

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