**EVALUATION OF THE FOOT IN THE EMERGENCY DEPARTMENT**

**INSTRUCTOR’S GUIDE**

**BACKGROUND:**

Musculoskeletal injuries of the foot are commonly seen in the Emergency Department. Emergency medicine physicians should be comfortable diagnosing, managing, and arranging proper follow up for patients who present with foot injuries.

**PURPOSE & GOALS:**

To provide a general overview of anatomy, radiography, physical examination, and common board exam topics related to frequently encountered injuries of the foot with cases to prompt discussion.

**EDUCATIONAL OBJECTIVES:**

by the end of this didactic session, the learner will be able to:

* Identify anatomic structures of the foot
* Interpret radiographic structures of the foot
* Perform examination of the foot
* Use the Ottawa Foot Rules
* Diagnose and manage commonly encountered pathological conditions involving the foot

**RESOURCE FILES:**

1. Evaluation of the foot in the Emergency Department didactic (filename: Evaluation of the foot in the Emergency Department.pptx)

* This didactic provides an overview of foot evaluation for Emergency physicians
* Estimated time: 60 minutes

2. Summary Handout (filename: Evaluation of the foot in the Emergency Department.pdf)

* This document provides a summary of the teaching points for the module

**TOTAL MODULE DURATION:** 60 minutes

**REQUIRED RESOURCES:**

* Computer with capability of running PowerPoint

**DESCRIPTION OF MODULE:**

Intended Audience

* This module was developed for medical students, EM residents at any level of training and attending physicians

Recommended implementation/timeline

* During the module
  + This didactic session can be delivered to any size group. Participants may be divided into small groups by level of training to further facilitate discussion.
* **Evaluation of the foot in the Emergency Department** Didactic presented by a senior resident or faculty member. (60 minutes)
* Optional ultrasound practice: The learners may participate in a short session to practice ultrasound (self/partner/model) of the foot. (15 minutes)
* Optional durable medical equipment demonstration: The learners may participate in a brief demonstration of how to size and apply an ankle brace, ACE wrap walking boot. (15 minutes)

**CONCLUSIONS:**

Care of musculoskeletal disorders is part of the ABEM Model of Clinical Practice, which is designed to encompass the breadth of knowledge in Emergency Medicine, and is the foundation for developing residency curricula. This module was developed to train medical student and residents in the basic concepts of emergency care for foot disorders. After completion of this curricular module, learners will better understand the foot and application of musculoskeletal medicine.

**REFERENCES:**

1. ClelandD J. Netter's Orthopaedic Clincial Examination. [S.l.]: Elsevier - Health Science; 2020.
2. Tintinalli J. Tintinallis Emergency Medicine. [New York]: Mcgraw-Hill Education; 2020.