

## **GRADUATION COMPETENCIES - EDUCATIONAL PROGRAM OBJECTIVES**

**Competency I. UCDSOM graduates will provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.**

### **Educational Program Objectives**

- I-1. Perform evidence-based history and physical examination tailored to the presentation of the patient and the clinical setting, including the patient's cultural background and communication ability.
- I-2. Organize, synthesize, and interpret information obtained from patient records, history and physical examination to construct a rational differential diagnosis and devise a cost-effective, evidence-based plan for management of the patient.
- I-3. Modify the management plan as necessary to optimize care of the patient by incorporating results of diagnostic tests, procedures, consultations, and responses to therapy.
- I-4. Accurately document subjective and objective findings, assessments, and plans in the medical record according to established guidelines.
- I-5. Clearly and efficiently present patients to attending and resident physicians, consultants, peers, and allied health professionals.
- I-6. Employ a systematic approach to clinical reasoning and problem-solving that begins with problem recognition, ends with case resolution, and explicitly acknowledge the degree of uncertainty at each step.
- I-7. Organize, synthesize and interpret information obtained from the medical literature and reason deductively.
- I-8. Incorporate a broad knowledge of the biomedical sciences and an understanding of pathophysiology into the clinical reasoning process.
- I-9. Retrieve patient information from and document patient information in electronic and paper-based clinical information systems while safeguarding patient confidentiality.
- I-10. Articulate the strengths and limitations of medical technology and evidence-based medicine.
- I-11. Provide treatment in a culturally sensitive manner.
- I-12. Understand the importance of costs to patients in determining health outcomes and utilize health care costs in medical decision-making.
- I-13. Understand the approach to and management of patients with chronic illness including:
- The importance of the team approach
  - The application of social and behavioral science to management
  - The importance of telemedicine in ongoing follow up
  - The impact of impairment and disability
  - Effective control of pain
  - Care of the dying patient
- I-14. Acquire the ability to recognize patients with immediately life threatening conditions and institute appropriate initial therapy.
- I-15. Be able to identify opportunities for early intervention (screening), prevention, health education, communicable disease control and take action when necessary, taking in to account barriers to change at both the population and individual level.
- I-16. Think creatively outside usual bounds of standard practice when appropriate.
- I-17. Demonstrate the ability to perform basic diagnostic and therapeutic procedures.

**Competency II. UCDSOM graduates will demonstrate knowledge about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care.**

### **Educational Program Objectives**

- II-1. Understand the normal human structure and function relevant to the understanding of human disease.
- II-2. Describe the etiology, pathogenesis, structural and functional manifestations of representative diseases for all organ systems of the human body.
- II-3. Describe the context of specific diseases in terms of prevalence, morbidity and mortality within society and for specific populations.
- II-4. Utilize a vocabulary of disease for communication to colleagues, patients and families.
- II-5. Understand pharmacological principles of treatment using drugs and efficacy of therapeutic measures in management and symptom relief.
- II-6. Understand etiology and risk factors for disease prevention, principles of disease surveillance, screening, and health needs assessment.
- II-7. Understand the basics of normal human development and range of behavior at each stage of the life cycle (infant, toddler, school age, adolescent, adult, geriatric).
- II-8. Understand the major tenants of behavioral and psychoanalytic theories and their application to clinical medicine.

II-9. Demonstrate awareness of the impact of sociocultural factors on patients, practitioners, the clinical interaction, and interpersonal relationships by:

- Respecting diversity
- Respecting different lifestyles, cultures, religions
- Understanding the root cause of prejudice
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**Competency III. UCDSOM graduates will exhibit interpersonal and communication skills that result in effective information exchange and teaming with patients, their patients' families, and professional associates.**

#### **Educational Program Objectives**

III-1. Establish and maintain effective, empathetic, therapeutic doctor-patient (and patient family) relationships across a range of clinical environments and situations, optimizing the care of each patient based on their unique psychosocial and cultural milieu.

III-2. Establish and maintain effective, collaborative professional relationships with peers, colleagues, and allied health care professionals.

III-3. Provide constructive feedback to colleagues, and use feedback from multiple sources to improve professional skills.

III-4. Establish, maintain and model effective, empathetic, therapeutic relationships across a range of communication environments including:

- Active listening
- Mediating and negotiating
- Safeguarding autonomy, confidentiality
- Eliciting patient preferences
- Building and maintaining effective relationships

III-5. Understand and utilize shared decision-making in areas where there is uncertainty.

III-6. Communicate with learners (students, colleagues, or other professionals) as a teacher and mentor.

**Competency IV. UCDSOM graduates will demonstrate a commitment to professionalism in carrying out their responsibilities with adherence to ethical principles, and sensitivity to a diverse patient population.**

#### **Educational Program Objectives**

IV-1. Pursue excellence through commitments to professional competence.

IV-2. Participate in self-regulatory activities, both professional governance and self-reflection.

IV-3. Recognize professional behavior as most tested and apparent when managing value conflicts, including conflicts of interest.

IV-4. Recognize personal limits in knowledge, experience, ability, and resources.

IV-5. Understand and apply core ethical concepts, principles, and terms, including:

- Autonomy
- Beneficence
- Nonmaleficence
- Justice

IV-6. Demonstrate an ability to utilize core ethical concepts in discussing, analyzing, and formulating well-reasoned conclusions in specific clinical cases.

IV-7. Demonstrate familiarity with the primary sources of law affecting medical practice and research, including key federal statutes, precedent-setting judicial decisions, and common forms of state law, including:

- Child abuse
- Domestic violence
- Drug prescribing
- Death certification
- Reporting of other providers who engage in adverse medical care

IV-8. Understand the roles of ethics committees, review boards, and other institutional resources and policies play in the clarification and analysis of ethical issues in patient care and clinical research.

IV-9. Demonstrate acceptance of the physician's responsibility to understand the cultural dimensions of health and illness while recognizing their own personal biases and reactions to persons from different backgrounds.

**Competency V. UCDSOM graduates will demonstrate knowledge of system-based practice, i.e., 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.**

**Educational Program Objectives**

- V-1. Understand principles of healthcare planning, triage/prioritization, and basic health care economics including types of insurance and cost controls.
- V-2. Work effectively in their health care team by knowing and respecting the roles and inter-relationships of the major health professions.
- V-3. Utilize common principles, mechanisms, and terminology used by third-party payers, and understand cost-control processes. Consider health-care costs in medical decision-making.

**Competency VI. UCDSOM graduates will acquire life-long learning skills.**

**Educational Program Objectives**

- VI-1. Demonstrate an inquisitive nature, information management skills, and critical evaluation framework necessary to sustain life-long learning.
- VI-2. Acquire a life-long commitment to self-care, to allow excellent patient care.
- VI-3. Acquire a life-long commitment to clarifying personal values, beliefs, motivations, strengths, and limitations relevant to his/her practice of medicine.

**Competency VII. UCDSOM graduates will learn how to approach practice-based learning.**

**Educational Program Objectives**

- VII-1. Perform self-evaluation of his/her patient care practice.
- VII-2. Use feedback to continually enhance knowledge, skills and professional behavior.
- VII-3. Teach patients and health colleagues effectively using specific, task-specific educational strategies.