

Medical Student Education Objectives

Medical Knowledge



The student will demonstrate knowledge of:

- K1. the normal structure and function of the body and of each major organ system, including embryology, growth, and development.
- K2. the molecular and cellular mechanisms that are important for maintaining the body's homeostasis.
- K3. the etiology, pathology and pathophysiology of human diseases.
- K4. the epidemiology of common and/or important diseases and conditions and the systematic approaches useful in reducing their incidence and prevalence.
- K5. the important factors, such as psychological, environmental, genetic, nutritional, social, economic, religious, cultural, and developmental, that influence wellness and the development or continuation of disease, as well as their impact on patients and families.
- K6. the clinical, laboratory, and imaging manifestations of common and/or important diseases and conditions.
- K7. the important pharmacological and non-pharmacological methods available for the prevention and/or treatment of disease, their known cellular and molecular mechanisms of actions, and factors that govern their use such as risks, benefits, cost assessments, and effects of age.
- K8. the scientific method to generate and/or evaluate data pertinent to the field of medicine.
- K9. the theories and principles that govern ethical decision-making and major ethical dilemmas in medicine.
- K10. the general characteristics of the organization, financing, and delivery of health care.

Medical Skills



The student will demonstrate the ability to:

- S1. obtain a relevant medical history on patients of all age groups, appropriate to the patient's condition.
- S2. perform a physical examination, including a mental status examination, on patients of all age groups and appropriate to the patient's condition.
- S3. document the history and physical examinations and progress of a patient in a concise, complete, and meaningful way.
- S4. establish rapport and demonstrate empathy with patients and their families.
- S5. react appropriately to difficult situations involving conflicts, non-compliance, and ethical dilemmas.
- S6. perform routine, common, and/or important technical procedures.
- S7. appropriately order and interpret results of routine, common and/or important diagnostic tests.
- S8. recognize common and/or important abnormal clinical findings.
- S9. develop a problem list, formulate a differential diagnosis, and apply effective problem-solving skills in patient care.
- S10. critically review and integrate multiple information sources, including contemporary information technology.
- S11. provide patient education and communicate effectively with patients, their families, colleagues, members of the healthcare team, and the community.
- S12. identify individuals at risk for disease and select appropriate preventive measures.
- S13. recognize limitations in one's knowledge and clinical skills.
- S14. recognize acute life-threatening conditions and initiate appropriate intervention.
- S15. recognize and propose initial management of common acute conditions.
- S16. outline management of patients with chronic conditions requiring long-term followup, rehabilitation, and/or comfort care.
- S17. reevaluate the management plan as the condition of the patient evolves.
- S18. work as a team member with health care professionals of multiple disciplines.

Medical Attitudes and Values



The student will demonstrate:

- A1. compassion for patients and respect for their privacy and personal dignity.
- A2. honesty, respect, and integrity in interactions with patients, their families, colleagues, faculty and staff, and all members of the healthcare team.
- A3. reliability, availability, and timeliness of task completion with respect to patients, faculty, and colleagues.
- A4. sensitivity to issues of culture, race, age, gender, religion, sexual orientation, and disability in delivery of healthcare.
- A5. commitment to high ethical standards.
- A6. commitment to advocate for the interests of patients.
- A7. commitment to ameliorate the suffering of patients and to continue to care for dying patients.
- A8. commitment to learning in order to stay abreast of medical advances.
- A9. commitment to serve the local and professional community.
- A10. commitment to health promotion and disease prevention practices.
- A11. a willingness to recognize and appropriately remediate personal errors made in the course of his/her medical education.
- A12. a willingness to collaborate with others in caring for patients.



SANFORD SCHOOL OF MEDICINE

The University of South Dakota