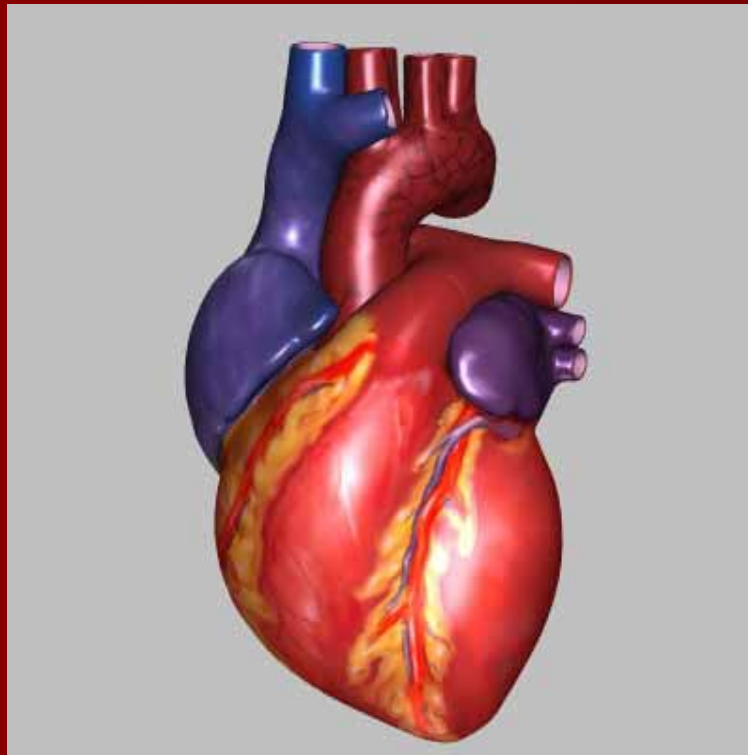


# Cardiovascular System



By:

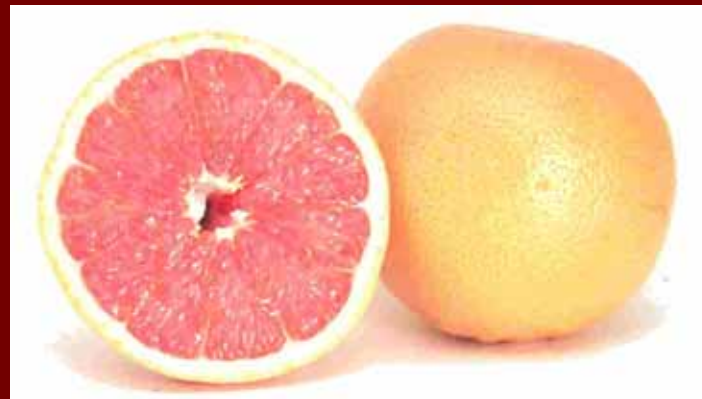
Michael C. and Justin F.

# Purpose of the Heart

- It is the blood transporting network of arteries ,veins ,and vessels.
- It's job is to carry oxygen and vital nutrients to all parts of the body.
- It also pumps blood through arteries and smaller vessels to all parts of the body.

# Interesting Facts

- The size of a large man's closed fist.
- Most important organ in the human body.
- The size of a grapefruit.
- Needs a generous supply of oxygen.
- Beats about 72 times per minute.



# Fun Facts

- An adult heart pumps 4,000 gallons of blood a day.
- Risk of Heart Attack higher on Monday than any other day.
- Beats 30 million times a year!
- Adult body contains 60,000 miles of blood vessels.



# Diseases

- Heart Attack
- High Blood Pressure
- High Cholesterol
- Arrhythmia

# Heart Attack



- The sudden death of part of the heart muscle.
- Each year about 1 million people have a Heart Attack.
- The single most common cause of death.
- Smokers are more likely to suffer than non-smokers.
- Men are more likely to suffer than women.

# High Blood Pressure

- 60 million people have high blood pressure.
- Can be controlled by change of diet and life style.
- Can cause a stroke or heart attack.

# High Cholesterol

- A good cholesterol count is 200 or below.
- Good cholesterol is called HDL, High Density Lipoprotein.
- Bad cholesterol is called is called LDL, Low Density Lipoprotein.

# Arrhythmia

- Originates in the electrical nerve impulse of the heart.
- The beat rate is 200 to 400 beats per minute.
- Caffeine and other drugs can cause arrhythmia.

# Famous Doctors

- Christiaan Barnard
- James Hardy

# Christiaan Barnard

- Performed first human to human heart transplant in 1967.
- Heart transplant performed on Lewis Washkansky.
- Christiaan succeeded in performing the transplant.
- The patient died 18 days later.



# James Hardy

- Attempted to transplant heart of chimpanzee into human.
- This was the first and only time attempting this in America.
- News of experiment poorly received.
- Patient died after a few hours.



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