



Foundations of Medicine

Integrating Information Science, Technology, and Library Skills

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Leveraging Technology for Lifelong Learning

Digital Tools for Learning:

- Online Courses and Webinars:

Platforms like Coursera, edX, and Medscape offer courses on a wide range of medical topics.

- **Mobile Apps:** Apps like UpToDate, DynaMed, and Epocrates provide quick access to medical information.
- **Simulation Tools:** Virtual reality (VR) and augmented reality (AR) for surgical training and patient care.

Artificial Intelligence (AI) in Medicine:

- AI can assist in diagnosing diseases, predicting outcomes, and personalizing treatments.

- Tools like IBM Watson and Google DeepMind are revolutionizing healthcare.





IBM.

Telemedicine and Remote Learning:

- Telemedicine allows doctors to consult with patients and colleagues remotely.
- Remote learning platforms enable access to global expertise and resources.



The Role of Libraries in Lifelong Learning

Modern Medical Libraries:

- Libraries are no longer just physical spaces with books. They are digital hubs of knowledge.
- They provide access to journals, databases, e-books, and other resources.

Key Resources:

- **PubMed**: A free database of biomedical literature.
- **Cochrane Library**: A collection of systematic reviews and meta-analyses.
- **ClinicalKey**: A comprehensive clinical search engine.

Librarians as Allies:

- Medical librarians are experts in information retrieval and can help you navigate complex databases.
- They can assist with literature searches, citation management, and research support.

Strategies for Effective Lifelong Learning

Set Clear Goals:

- Identify areas where you need to improve or update your knowledge.
- Create a learning plan with specific, measurable objectives.

Stay Organized:

- Use tools like reference managers (e.g., EndNote, Zotero) to organize your research.
- Keep track of your learning progress with journals or digital portfolios.

Engage in Continuous Reflection:

- Reflect on your clinical experiences and identify gaps in your knowledge.
- Seek feedback from peers, mentors, and patients.

Study and Research Collaboration:

- Join professional organizations, attend conferences, and participate in online forums.
- Collaborate with colleagues on research projects and case studies.

Embrace a Growth Mindset:

- View challenges as opportunities to learn and grow.
- Stay curious and open to new ideas.

Conclusion

Lifelong learning is the cornerstone of a successful medical career.

By integrating information science, technology, and library resources into your practice, you can stay ahead in the ever-evolving field of medicine.

Remember, the journey of learning never ends—it's a continuous process that enriches both your professional and personal life.

Thanks for your listening