

Introduction to
Medical
informatics



by

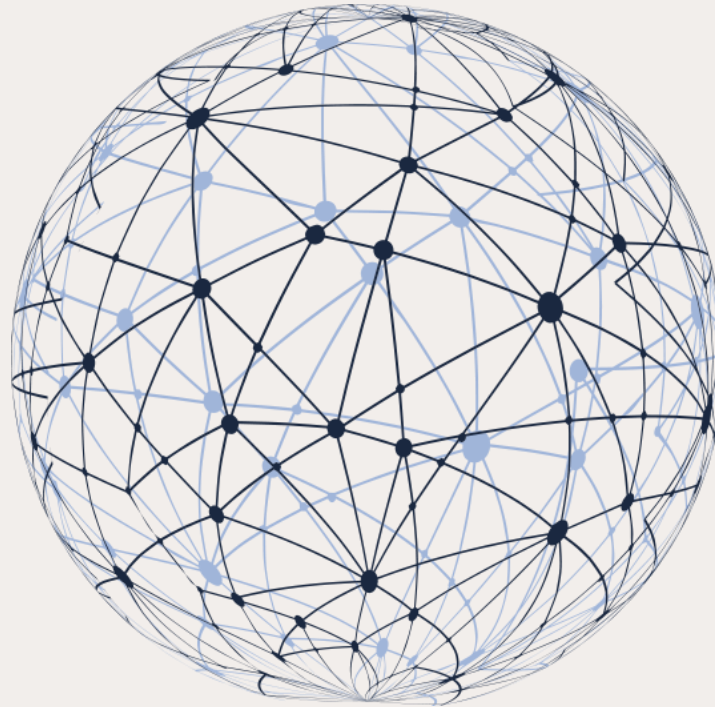
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Objectives

01.

Introduction to information
Technology



02.

what is Medical Informatics



I n f o r m a t i o n T e c h n o l o g y

- is the use of computer systems or devices to access information.
- Information technology is responsible for such a large portion of our workforce, business operations and personal access to information.
- Whether you are storing, retrieving, accessing or manipulating information, IT greatly impacts our everyday lives.
- Information technology is used by everyone from enterprise companies all the way down to one-person businesses and local operations.
- Global companies use it to manage data and innovate their processes
- Even in market sellers use smartphone credit card readers to collect payments.



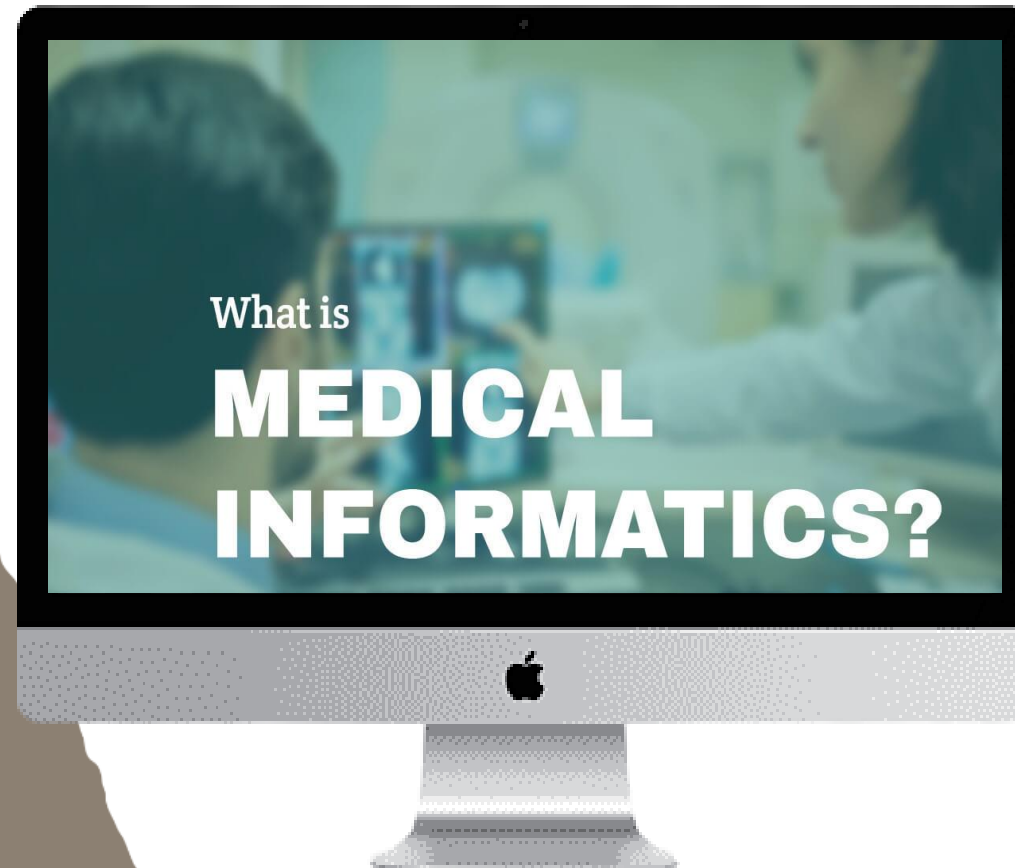
Healthcare functions and Information Technology



02.

Medical Informatics

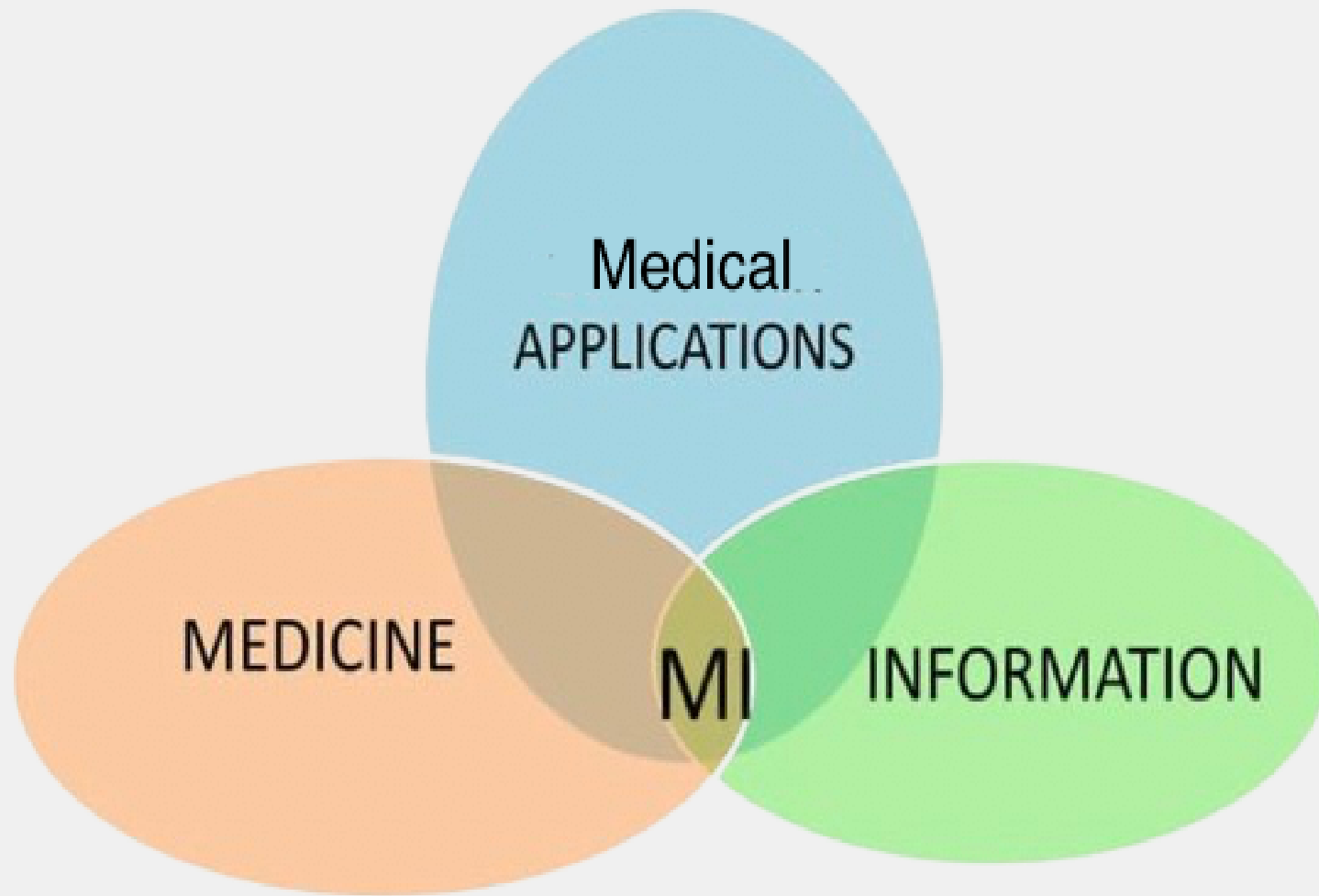
Learn what is the
medical informatics



Medical Informatics

- is a sub-discipline of health informatics where skills in both medical and computer sciences come together in an effort to improve healthcare and patient outcomes.
- The goal of medical informatics is to ensure patients have access to critical medical information at the exact time and place needed to make medical decisions.
- Medical informatics also focuses on managing medical data for research and education
- Medical informatics is a fast-growing field that involves the collection and analysis of healthcare data





Medical informatics applications and fields of work

01. Clinical informatics

03. Informatics analyst

05. Informatics specialist



02. Pharmacy or nutrition informatics

04. Nurse informatics

06. Informatics manager



The main positives of medical informatics

01.Reduce the cost

02.Enhance coordination

03.Store patient records
better and more efficiently

04.Patient empowerment

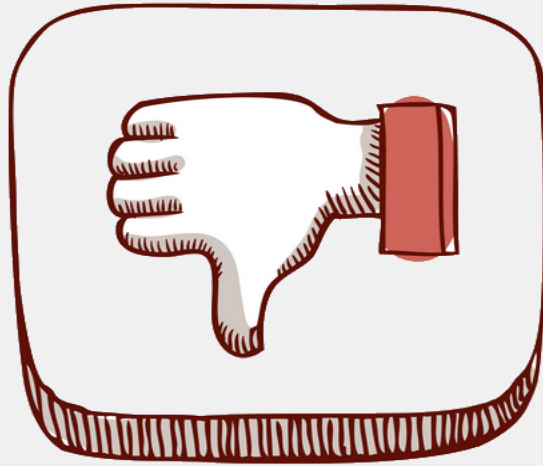
05.Improve results

06.Patient privacy



The most important disadvantages of medical information

01.They require time to adapt quickly.



02.Overreliance on technology

03.Hacker threats on the Internet

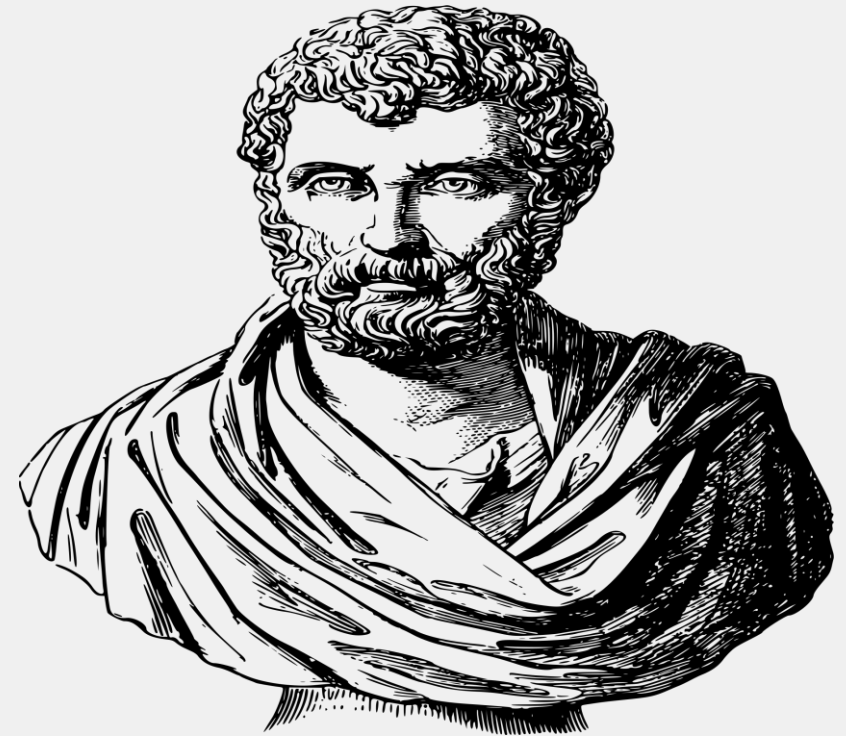


Medical Informatics Term

The term of medical information dates from the second half of the 1970s and was Borrowed from the French expression *informatique médicale*

..Before that time, other names were used such as:

- medical computer science
- Medical information science
- Computers in medicine
- Nursing informatics
- Dental informatics



Why Learn Medical Informatics?

- Computers are fast and affordable today.
- And we want computers and IT shape our future now!
- Health informatics is the practice of acquisition, study and management Health data and application of health-related medical concepts Information technology systems to help doctors provide better health care.
- Health informatics, sometimes known as healthcare informatics, has grown as an evolving science with the expansion of electronic health records (EHRs) and health data analytics systems.



THANK YOU
FOR LISTENING