



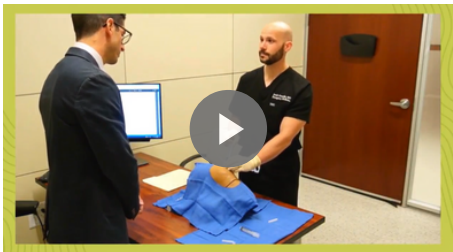
Certifying Exam

Case Materials

PROCEDURES

CASE SAMPLE VIDEO

Use of the case materials in this document are demonstrated [here](#).



CASE SUMMARY

Emergency physicians must regularly perform procedures in the emergency department. The procedural case evaluates a candidate's ability to perform skills that are integral to the practice of emergency medicine. A successful candidate will demonstrate the preparation for the procedure (i.e. indications, risks), the performance of the procedure, and the provision of post-procedure care.

SCORING

Information on how this case will be scored can be found [here](#).



PROCEDURE CANDIDATE TASK SHEET	ROOM #
CASE PARAMETERS	
<ul style="list-style-type: none">• This is a 10-minute case.• You will interact with an examiner and procedural equipment in a simulated scenario.• A patient arrives to the ED with a swollen and painful knee.• You have decided that a knee arthrocentesis is indicated for this patient.• The model and needed supplies will be available for you on the table.	
PHYSICAL EXAM FINDINGS	
<p>A Knee x-ray was significant for only a large joint effusion. The remainder of the laboratory testing and physical examination are unremarkable and there are no contraindications for performing the procedure.</p>	
TASK STATEMENT	
<p>Your tasks are as follows:</p> <ol style="list-style-type: none">1. Obtain informed consent for the procedure2. Describe how you prepare to perform this procedure3. Perform an arthrocentesis4. Make recommendations for management based on fluid interpretation	



STIMULUS 1. FLUID ANALYSIS - ARTHROCENTESIS

Type	Units	Normal Values
Appearance	Turbid	Clear
Color	Straw colored	Straw colored
White Cell Count	21,750/ μ L	<200/ μ L
Neutrophils	60%	<25%
Red Cell Count	8,563/ μ L	<1,000/ μ L



STIMULUS 2. FLUID ANALYSIS – GRAM STAIN		
Type	Units	Normal Values
Gram Stain	Organisms Absent	Organisms Absent



STIMULUS 3. ARTHORCENTISIS - CRYSTALS		
Type	Units	Normal Values
Crystals	Present	Absent