

Common Course Outline

PAST 223

Medicine IV

5 Credits

The Community College of Baltimore County

Description

Medicine IV

Prepares Physician Assistant students for management of disease in the adult patient; the fourth of four courses.

Overall Course Objectives

The student will be able to:

- A. Discuss the normal structure and function of the systems involved;
- B. Describe the presenting signs and symptoms of the disease entity;
- C. Relate the presenting signs and symptoms to the pathophysiologic mechanism of the disease;
- D. Discuss the appropriate adjunctive laboratory or clinical procedures necessary to affirm the diagnosis;
- E. Explain how these tests affirm the diagnosis;
- F. Formulate a differential diagnosis of at least three alternative disease entities;
- G. Synthesize a management plan to reduce, palliate, or cure the disease entity;
- H. Relate the disease entity along with the proposed treatment to the psychosocial welfare of the patient;
- I. Discuss specific treatment plans for each clinical entity: appropriate medications, dosages, physical therapeutics, ongoing diagnostic studies, and, as appropriate, hospital or out patient or home management;
- J. Communicate this information to an instructor in a objective format, e.g., examination, oral case presentation, POMR, SOAP, comprehensive data base, etc; and
- K. Describe health promotion and disease prevention aspects of the illness.

Major Topics

- A. Endocrinology
 1. pituitary pathology
 2. hypo/hyper thyroidism
 3. adrenal disorders
 4. hypogonadism
 5. diabetes mellitus
 6. DKA

- B. Hematology
 1. erythropoiesis
 2. anemias of maturation
 3. iron deficiency anemia
 4. hemoglobinopathies
 5. coagulopathies

6. leukocytoses
- C. Oncology
1. leukemias
 2. lymphomas
 3. principles
 4. lung cancer
 5. breast cancer
 6. colon cancer
 7. prostate cancer
- D. Rheumatology
1. immune system
 2. autoimmunity
 3. osteoarthritis
 4. rheumatoid arthritis
 5. JRA
 6. CREST
 7. disorders of carbohydrate deposition
 8. disorders of fat deposition
- E. Neurology
1. overview of neuroanatomy
 2. Parkinsonism
 3. stroke
 4. epilepsy
 5. MS
 6. CP
 7. MD
 8. ALS
- F. Orthopedics
1. classification of fractures
 2. therapeutics
 3. diseases of the spine
- G. Geriatrics
1. geriatric pharmacology
 2. care for the elderly
 3. diseases of the elderly
 4. special considerations
- H. Dermatology
1. common family practice lesions
 2. skin cancers
 3. treatments
- I. Ophthalmology
1. errors of refraction

2. glaucoma
 3. funduscopy
- J. Surgery
1. evaluating the patient
 2. OR protocol
 3. sample surgical procedures
 4. post-op care
 5. note writing
- K. Pediatrics
1. sickle cell disease, anemia overview
 2. thalassemia, lead poisoning
 3. congenital heart disease
 4. acquired heart disease
 5. neonatology
 6. behavioral problems in childhood
 7. seizures, headaches
 8. pediatric emergencies I
 9. pediatric emergencies II
 10. pediatric endocrinology
 11. pediatric dermatology
 12. pediatric genetics/dysmorphology
- L. Emergency Medicine
1. principles
 2. acute MI
 3. chest pain
 4. abdominal pain
 5. fractures
 6. burns
 7. environmental problems
 8. GU emergencies
 9. Multi-system trauma
 10. Toxicology

Course Requirements

Methods of Evaluation:

- A. Written Examinations
- B. Oral Presentations
- C. Written Assignments (example: algorithm)

Other Course Information

Methods of Instruction:

- A. Lecture

- B. Seminar (case-based learning)
- C. Rounds