

Clinical Cases Block

A Summary for LCSF
September 21, 2006

Course Committee

- ❑ Steve Chaney (biochemistry, first year)
 - ❑ Tom Clark (pathology)
 - ❑ Amy Denham (family medicine, clin epi)
 - ❑ Ken Dudley (pharmacology)
 - ❑ Carmen Lewis (general medicine)
 - ❑ Jim Manning (emergency medicine)
 - ❑ Ellen Roberts (OED, geriatrics)
 - ❑ Jo Ellen Rodgers (School of Pharmacy)
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Course Committee (emeritus)

- Karl Bowman (MS4)
 - Kyle Knierim (MS2)
 - Allen Liles (medicine)
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Planning Course Content

- Provide “capstone course”
 - Transition to third year thinking
 - Board review
 - Include
 - Geriatrics
 - HIV
 - Hospital Safety
 - Cultural Competence
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Learning Objectives (1 of 2)

- ❑ To apply and integrate concepts from basic and clinical science to patient care.
 - ❑ To approach disease entities that involve multiple organ systems.
 - ❑ To develop the ability to utilize the medical resources necessary for the third year of medical school.
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Learning Objectives (2 of 2)

- ❑ To enhance clinical cultural competence and apply it to patient care.
 - ❑ To develop interpersonal and communication skills needed to work effectively in a multidisciplinary medical team
 - ❑ To revisit and apply knowledge and concepts from the first and second year in preparation for board exams.
 - ❑ Utilization of evidence-based medicine to make appropriate diagnostic and treatment decisions.
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Application of Learning Objectives

Common components

- Start with multidisciplinary case
- Relevant articles or other resources
- Develop differential
- Choose tests
- Select therapy

Optional components

Fall Structure

- Each case takes one day
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Geriatric – CHF

- ❑ Lecture: Science of Geriatrics
 - ❑ Cardiology Workshop: Workup of CHF
 - ❑ Clin Epi Workshop: How to Read a Paper
 - ❑ Workshop: Disparity in Cardiac Healthcare
 - ❑ Small group with PharmD and geriatrician: Pharmacologic management of CHF
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HIV – Pregnancy (2005) -Encephalitis (2006)

- Lecture: Advances in HIV
 - Film: A Closer Walk
 - Patient Panel Discussion
 - Small Group Discussions with ID and OB faculty
 - Panel Discussion featuring ID, bioethics, state “AIDS czar”
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Spring Structure

- Eight cases in 3-hour blocks, beginning with symptom
 - Small group
 - Instruction
 - Something fun
 - Homework
 - Journal articles
 - Quiz on reading
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Fussy Infant

- ❑ Small group (meningitis)
 - ❑ Lecture: Fever workup of infant
 - ❑ Lab session: Organisms and antibiotics
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Injured child

- ❑ Small group (child abuse)
 - ❑ Multidisciplinary approach to workup of child abuse (ophthalmology, radiology, pediatrics, genetics)
 - ❑ Mock court session
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Abdominal pain

- ❑ Small group (IBD)
 - ❑ Lecture: Workup of Abdominal pain
 - ❑ Panel: Black box of the abdomen
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Unresponsive patient

- ❑ Small group (ethylene glycol poisoning)
 - ❑ Lecture: Acid-Base
 - ❑ Lecture: Workup of unresponsive patient
 - ❑ Toxicology Jeopardy
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Chest pain

- ❑ Small group (acute MI in cocaine abuser)
 - ❑ Lecture: Diagnostic testing for chest pain
 - ❑ Panel: Management of Drug Abuse
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Hemoptysis

- ❑ Small group (TB, HIV)
 - ❑ Lecture: HIV and Opportunistic Infections
 - ❑ Panel: Public Health and Communicable Diseases (state epidemiologist, TB nurse, ID clinician)
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Confusion in an elderly patient

- ❑ Small group (polypharmacy due to hospital error)
 - ❑ Lecture: Physiologic use of drugs in the elderly
 - ❑ Lab: A Pharmacologic dilemma (Fix the confusion)
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Syncope in an elderly patient

- ❑ Small group (autonomic dysfunction)
 - ❑ Lecture: Evaluation of Syncope
 - ❑ Panel: Interpretation of Diagnostic Testing
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Autopsy Experience

- Cases selected for posting represent common causes of sudden death
 - Students sign up for case in groups of four
 - Observe/participate in dissection
 - Microscopic session
 - Written report summarizing findings, applying preventive medicine principles
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Evaluation of students

Component	2005-06	2006-07
Exam 1	30%	20%
Exam 2	30%	30%
Autopsy and paper	20%	20%
STE	20%	30%

Evaluation of course

- OED provided detailed feedback
 - Used to improve content
 - Committee session to evaluate each case
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