

MDCOR 846: Nicaragua – Global Health Elective

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BLOCK	# Students	BLOCK	# Students	BLOCK	# Students
Block 1: 7/3/17 – 7/28/17	2	Block 4A: 9/25/17 – 10/6/17		Block 7B: 1/15/18 – 1/26/18	
Block 1A: 7/3/17 – 7/14/17		Block 4B: 10/9/17 – 10/20/17		Block 8: 1/29/18 – 2/23/18	2
Block 1B: 7/17/17 – 7/28/17		Block 5: 10/23/17 – 11/17/17	2	Block 8A: 1/29/18 – 2/9/18	
Block 2: 7/31/17 – 8/25/17	2	Block 5A: 10/23/17 – 11/3/17		Block 8B: 2/12/18 – 2/23/18	
Block 2A: 7/31/17 – 8/11/17		Block 5B: 11/6/17 – 11/17/17		Block 9: 2/26/18 – 3/23/18	2
Block 2B: 8/14/17 – 8/25/17		Block 6: 11/20/17 – 12/15/17	2	Block 9A: 2/26/18 – 3/9/18	
Block 3: 8/28/17 – 9/22/17	2	Block 6A: 11/20/17 – 12/1/17		Block 9B: 3/12/18 – 3/23/18	
Block 3A: 8/28/17 – 9/8/17		Block 6B: 12/4/17 – 12/15/17		Block 10: 3/26/18 – 4/20/18	2
Block 3B: 9/11/17 – 9/22/17		Block 7: 1/2/18 – 1/26/18	2	Block 10A: 3/26/18 – 4/6/18	
Block 4: 9/25/17 – 10/20/17	2	Block 7A: 1/2/18 – 1/12/18		Block 10B: 4/9/18 – 4/20/18	

Does this rotation accept visiting students? YES NO

COURSE DESCRIPTION:

This course is a four-week clinical elective at the PMI Nicaragua Medical Center in El-Viejo, Nicaragua sponsored by OneWorld Health. The course will involve Monday through Friday clinical shifts of 8 hours (9 am-5 pm) in the outpatient, urgent care, and emergency medicine settings in El-Viejo, Nicaragua, as well as the Emergency Department of the University Medical Center in Leon, Nicaragua. Students will also have the opportunity to shadow physicians in Chinandega, Nicaragua. Optional 8 am-12 pm shifts are available on Saturdays as well. 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 adapting to the many limitations encountered in medical care in the developing world. The student will work closely with the attending on duty and learn how to treat and manage various illnesses and injuries including tropical diseases. Furthermore, the student will have the opportunity to participate in laboratory diagnostics as well as ultrasound performance and interpretation.

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. (PC1, PC7, CS1, CS2, PR1)
2. Establish differential diagnosis including potential tropical diseases, zoonotic diseases, and diseases related to inadequate public health 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 stable outpatients. (MK3, PC3, PC5, PC6, CS1, CS2, PR3)
4. Perform procedural skills if desired (i.e., I.V. access, blood drawing, sutures, I&D's, 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 Nicaragua and the U.S. (SL1, SL3, SL4, SL)
7. Participate in ongoing research (optional).

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 consisting of two pre-trip lectures of 1 hour each, assigned readings and one post-trip lecture of 1-2 hours, including a post-rotation debriefing session with course director.
2. Patient contact and patient load.
3. Post-elective presentation to peers and faculty.

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 with direct observation of clinical and patient care skills evaluated by the attending physician.
2. 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.
3. Active participation in group discussion as evaluated by the attending physicians or MKMC staff.
4. Participation in weekly didactic sessions as evaluated by the course director.

5. The student will be required to present a case report or original paper of their choosing during one didactic session and will be evaluated by their peers, residents, and the faculty present.

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 Nicaragua; 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 Dean's Office Representative for details.