

## Global Health – Amman, Jordan Elective Curriculum

**Title of Clerkship:** Global Health – Amman Jordan Student Elective Clerkship

**Elective Type:** Fourth-Year Elective Clerkship

**UT Department(s):** Emergency Medicine

**International Department/  
Clerkships:**

- Emergency Medicine and Critical Care
- Surgery and Surgical subspecialties, including transplantation
- Internal Medicine
- Pediatrics and Neonatal Care
- Obstetrics & Gynecology
- Aesthetics and Reconstructive Surgery

**Clerkship Site:** Jordan Hospital Amman, Jordan

**Course Number:** **GLHL 756**

**Blocks available:** Potentially, Blocks 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, but **students must first check availability with The Center for International Health Care Initiatives, then get additional necessary approvals PRIOR TO enrolling. Please see “Special Requirements” section below.**

**Number of students per block:** 2 - 4

**UT Faculty:** Kris Brickman, M.D.

**International Faculty:** Dr. Riyed Said, Director Medical Education  
Dr. Saed Hammoudi

**Elective Description/Requirements:**

This elective clerkship will enable fourth-year medical students to gain four to eight weeks clinical experience in both inpatient and outpatient clinical settings at Jordan Hospital in Amman, Jordan. The students will live in apartment facilities that are actually within the hospital on the 7<sup>th</sup> and 8<sup>th</sup> floor that are typically used by international and visiting students and professors at Jordan Hospital.

Students will have the opportunity to work with attending physicians in a variety of specialties including Emergency Medicine/Critical Care, Surgery & Surgical subspecialties including transplantation, Internal Medicine, Aesthetics and Reconstructive Surgery, Obstetrics and Gynecology, Pediatrics and Neonatal Care. The students' clinical experience will focus

on primarily one of the above areas based on the students' interest and availability of supervised service in that specialty. Student will be expected to manage a variety of problems; specifically the student will learn to integrate the knowledge of clinical disease entities, both medical and surgical. These disease entities will include but not limited to; trauma and acute surgical disease, oncology, cardiology/acute coronary disease, pulmonary disease/acute infectious disease entities, acute neurology emergencies, gastrointestinal disorders, endocrinology and renal/urologic disorders.

Students may also have the opportunity to participate in renal or hepatic transplantation and should understand the indications and the unique procedural process of organ transplantation in Jordan. Also with an active invitro fertilization program any students on an Obstetrics and Gynecology rotation should understand the indications and the procedures of invitro fertilization in the Middle East. Students also should develop a knowledge of the unique role Jordan plays within the Middle East primarily regarding the intellectual property that they hold throughout the Middle East and their role as a tertiary center for this region.

**Length of Clerkship:** Four Weeks, including approximately four days (total) traveling to and from Amman, Jordan.

**Links to EPOs:      Educational Course Objectives (ECOs):**

K12, K13, K14, K15, K16, S8, S9, P6, P7	1. Describe the institutional mission of Jordan Hospital and relate it to the breadth and depth of medical care provided. Include the size of the catchment area served by this tertiary care hospital. Describe "Medical Tourism" and their role as an international leader.
K3, K6, K7, K8, K9, K10, K12, K13, K14, K15, S2, S8, S9, S10, S11, P5, P6, P7	2. Discuss the impact of the three leading types of cancer on (a) the local, urban population served by Jordan Hospital, (b) prevalence throughout Jordan, and (c) the population in and around Amman. Include prevalence, societal productivity / economic impact, mortality and any major public health initiatives currently underway to address the underlying etiologies or access to treatment.
K3, K4, K5, K6, K7, K8, K12, K13, K14, K15, K16, S7, S8, S9, S10, S11, P3, P6, P7	3. Compare and contrast the inpatient clinical and laboratory facilities at The University of Toledo Medical Center (UTMC) and Jordan Hospital. Include the factors that make each a leader in regional provision of tertiary medical care.

K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, P1, P2, P3, P4, P5, P6, P7	4. Discuss the clinical assessment, diagnostic testing and recommended treatment of an individual brought to Jordan Hospital’s Emergency Department with end stage kidney failure. Describe the role of Jordan as an organ transplant center for the Middle East. Include the various factors to be considered in the allocation of potentially scarce clinical resources.
K9, K10, K11, K12, K13, K14, K15, K16, S2, P1, P2, P3, P4, P5, P6, P7	5. Discuss the similarities and differences between delivery of emergency clinical care at UTMC and Jordan Hospital. Explain the degree to which physicians have autonomy in deciding which course of treatment to pursue, as well as the impact of an individual’s ability to pay (for medical services) on the type of treatment provided.
K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, P3, P5, P6, P7	6. Describe the three most common infectious diseases seen at Jordan Hospital and the pathogenesis, differential diagnosis, assessment and recommended treatment for each. Include similarities and differences in diagnostic assessment and treatment of the most common infections encountered at UTMC. Discuss how the concept of “public health” influences treatment decisions at both institutions.
K12, K13, K14, K15, K16, S8, S9, S11, P6, P7	7. Compare the “typical” worldview of someone from Amman, Jordan with that of someone born and raised in Toledo, Ohio. Discuss differences in the understanding of “health and wellness” vs. “disease and illness”, and explain how these differences impact the delivery of medical care in both locations.
K3, K9, K10, K11, K12, K13, K16, S1, S2, S9, P1, P2, P5, P6	8. Describe the cultural differences in the physician/patient relationship in Jordan compared to the United States. Outline medical ethics issues that face Jordan and how this may affect overall patient care. Incorporate physician perceptions of the healthcare landscape in Jordan as it compares to the Middle East and their role for the future.
K5, K6, K7, K10, K11, K13, K14, K15, S2, S7, S8, S11, P3, P7	9. Identify the similarities of the Jordanian and American health care systems as well as the disparities that currently exist. Define the obstacles that exist that may limit health care development in selected areas of deficiency.

**Professionalism:** UT COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program

Objectives (EPOs) and the current Educational Course Objectives (ECOs) for the sponsoring departments.

**Instructional Methods:**

- Case write-ups
- Clinical case presentations / discussions
- Diagnostic tests – use / interpretation
- Independent study
- Inpatient rounds
- Interpretation of lab data
- Mentored clinical practice
- Teaching rounds

**Evaluation Methods Employed:**

- Attendance
- Case presentation
- Case write-up
- Clinical log
- Faculty observation and assessment of clinical skills
- Narrative
- Reflective paper
- Self-assessment

**Prerequisites:** Successful completion of all third-year required clerkships

**Clerkship Director:** Kris Brickman, M.D.

**Clerkship Coordinator:** Pamela Woznicki

**Phone Number:** 419-383-6330

**Email:** Pamela.Woznicki@utoledo.edu

**Special Requirements:**

**Students participating in this elective will need to fulfill ALL requirements set forth by the UT COM International Travel Committee and gain approval from that body (a) PRIOR TO enrolling in this elective, and (b) at least four months prior to anticipated departure from the U.S.**

Each student will be responsible for securing funding for his/her own air transportation, entry visa to Jordan, exit fees and other costs associated with travel between the U.S. and Jordan upon arrival in Amman, Jordan.

English is spoken throughout Jordan and virtually all faculty, students and residents within Jordan Hospital will speak fluent English. Although Arabic is the primary language in Jordan, there should be little difficulty in managing patient care activities in the clinical setting.

Students will have telephone service through their cell phones but will require prior conversion for international travel in Jordan. Also telephone cards can be used for international calls as well as calls within Jordan. Internet access will be available in Jordan and students are advised to take their own laptops with them for this rotation. All costs and expenses though for telephone usage, long distance service and internet use will be the responsibility of the student.

A formal orientation will be provided through the Office of Global Health on the Health Science Campus. Students will be required to attend these orientation sessions to gain an understanding of their rotation, the cultural issues of Jordan and the similarities and differences in clinical practice as it pertains to Jordan Hospital and their specific rotation. Video-conferencing (e.g. via Skype) with key medical and institutional leaders from Jordan Hospital will occur as necessary prior to the commencement of travel to complete this orientation process. There will be weekly contact with students and the Office of Global Health while all students are on International rotations abroad. Discussions with the International liaison in Jordan and the University of Toledo coordinator in the Office of Global Health will occur at least twice monthly to review the students rotation. These updates are to assure appropriate completion of program goals and objectives and to maintain ongoing communication between the two programs.

### **AAMC Hot Topics Addressed in this Elective Clerkship:**

#### **General Hot Topics**

- Biostatistics
- Clinical pathology
- Clinical problem solving / decision making
- Communication skills
- Community health
- Cultural diversity / multi-cultural medicine
- End-of-life care
- Epidemiology / population-based medicine
- Evidence-based medicine
- Family violence / abuse
- Geriatrics
- Health disparities
- Health care financing
- Health care systems
- Human development / life cycle
- Human sexuality
- Medical ethics
- Medical socioeconomics

- Nutrition
- Occupational health / medicine
- Pain management
- Palliative care
- Patient health education
- Prevention and health maintenance / preventive medicine
- Rehabilitation / care of disabled
- Substance abuse
- Women's health

### **Hot Topics Related to Clinical Prevention and Population Health**

- Counseling for health risk reduction
- Disease screening tests
- Environmental health
- Health determinants
- Health policy development processes
- Health services financing
- Health surveillance strategies
- Health care workforce
- Immunization
- Public health systems

### **Additional Hot Topics**

- Health literacy
- Racial / ethnic demographics of illness

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