



The History of Medicine

Famous People
Inventions
Advances

Early Surgeons

- Evidence of primitive skull operations date back to 3500 B.C.
- Records of healthcare have dated back to the Egyptians
- Early medicine was more closely related to magic or religious rites
 - *medicine men*
 - *witches*
 - *quacks*
 - *caused by demons and evil spirits*



Early Treatment

- **Herbs**
- **Diet and cleanliness**
- **Nourish spirit and body**
- **Poppy Seeds for pain relief due to opium being derived from the seeds**



Egyptians

- **First known medical record**
- **extensive pharmacopoeia**
- **Non-invasive surgery**
- **Imhotep first doctor known**
- **Set Bones**



Other Ancient Facts

- Romans implemented sewers for waste and aqueducts for clean water
- Chinese believed in nourishing the body
- The bubonic plague killed 75% of Europe and Asian population
- It wasn't until the 19th century that life span increased to 40-65 years



The Father of Medicine

- Hippocrates - born in Greece in 460 B.C.
 - Wrote a set of medical standards now known as the Hippocratic Oath
 - Stressed the importance of cleanliness and diet
 - discovered you could trace course of certain diseases by listen to the patient's chest

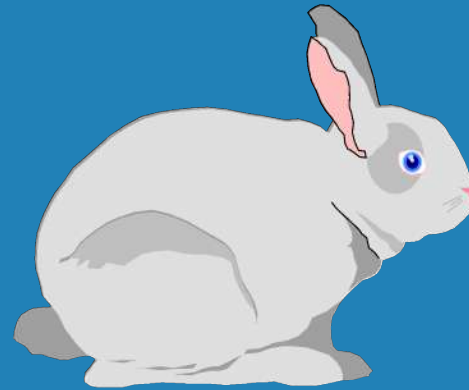


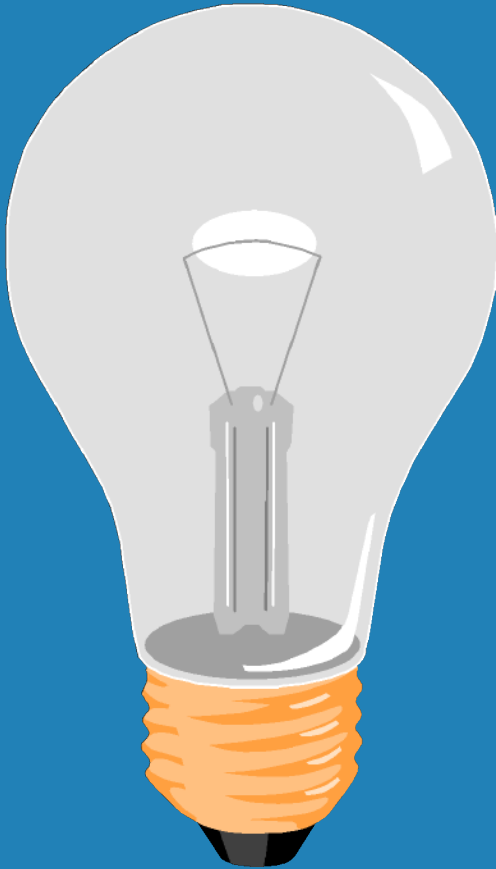
Modern Medical Pioneers

- **Andreas Vesalius**
- **Detailed studies of anatomy**
- **Gabriele Fallopius**
- **Anatomical terms**
- **William Harvey**
- **Detailed studies of the heart**
- **Galen**
- **Used pulse to measure patients health status**

More Pioneers...

- John Hunter...
(founder scientific surgery) first to introduce artificial feedings using a flexible tube passed into the stomach.
- Sir Alexander Fleming....PCN!!!





- Edward Jenner - introduced the use of vaccines and developed smallpox vaccine.
- Joseph Lister - laid the foundation for aseptic techniques
- Walter Reed - discovered the cure for yellow fever

FAMOUS WOMEN IN HISTORY

- Florence Nightingale - served in Crimean war reducing the hospital death rate by $\frac{2}{3}$'s, founder nursing
- Clara Barton - served in the civil war, founder of Red Cross in the USA
- Elizabeth Blackwell - first female physician in the USA
- Gerty Cori - first women to win Nobel Prize in field of medicine

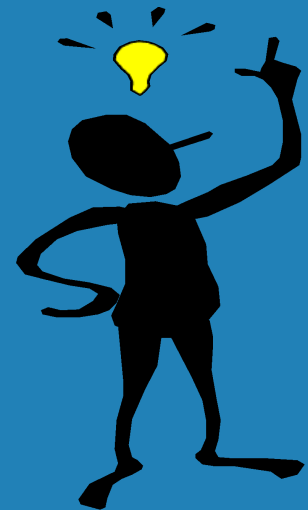


More Famous Women in Medicine

- Dr. Aletta Jacobs - Holland's first female physician and founder of the first birth control clinic
- Marie Curie - Nobel Prize winner for her discovery of the element radium, which later was used in the treatment of cancer
- Trotula Platearius - author "Diseases of Women"

Nobel Prize Winners

- Elias Metchinkoff - “Ways WBC’s protect from disease
- Alexis Carrel - research in joining blood vessels together

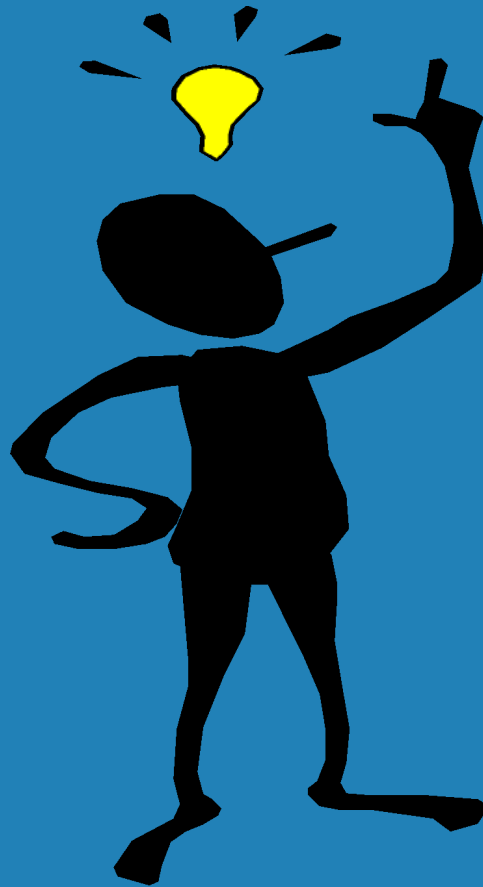




Other Famous Practitioners

- Holmes
- Coined the word anesthesia
- Pasteur
- Invented the process of pasteurization
- Goldsmith
- Instituted nutritional training for med students

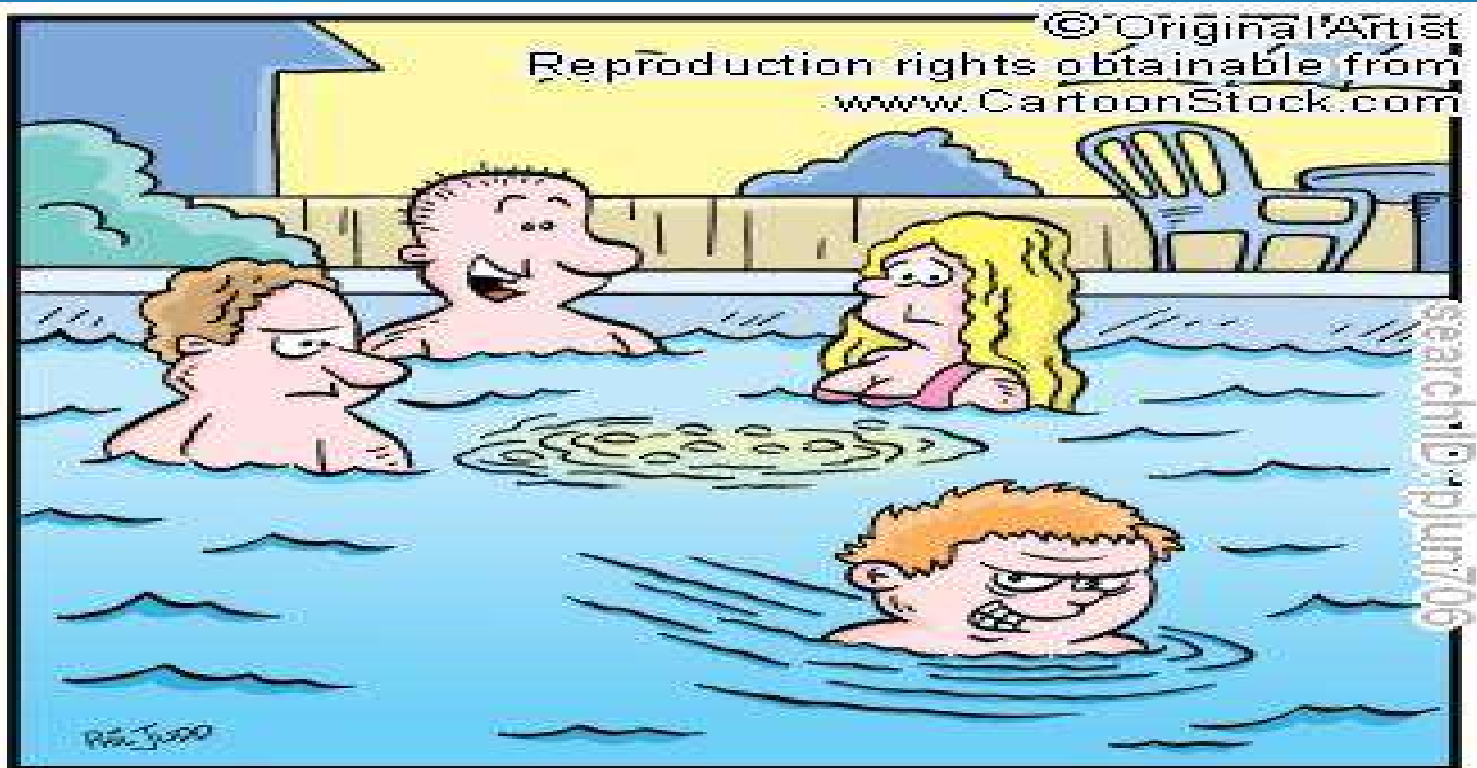
Medical Inventions...



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- Dr. Laennec - inventor of the stethoscope
 - Anton van Leeuwenhoek - amateur scientist inventor of the biconvex lens that led to the invention of the microscope

- Wilhelm Roentgen - discovered the x-ray or roentgen ray

Little known facts about sanitation



"I didn't know you had this
pool heated!"



Ancient Egyptians rubbed urine in their skin to treat cuts and burns

- **Urea is known to kill fungi and bacteria**

Tooth brushing wasn't part of the daily routine until WWII

The first toothbrush was made in China in 1498 out of pigs hair.





Modern day Advances

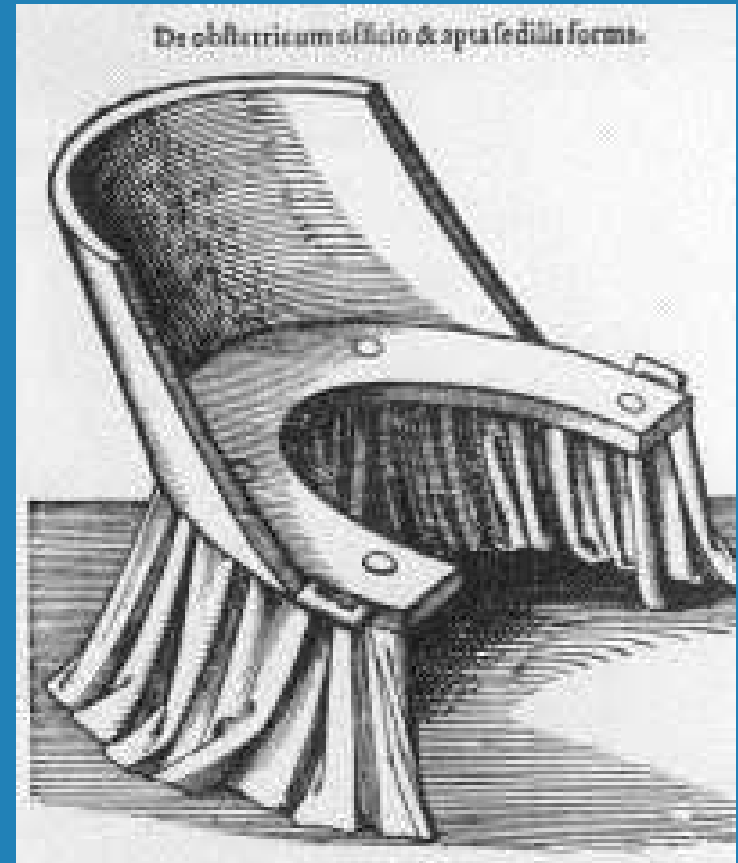
20th century brought : open heart surgery, computer technology, DNA structure, gene research, x-ray technology, HealthCare plans

21st century: Stem cell and cloned cell research, human genome project, bioterrorism, biologic warfare, virus pandemics.

One quarter of all women died in childbirth in Europe and America during the 17 – 19th centuries by infections spread from unhygienic nurses



Elias Borsse, Interior, Family scene with Newborns, 1665-1670.



Remotes in hospital have been found to carry the MRSA bacteria

Wash Everything!

