

Undergraduate Medical Education (UME) Program Objectives

A. PATIENT CARE AND PROCEDURE SKILLS

Core Competency: *Demonstrate compassionate, appropriate, and effective care for the treatment of health problems and the promotion of health.*

1. Obtain an accurate history, covering essential medical, personal, and socioeconomic considerations.
2. Perform accurate physical and behavioral health examinations appropriate to patient presentation.
3. Construct a prioritized differential diagnosis for common presenting complaints.
4. Construct and present a clinical assessment and treatment plan.
5. Explain and demonstrate the practice of informed consent in patient care.
6. Demonstrate the use of information technology for the retrieval and application of biomedical information in clinical problem-solving and medical decision-making.
7. Order, interpret and apply information from diagnostic imaging, laboratory tests and pathologic evaluations of common conditions.
8. Demonstrate the ability to use the electronic health record in caring for patients.
9. Demonstrate the ability to assess pain, and describe the indications and limitations of common pain management strategies.
10. Identify and participate in the management of critical medical conditions.
11. Perform and document common diagnostic and therapeutic procedures.

B. MEDICAL KNOWLEDGE

Core Competency: Demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, social and behavioral sciences, and the application of this knowledge to patient care.

The Scientific Basis of Medicine

1. Identify the normal anatomy, histology, and embryology of major tissues, organs and organ systems.
2. Explain the normal development and physiology of major tissues, organs and organ systems of the human body.
3. Explain the biochemical, molecular, and cellular mechanisms important for maintaining homeostasis.
4. Explain the principles of medical genetics and their application to clinical practice.

Systems and Disease Processes

5. Explain the major molecular and cellular mechanisms of disease and explain how they alter the normal anatomic and histologic structures of major organs and organ systems.
6. Explain how disease alters the normal functions of the major organ systems of the body.
7. Explain the scientific basis of normal and abnormal human behavior.
8. Explain the basic principles of pharmacology.
9. Identify the clinical indications for commonly used therapeutic agents.
10. Identify the actions, interactions and toxicities of commonly used drugs.
11. Identify the risk factors for acquiring common diseases and prognostic factors for adverse outcomes.
12. Explain the normal physiologic and psychosocial characteristics, and the common pathologic processes, of human growth, development and aging.

Evaluation of Clinical Information

13. Apply basic principles of clinical, laboratory, and imaging tests for clinical screening and diagnosis, and critically evaluate their limitations.
14. Discuss the importance of the scientific method in establishing causation of disease and evaluating therapeutic options.
15. Demonstrate the ability to critically evaluate and interpret scientific and medical literature and to apply findings to clinical situations.

Health Promotion and Disease Prevention

16. Identify the social determinants of health and disease.
17. Explain and apply effective clinical approaches to prevention and early detection of common diseases.

C. PRACTICE-BASED LEARNING AND IMPROVEMENT

Core Competency: Demonstrate the ability to investigate and evaluate one's own patient care, appraisal and assimilation of scientific evidence, and improvements in patient care.

1. Continually self-assess one's strengths and areas for improvement, and pursue a plan for improvement.
2. Accept and incorporate into clinical practice the feedback received from patients and colleagues.
3. Formulate relevant questions and utilize appropriate resources to answer them.
4. Interpret and appropriately apply practice guidelines in the diagnosis, treatment and prevention of disease.
5. Explain the role of practice-based data analysis in improving care for individual patients.
6. Demonstrate skills necessary to support independent lifelong learning and ongoing professional development.

D. INTERPERSONAL AND COMMUNICATION SKILLS

Core Competency: Demonstrate effective information exchange and teaming with patients, their families, and other health professionals.

1. Demonstrate effective listening and speaking skills when communicating with patients and their families.
2. Assess health care literacy and adapt to the patients' comprehension while educating them about their medical conditions and treatments.
3. Develop mutually agreed upon goals for care with patients and families.
4. Demonstrate effective written and verbal communication skills with all members of the health care team.
5. Demonstrate respect for cultural and ethnic backgrounds of patients and their families and other members of the health care team.
6. Recognize and communicate effectively about pain and emotional distress with patients and their families.
7. Demonstrate effective attention and communication during transitions of care between members of the health care team.

E. PROFESSIONALISM

Core Competency: Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

1. Explain the principles governing ethical decision-making, including those that arise at the beginning and end of life.
2. Explain the ethical principles governing research involving human subjects.
3. Demonstrate compassion, sensitivity and respect for patients.
4. Explain and uphold the legal and ethical principles of patient confidentiality and autonomy.
5. Demonstrate honesty and integrity in all interactions with patients, patients' families, and members of the health care team.
6. Identify and disclose conflicts of interest in the practice of medicine.
7. Explain how to identify and report disruptive or unprofessional behavior or distress in colleagues and self.
8. Demonstrate an understanding of medicolegal principles pertaining to standard of care and informed consent.
9. Demonstrate professional judgment in the use of electronic and social media.
10. Demonstrate accountability by completing academic and patient care responsibilities in a timely manner.
11. Demonstrate social responsibility and community service in the care of patients and communities.

F. SYSTEMS-BASED PRACTICE

Core Competency: Demonstrate an awareness of and responsiveness to the larger context and system of health care, and the ability to effectively call on system resources to provide care that is of optimal value.

1. Explain health care delivery systems and resource allocation and their potential effects on the health of patients and communities.
2. Explain the principles of organizational governance and how to best effect change within the health system.
3. Explain a systems approach to assuring patient safety, including methods to improve safety and reduce medical errors.
4. Demonstrate the ability to participate effectively as a member of interprofessional teams caring for patients.
5. Explain the role of quality measures and population-based data in improving patient care.
6. Explain the factors affecting variations in clinical practice and health care delivery