



Foundations of Medicine

Lifelong Learning for Medical Students and Doctors

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In an era of rapid advancements in medicine and technology, the ability to continuously learn and adapt is not just a skill—it's a necessity.

The Importance of Lifelong Learning in Medicine

Why Lifelong Learning Matters:

- **Medicine is a dynamic field.** New research, treatments, and technologies emerge constantly.

- Lifelong learning ensures that healthcare professionals provide the best possible care to patients.

- It fosters professional growth, adaptability, and resilience in a rapidly changing healthcare environment.

Challenges to Lifelong Learning:

- **Information overload:**

The sheer volume of medical literature can be overwhelming.

- Time constraints:

Balancing clinical duties, research, and personal life.

- Keeping up with technological advancements:

From AI to telemedicine, technology is reshaping healthcare.

The Role of Information Science in Medicine

What is Information Science?

- Information science

is the study of how information is collected, organized, analyzed, and disseminated.

- In medicine,

it involves managing vast amounts of data,
from patient records to research studies.

Key Skills for Medical Professionals:

- **Information Literacy:**

The ability to identify, evaluate, and use information effectively.

- **Data Management:**

Understanding how to store, retrieve, and analyze data.

- **Critical Appraisal:**

Assessing the quality and relevance of medical literature.

Applications in Medicine:

- **Evidence-based practice**: Using the best available evidence to guide clinical decisions.

- **Research:**

Conducting systematic reviews, meta-analyses, and clinical trials.

- Patient care:

Leveraging data to personalize treatment plans.

Thanks for your listening