Spring 2011

Curriculum Update: Campus Expansion

**Wichita.** KUMC-Wichita is growing medical education. This July eight eager students will begin their medical school careers at the KUMC-W campus. They will be the first class targeted to complete all four years in the *Air Capitol of the World.* For the past 35 years third and fourth year medical students from KUMC in Kansas City have gone to Wichita to complete their clinical clerkships, but this is the first time that students will embark on their basic science education there.

Working with the OME and medical educators in Kansas City a plan is in place to allow students to be offered essentially the same curriculum at three campuses – Kansas City, Wichita and Salina. Morning sessions, largely lectures, will be broadcast via interactive television. Students at any of the campuses will be able to ask questions in a live format, or may be called on to answer questions. Initially, these sessions will largely originate in Kansas City, although even in the coming inaugural year, some lectures will originate from either Wichita or Salina.

Afternoon sessions, largely small groups, clinical skills, problem based learning or labs, will involve local instructors. In Wichita partnerships with both Wichita State University and Newman University are helping to provide well-qualified experts to direct these highly interactive sessions.

Future years will see continuing development of the educational program. Next year’s plans call for 28 students to populate the first-year class at KUMC-W, in addition to the eight students expected to progress to the second year. Currently, 28 students per class is the maximum number that has been approved by the LCME.

**Salina.** Billboards and newspaper articles do not tell the whole story! The Salina campus of KU School of Medicine has made steady progress in the past 6 months and will be ready to welcome eight first-year students in July 2011. New student orientation is scheduled to start July 22, 2011, concluding with White Coat Ceremony in Kansas City July 29, 2011.

The first floor and basement of the Braddick Building (home to the medical school) have been remodeled and furnished. Additional remodeling of the 2nd floor for a learning center and the 3rd floor for an anatomy lab continues.

Salina is currently building a small reference library for the students – with essential reference books and required text books bought. The Clinical Skills Lab at Kansas Wesleyan has been constructed, and a test run of the Testing Lab (at Kansas Wesleyan) is being scheduled. The KUSOM-Salina website is live at [http://salina.kumc.edu](http://salina.kumc.edu).

Salina staff now includes:
Dr. William Cathcart-Rake, Director
Mike Robinson, PhD, Associate Director of Basic Sciences
Dr. Scott Owings, Associate Director for Clinical Experiences
Dr. Boyd Smith, facilitating histopathology labs, assisting with anatomy labs
Dana Townsend, PhD, Anatomist
Lucy Kollhoff, Student Services
Mike Kollhoff, Learning Center Specialist
Various community and lead preceptors identified.
Phase I Curriculum

Year 1 Module Spotlight: Inflammation & Immunity
Michael Parmley, PhD, Module Director

This 4-week multidisciplinary module addresses the basic biology of the normal immune system and the basis for immune-based and inflammatory diseases. Topics will include normal lymphopoiesis and myelopoiesis, responses to infection, autoimmunity, allergy, transfusions and transplantation, immune deficiencies and the appropriate therapies for these conditions. Therapies will include immune-suppressives, anti-inflammatory agents, vaccines and transplantation. The module integrates instruction on disease pathogenesis with clinical skills instruction, with consideration of epidemiological, ethical, social science aspects of medicine, disease prevention and the general approaches to therapy. Students participate in small group discussions, web-based instruction, labs, clinical skills lab sessions, and lectures. Students are evaluated based on their participation in small group discussion sessions and through standardized online summative examinations.

Phase II Curriculum

The Class of 2013 will began their third-year clinical rotations on June 27, 2011. Orientation will take place June 20 through June 25. On June 24, students will be given an overview of the Phase II curriculum, introduced to the clinical directors and administrators, and given a run-down on dress code, professionalism, evaluations, clinical skills, and the skills lab. They will break into small groups to participate in mini clinical skills exercises located in the Neis Skills Lab and the School of Nursing.

The third year is very different from the first two years of medical school because students will be evaluated on performance in live patient/doctor clinical settings. Also new to them will be the requirement of patient logging. Each student is required to log every patient they encounter using a web-based logging system. Logs are used to identify the number and variety of patients that students encounter during their third and fourth year of medical school. Beginning in July, all 3rd year Clerkship NBME subject exams will be delivered electronically in the Computer Testing Center in Dykes Library. This is an exciting new beginning for Phase II. Clerkships will no longer need to administer tests separately on paper. Logistics will be coordinated through the OME in cooperation with The Office of Student Affairs.

Clinical Skills

Through funding from the Technology Commercialization and Innovation Program (TCTP) Grant, the skills lab has added additional simulators. The new simulators include: a SimMan Patient Simulator, a SimMan 3G, and 2 SimBabies.

SimMan 3G is an 85K mannequin with the latest medical simulation technology. It provides an opportunity for students to develop a process of decision making through critical thinking skills, abstract knowledge, and technical skills. Although, it’s not intended to replace real-life clinical experiences, it better prepares students in a safe and non threatening environment. The SimMan 3G is the top of the line simulator. It can communicate, cry, bleed, convulse, and go into cardiac arrest for starters.

The lab will combine efforts with the School of Nursing in an effort to make the best use of simulators in both labs. Lab staff from both schools attended a training for the new SimMan 3G earlier this month. The skills lab looks forward to working with nursing staff and incorporating SimMan 3G into future events.

Year 1 Orientation
July 25-July 29.

White Coat Ceremony
2 pm on Friday, July 29
Battenfeld Auditorium

Year 2 Module Spotlight: Brain and Behavior
Dianne Durham, PhD, Module Director

This 8 week multidisciplinary course, taught by faculty members from Anatomy and Cell Biology, Molecular and integrative Physiology, Otolaryngology, Neurology, Pharmacology, Pathology, Internal Medicine, and Psychiatry, covers the normal/abnormal processes of the central and peripheral nervous system, including an introduction to the principles of therapeutics. The course integrates several disciplines, including neuroanatomy, neurophysiology, neuropathology, introductory neuropharmacology, basic neurology and psychiatry.
Medical Alumni Innovative Teaching Funds

This year, the University of Kansas Medical Alumni Association provided funds to faculty members engaged in innovative teaching and evaluation projects for medical student education at the University of Kansas School of Medicine. Ten grants were awarded in 2011. The maximum funding for each proposal was $5,000.

2011 MAITF Recipients

Web-Based Module for Teaching the Neurologic Examination
Heather Anderson, MD
Department of Neurology, Kansas City

Simulation for Teaching the Pelvic Examination, Episiotomy Suturing and Delivery Skills
Michael Brown, MD
Department of Obstetrics and Gynecology, Wichita

Production of Interactive Web-Based Modules for Psychiatry Clerkship Evaluation
Michael Burke, MD, PhD
Department of Psychiatry and Behavioral Sciences, Wichita

Use of Video Equipment to Teach Ophthalmoscopy and Otoscopy to Medical Students
John Dorsch, MD
Department of Family and Community Medicine, Wichita

Introductory Program in Medical Informatics at the University of Kansas School of Medicine
Isaac Opole, MD, PhD
Department of Internal Medicine, Kansas City

Use of Bedside Ultrasound as a Teaching Tool for the Physical Examination
Justin Moore, MD
Department of Internal Medicine, Wichita

An Integrated Case-Based Approach to the Teaching of Immunology in Medical School
Michael Parmely, PhD
Department of Microbiology, Molecular Genetics and Immunology, Kansas City

Maintaining Medical Student Documentation Skills Using the Simulated Medical Record
Mitz Scotten, MD,
Department of Pediatrics, Kansas City

Medical Students, Nursing Students and Meningitis: an Early Teamwork Intervention
Mitz Scotten, MD
Department of Pediatrics, Kansas City

A Simulation-Based Critical Care Curriculum for Medical Students
Matthew Sharpe, MD
Department of Internal Medicine, Kansas City

New Curriculum Management System

The School of Medicine has selected LCMS+ as the new curriculum management system for undergraduate education. The system was developed at Duke University specifically for use in a medical curriculum. The fact that it was developed by a medical school for medical school curricula will allow more accurate management and assessment of our curriculum.

New ITV Classroom

As part of the campus expansion initiative, 3041 Wescoe is now the School of Medicine’s new ITV classroom. Equipped with a high-definition ITV system, the room will serve as the location for joint learning activities between the Kansas City, Salina and Wichita campuses.

Kansas Connections, a quarterly newsletter published by Rural Health Education and Services at KU Medical Center, features stories about health care and job opportunities in rural Kansas. The Winter 2011 edition of Kansas Connections is available online at http://ruralhealth.kumc.edu/kc/nl/winter2011.pdf

To receive quarterly alerts of the most recent edition, you can sign up at: http://www.ruralhealth.kumc.edu/kc/joinlist.html.
Publications and Presentations


Hageman, H., Jeffe, D., Mavis, B., Veloski, J., Paolo, A. Are medical school’s clinical skills examinations (CE) predictive of students’ performance on USMLE Step 2 CS? Results of a multi-institutional collaboration supported by ASPE. Presentation at the Association of Standardized Patient Educators conference, 2010.

Bonaminio, G.A., Paolo, A.M., Berardo, B. “Preparation for Clinical Clerkships: Comparison of Two Preclinical Curricula” Poster presented at the International Association of Medical Science Educators Annual Meeting, July 10-13, 2010, New Orleans, LA.


Upcoming Presentations

El-Sawi, N., Finnerty, E., Baker, D., Bonaminio, G., Sukalski, K. “Making the Most Out of the IAMSE Webcast Audio-Seminars (WAS)” Session to be presented at the International Association of Medical Science Educators Annual Meeting, June 18-21, 2011, St. Petersburg, FL.

Nguyen, EH, Bonaminio, GA, Paolo, AM. Why do students attend lecture and view podcasts? Comparison of student and faculty perceptions. RIME presentation at the 50th Annual meeting of the Association of American Medical Colleges, Denver, CO, November 4-9, 2011.