MDCOR 847: Uganda – Clinical

Course Director: Edward O'Bryan, MD and
Lacey MenkinSmith, MD
Email: obryanec@musc.edu; menkin@musc.edu

Course Coordinator: Christine Talbot-Bond
Telephone #: 843-792-2427
Email: talbotbo@musc.edu

BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1	2	**Block 3**	2	**Block 5**	2	**Block 7**	2	**Block 9**	2
Block 1A		Block 3A		Block 5A		Block 7A		Block 9A	
Block 1B		Block 3B		Block 5B		Block 7B		Block 9B	
Block 2	2	**Block 4**	2	**Block 6**	2	**Block 8**	2	**Block 10**	2
Block 2A		Block 4A		Block 6A		Block 8A		Block 10A	
Block 2B		Block 4B		Block 6B		Block 8B		Block 10B	

Does this rotation accept visiting students? ☐ YES ☒ NO

COURSE DESCRIPTION:
The course consists of 18 eight-hour shifts at the Masindi-Kitara Medical Center (MKMC) in Masindi, Uganda. During each shift, the student will interact with patients and learn how to perform a focused H&P. The student will focus on how to order appropriate diagnostic tests and formulate a differential diagnosis while focusing on the many limitations of medical care in the developing world. The student will work closely with the attending on duty and learn how to treat and manage many various illnesses and injuries including tropical diseases. The MKMC Medical Center in Uganda operates 24 hours a day, 7 days a week and sees over 2,000 patients a month on average. The student will have the opportunity to work in Emergency and Urgent care, inpatient care, outpatient clinical care, OB/GYN care, and surgical care. Furthermore, the student will have the opportunity to participate in laboratory diagnostics as well as ultrasound performance and interpretation. If the rotation falls during one of four PMI short-term mission teams to Uganda, the student will have the opportunity to join the team in remote mobile clinic locations.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Conduct an initial assessment of a patient in the developing world and perform stabilization techniques. (MK7, PC1, PC7, CS1, CS2, PR1, PD1, PL6)
2. Establish a differential diagnosis including potential tropical diseases, zoonotic diseases, and diseases related to public health disparities and order/interpret appropriate diagnostic tests (including imaging/lab studies) related to the differential diagnosis. (MK3, PC2)
3. Manage acutely ill and/or injured patients as well as inpatients. (MK3, PC3, PC4, PC5, PC6, CS1, CS2, PR1, PR2, PR3, PL1)
4. Perform procedural skills if desired (i.e., I.V. access, blood drawing, sutures, I&Ds, wound care, fracture splinting). (PC7)
5. Participation/reading blood smears, lab interpretation, ultrasound interpretation, and patient case discussions. (MK5, MK8, PL3, IP3)
6. Develop an understanding of the differences in the healthcare systems in Uganda and the U.S. (MK7, SL1, SL3, SL4, SL4, IP2, IP4)
7. Participate in learning rounds and weekly problem-based learning sessions (MK3, MK7, PR2, PL3, PL6, SL1, SL4)

INSTRUCTIONAL METHODOLOGIES AND ROTATION ACTIVITIES: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Lectures, rounds, and discussion including one pre-departure orientation session of 2 hours duration and one post-trip debriefing session with course director.
2. Weekly independent learning assignments and problem-based learning with Ugandan clinicians.
3. Patient contact and patient load.

PATIENT ENCOUNTERS: Students will be expected to work-up patients with conditions from all organ systems, including:
1. Malaria, typhoid and other tropical or infectious diseases common to the area.
2. Chest pain, abdominal pain, diabetes, hypertension, cellulitis, trauma, and non-infectious diseases.

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods.
1. Clinical Performance Evaluation.
2. Direct observation of clinical and patient care skills evaluated by the attending physician.
3. The students will be evaluated on their ability to follow the patient through the course of their time at MKMC, which could include an admission.
4. Active participation in group discussion as evaluated by the attending physicians or MKMC staff.
5. Participation in weekly didactic sessions, learning rounds and problem based learning evaluated by the course director.

6. The student will be required to present a case during one learning rounds session – and will be evaluated by their peers, residents, and faculty present.
7. In order to continue to improve the rotation, the student will be asked to critique both the course and the attendings, residents, and/or MKMC staff with whom s/he worked within two weeks after the completion of the rotation.

Will students be expected to participate in call? ☐ YES ☒ NO

ADDITIONAL INFORMATION: This course requires the following
1. Approval by the COM Associate Dean for Curriculum – Clinical Sciences and the COM Selectives and Electives Committee. **Permission to participate in this elective may be denied or revoked after original permission is granted if for any reason concerns arise regarding safety or quality of the educational experience.**
2. Coordination of travel with the MUSC Center for Global Health and adherence to the MUSC International Travel Policy and restrictions, which includes:
   a. Registration of travel with International SOS, the university international travel assistance provider
   b. Completed Health and Safety Plan
   c. Completed International Travel Waiver
3. Completion of a separate application and waiver of liability prior to departure through OneWorld Health, which serves as host during the rotation. This can be found at www.oneworldhealth.com.
4. Vaccines are required for travel into Uganda; please see the CDC website on travelers' health and/or visit the MUSC Travel Medicine Clinic for more details.

Funding may be available to cover costs associated with this elective, please see your COM Deans Office representative for details.