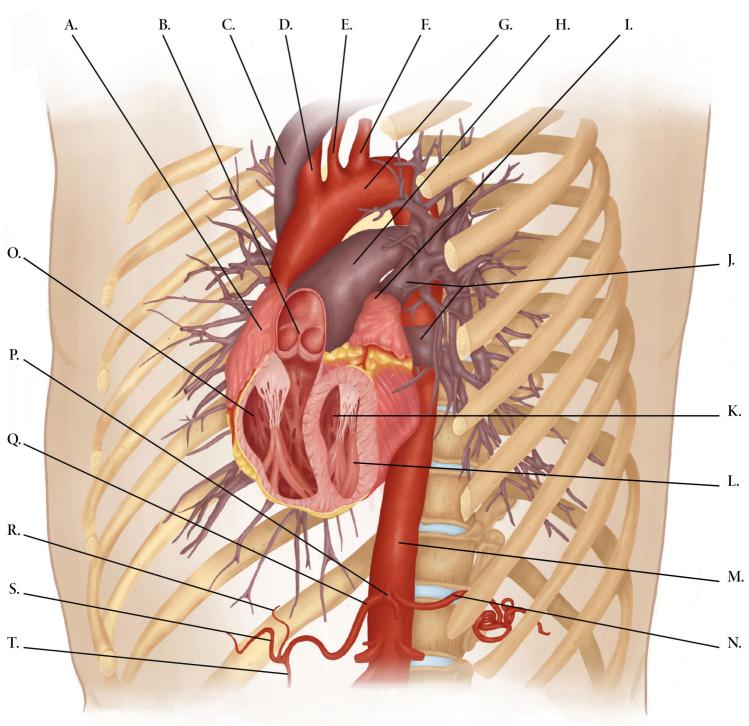
JANE DOE

Juvenile Pilocytic Astrocytoma



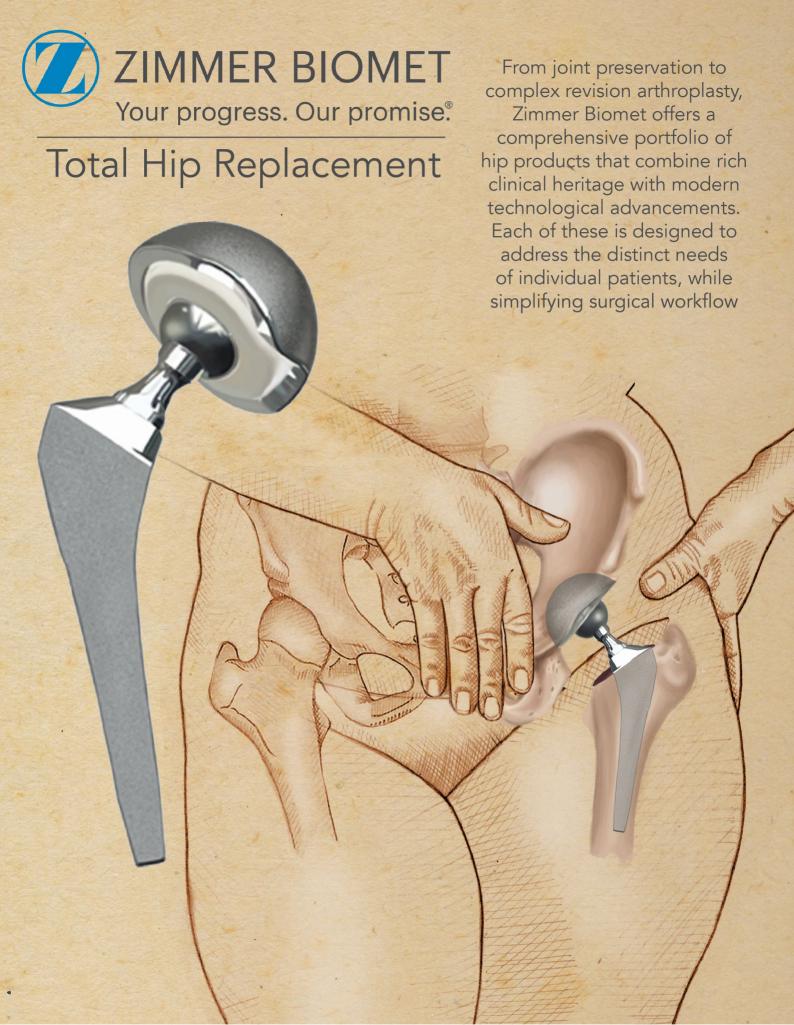
Sagittal Section of Brain Showing Pilocytic Astrocytoma

Anatomy of the Heart and Thoracic Aorta



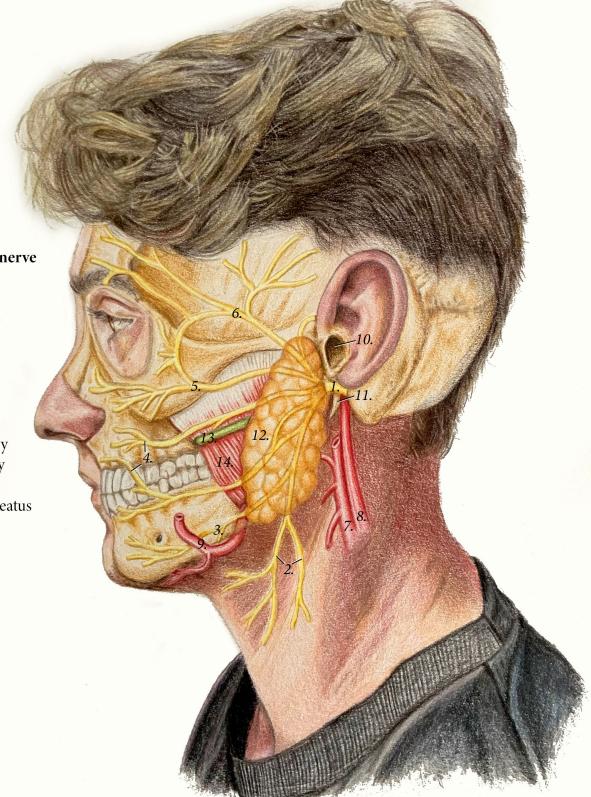
Key

- A. Right atrium
- B. Pulmonary valve
- C. Superior vena cava D. Brachiocephalic a.
- E. Left common carotid a.
- F. Left subclavian a.
- G. Aortic arch
- H. Pulmonary trunk
- I. Auricle of left atrium J. Left pulmonary veins
- K. Left vetnricle
- L. Papillary muscle
- $M.\,Descending\,a orta$
- N. Splenic a.
 O. Right ventricle
- P. Left gastric a.
- Q. Common hepatic a.
- R. Right gastric a.
- S. Proper hepatic a.
- T. Gastroduodenal a.



Distribution of the Facial Nerve

(lateral view)



Branches of the Facial nerve

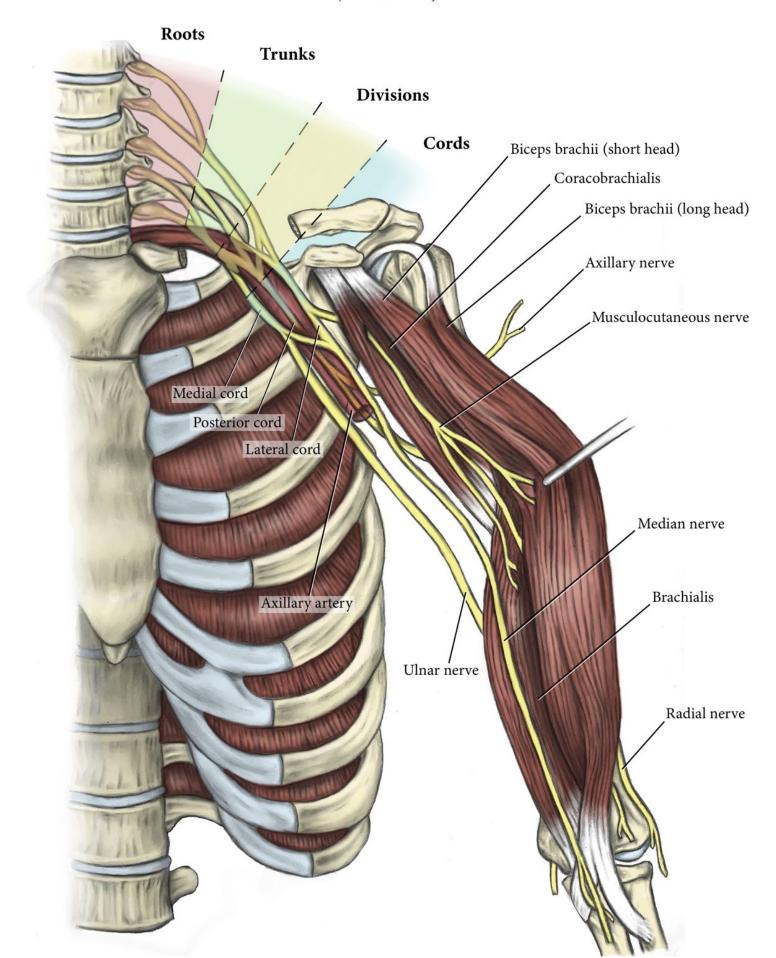
- 1. Facial nerve trunk
- 2. Cervical branch
- 3. Marginal mandibular
- 4. Buccal
- 5. Zygomatic
- 6. Temporal

Other Structures

- 7. External carotid artery
- 8. Internal carotid artery
- 9. Facial artery
- 10. External auditory meatus
- 11. Styloid process
- 12. Parotid gland
- 13. Parotid duct
- 14. Masseter muscle

The Brachial Plexus and Innervation of Upper Arm Muscles

(anterior view)



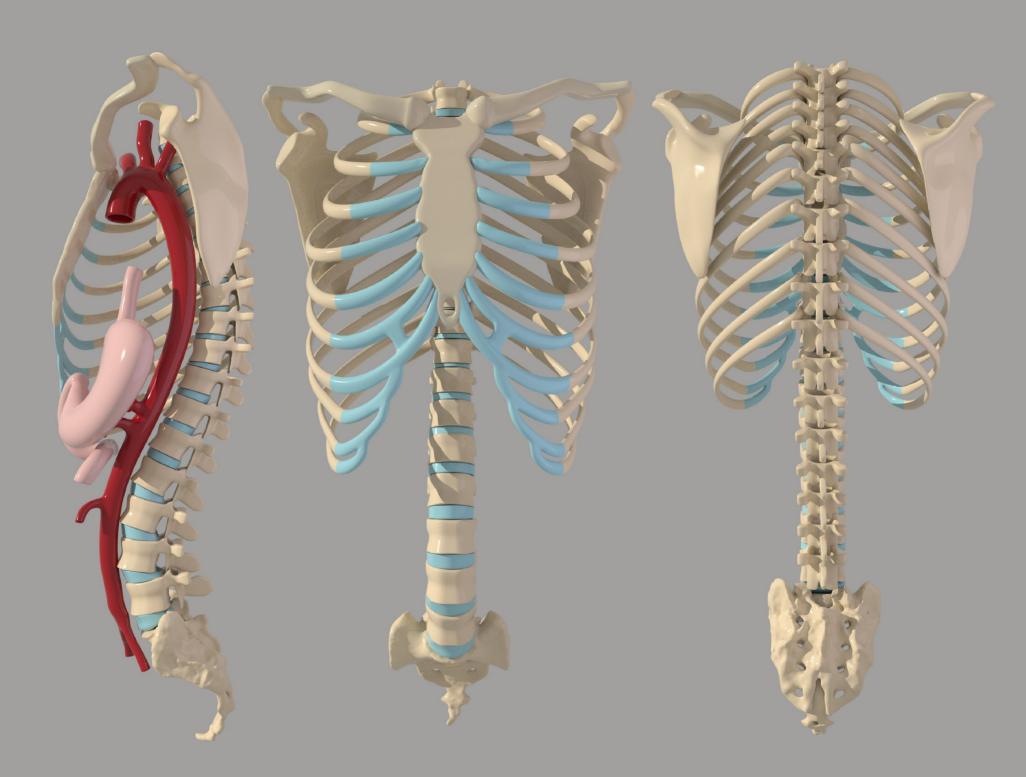






Cadaver sketches:

Top left - Brachial plexus Bottom left - Pubic hemisection *(Female)* Right - Heart *(Right ventricle)*

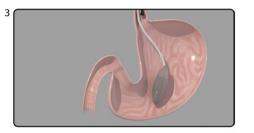


Intragastric Ballon Procedure



Title: Intragastic Balloon Procedure

Stomach faces posteirorly so exterior of stomach is shown. Title fades in. Title fades out. Stomach swings around anteriorly so that interior of stomach is shown



The endoscope is removed, and the thin and deflated balloon is gently pushed down the esophagus and into the stomach.

Endoscope moves out of the stomach. Small pause. Pipe with deflated balloon is slowly inserted into the stomach.

Intragastric Ballon Procedure



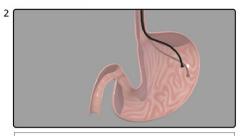
It is filled to about the size of a grapefruit, approximately 600 ccs, as the gastroenterologist keeps the balloon in sight.

Balloon slowly inflates and tints purple to represent being filled with solution



After six months, the balloon is deflated and removed.

Endoscope descends and pierces balloon. Balloon slowly deflates. Deflated balloon attached to endoscope pulls balloon out of the stomach.



Initially, the gastroenterologist inspects the stomach to insure no problems exist that would negate implanting the balloon.

Endoscope is slowly inserted into the stomach



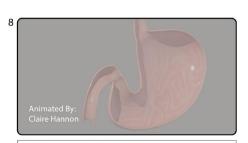
With the balloon in place, the endoscope is reinserted into the stomach to ensure proper balloon placement.

Endoscope is slowly inserted into the stomach



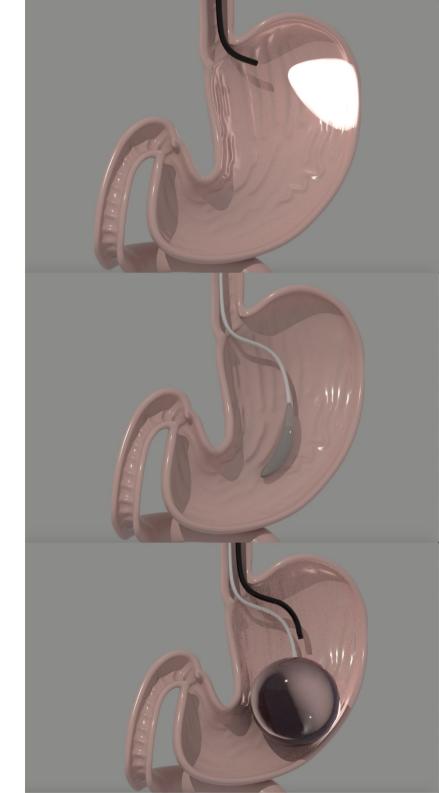
It serves to decrease the rate at which food exits the stomach and stimuates receptors that send signals to the brain providing a sense of fullness.

Pipe connecred to balloon releases balloon and moves out of the stomach. Small pause. Endoscope then also beings to move out of the stomach.

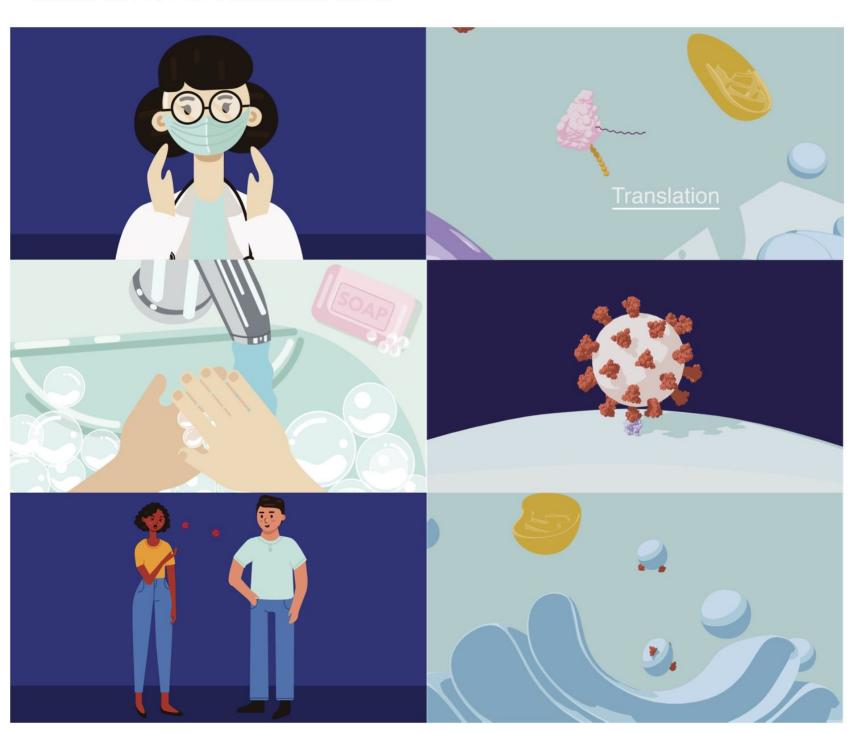


Credits: Animated By: Claire Hannon

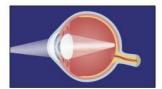
Stomach fades out. Credits fade in. Credits fade out.



Covid-19 2D / 3D Animation Stills



Claire Hannon Presbyopia Storyboard



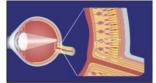
Next light passes through the lens which works together with the cornea to focus light correctly on the retina.

Light beam moves through the lens and focuses on the fovea centralis.



To see an image the eye focuses through accommodation.

Brain and photorecoptors pan off screen to the right to return to sagittal eye. box and lead lines fade out. Accommodation fades onto screen.



When light is absorbed by the retina, special cells called photoreceptors turn the light into electrical signals.

Sagittal eye zooms out and to the left. Box highlights part of the retina. Lead lines and photoreceptors wipes onto screen. electrical signal moves from cell down optic nerve (arrows indicate direction)



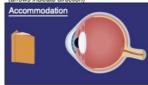
Contraction of the ciliary body regulates the lenses curvature.

Book fades onto screen.



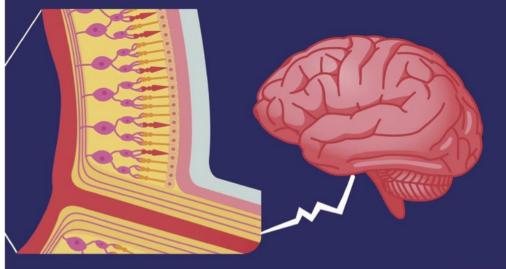
These electrical signals then travel from the retina to the optic nerve to the brain which then turns the signals into the images you see.

Photoreceptors move to the left and brain fades in. Electrical signal travels to brain. After a short pause, electrical signal travels back to the retina. (arrows indicate direction)

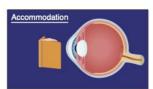


To focus on distant images the ciliary body relaxes, causing the curavture of the lens to flatten.

Book moves to the left, away from the eye. Lens flattens



Claire Hannon Presbyopia Storyboard



And to focus on close images, the muscles contract to thicken the lens.

Book moves to the right, closer to the eye. The lens contracts to become more spherical.



This is diagnosed as presbyopia or farsightedness related to aging.



However, as we age the lens hardens, and the muscle fibers become less elastic, making it harder for the lens to accommodate.

Cuts to the character reading. Her eyes move back and fourth to indicate reading.



This causes objects at a close distance to appear blurry.

Cuts to the book in her hands. Becomes blurry.

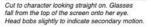


Presbyopia is a natural part of aging and may become noticeable in your early to mid



Glasses and contacts compensate for presbyopia by magnifying close images.

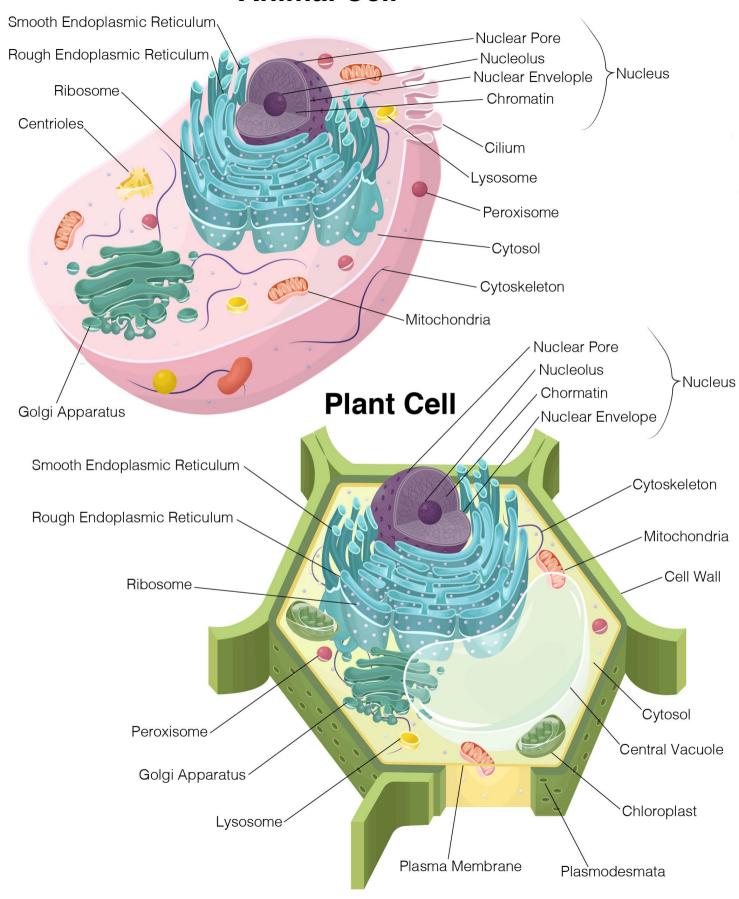
Cut back to character reading and starts to zoom onto the characters face. Eyes will still move back and fourth to indicate reading.

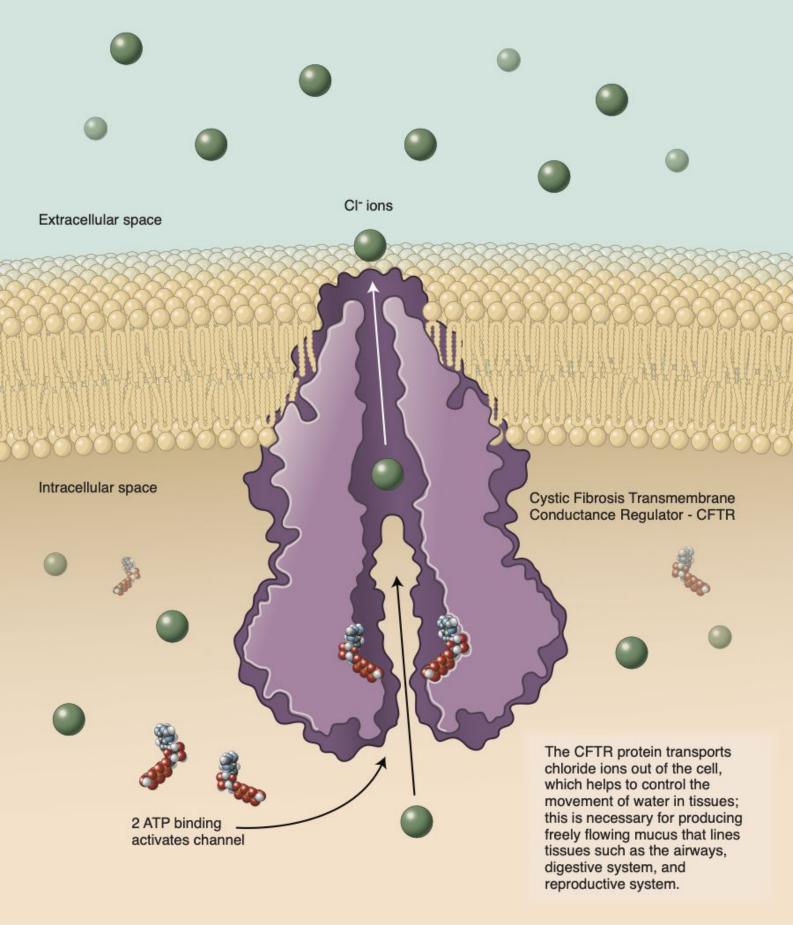




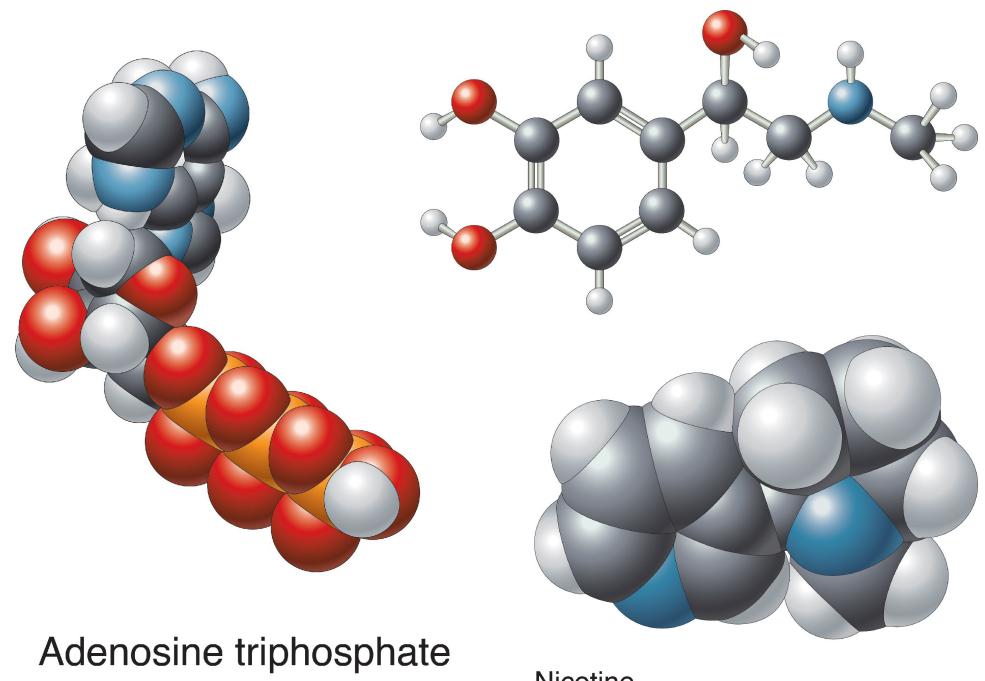
Book comes back into focus. Text in the book is emphasized letter by letter going along with the audio.

Animal Cell



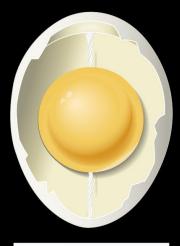


Epinephrine



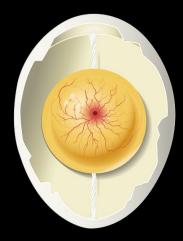
Nicotine

Embryonic Development of Gallus Gallus Domesticus



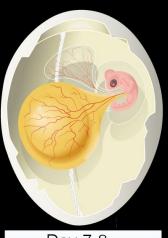
Day 1-2

No devleopment



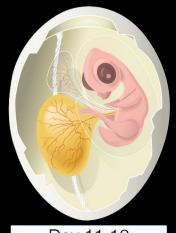
Day 3-4

- Heart Beats
- Blood Vessels are visable
 - Eye is Pigmented



Day 7-8

- Feather tracts are seen
- Egg tooth begins to appear



Day 11-12

- Toes fully form
- First few feathers apparent



Day 15-16

- Gut is drawn into abdominal cavity
- Albumen is nearly gone



Day 19-20

- Yolk sac draws into body
- Embryo becomes a chick Ready to hatch



Bee Hummingbird Mellisuga helenae

The bee hummingbird is the smallest bird in the world at about 2 inches tall and weighing around .0560-071 ounces. They are so small they are often mistaken for bees, which is how they earned their name. Bee humminbirds build their nests an inch across and lay eggs the size of coffee beans. They are endemic to Cuban forests where they pollinate around 1,500 flowers a day. Bee hummingbirds can fly up to 25-30 miles per hour and beat their wings 80 times per second. They are near threatened due to habit destruction

