

# History of Medicine

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# Began 6400 years ago

- God's creation
- Biblical writings
- Historical writings

Responsibility of stewardship for health of  
animals and land

Stewardship of protection of human health

# Human and animal doctors

- Not science-based
  - biblical writings
  - historical writings
  - trial and error
  - experiences
  - myths
- Science-based
  - veterinary schools – early 1700s

# Not science-based

- Bleed out
- Fly maggots
- Herbs
- Injecting blood

# Science-based

- Microscope
- Germs
- Drugs
- Normal functions
- Normal tissues
- Abnormal functions
- Abnormal tissues

# Advancements in sciences

- Radiology
  - x-ray
  - radiation
  - ultra-sound
  - digital imagery

- Biotechnology
  - genetic-engineering/molecular genetics
    - gene deletions
    - recombinant DNA
    - recombinant hormones
    - monoclonal antibodies
    - DNA probes
    - embryo splitting (twinning)
    - nuclear transfer/cloning (twinning)
  - immuno-hema-chemistry
  - immuno-histo-chemistry