



OFFICE of CONTINUING
MEDICAL EDUCATION
Quillen College of Medicine
EAST TENNESSEE STATE UNIVERSITY

ETSU Applied Anatomy & Clinical Procedure Series: Lower Extremity Joint Injections

Saturday, April 27, 2019

ETSU Quillen College of Medicine - Johnson City, TN

Saturday, April 27, 2019

7:30 AM – 7:50 AM	Breakfast and Registration	
7:50 AM – 8:00 AM	Welcome and Introductions	Learning Objectives: <i>As a result of participating in this activity, the attendee will be able to...</i>
8:00 AM – 9:00 AM	The Clinical Anatomy of Lower Extremity Joint Injections Caroline Abercrombie, MD Benjamin England, MD Ralph Mills, MD	<ul style="list-style-type: none">• Discuss the indications and potential adverse effects for lower extremity joint injections• Identify relevant anatomy of the hip and knee, including the positioning and anatomical landmarks for the procedure• Describe the relevant anatomy of the joint space and relate this to the location of needle entry• Describe the indications for using ultrasound for the different joints of the lower extremity
9:00 AM – 9:15 AM	Break and Transition into Lab	
9:15 AM – 10:15 AM	Knee: Applied Clinical Anatomy and Procedural Station <i>Breakout Session 1</i> Caroline Abercrombie, MD Derek Lance, MD Candidate Class of 2020, Quillen College of Medicine Ralph Mills, MD	<ul style="list-style-type: none">• Identify relevant anatomy of the knee, including the positioning and anatomical landmarks for the procedure• Describe the relevant anatomy of the joint space and relate this to the location of needle entry• Demonstrate the basic approach and technique for joint evaluations and injections of the knee
10:15 AM – 10:25 AM	Transition to Breakout Session 2	

10:25 AM – 11:25 AM **Hip: Applied Clinical Anatomy and Procedural Station**
Breakout Session 2
Benjamin England, MD
Jordan Newby, MD Candidate Class of 2022, Quillen College of Medicine
Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine

- Identify relevant anatomy of the hip, including the positioning and anatomical landmarks for the procedure
- Describe the relevant anatomy of the joint space and relate this to the location of needle entry
- Demonstrate the basic approach and technique for joint evaluations and injections of the hip, including ultrasound guidance

11:25 AM – 11:35 AM **Transition to Breakout Session 3**

11:35 AM – 12:35 PM **Simulation Lab Scenario**
Breakout Session 3
Caroline Abercrombie, MD
Derek Lance, MD Candidate Class of 2020, Quillen College of Medicine
Jordan Newby, MD Candidate Class of 2022, Quillen College of Medicine
Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine

- Demonstrate competency in performing lower extremity joint evaluations
- Identify relevant symptoms and contraindications associated with hip and knee injections

12:35 PM – 12:45 PM **Debrief / Evaluation**



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Activity Directors	Caroline Abercrombie, MD and Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine
Target Audience	Family Practice Physicians, Internal Medicine Physicians, Emergency Medicine Physicians, Physician Assistants, Advanced Practice Nurses, CRNAs
Overall Conference Objectives	<p>As a result of attending this activity, the participant will be able to:</p> <ul style="list-style-type: none">• Discuss the indications and potential adverse effects for lower extremity joint injections• Identify relevant anatomy of the hip and knee, including the positioning and anatomical landmarks for the procedure• Describe the relevant anatomy of the joint space and relate this to the location of needle entry• Demonstrate the basic approach and technique for lower extremity joint evaluations and injections• Describe the indications for using ultrasound for the different joints of the lower extremity
Disclosure Information and Potential Conflicts of Interest	East Tennessee State University's Quillen College of Medicine, Office of Continuing Medical Education (OCME) holds the standard that its continuing medical education programs should be free of commercial bias and conflict of interest. It is the policy of the OCME that each presenter and planning committee member of any CME activity must disclose any financial interest/arrangement or affiliation with commercial organizations whose products or services are being discussed in a presentation. All commercial support of an educational activity must also be disclosed to the conference attendees.
Participants with No Potential Conflicts of Interest	Each of the following individuals have completed a disclosure form indicating that neither they nor their spouse/family have a financial interest/arrangement or affiliation that could be perceived as a real or apparent conflict of interest related to the content or supporters involved with this activity:

Activity Directors

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Elizabeth Wolf, MBA, CPPS, CPHRM, CHCP

Speakers/ Skills Session Instructors

Caroline Abercrombie, MD
Benjamin England, MD
Derek Lance, MD Candidate Class of 2020,
Quillen College of Medicine
Ralph Mills, MD

Jordan Newby, MD Candidate Class of 2022,
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Ryan Serbin, MD Candidate Class of 2022, Quillen
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Commercial Support Disclosure

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Handouts

If the author has given permission for us to share his/her presentation(s) it will be posted online and will be available for download and viewing at:

https://www.etsu.edu/com/cme/lower_extremity_2019.php

Transcripts of CME Credit

You have **30** days to complete the evaluation in order to claim credit. By completing the evaluation and posttest in the HighMarks system this activity will be added to your TRANSCRIPT, which is maintained in the ETSU Office of CME. You may print your transcript online from your HighMarks account. Ww2.highmarksce.com/etsu. Check with the Registration Desk for information on how to access and print your transcript, or call our office, 423-439-8027, with questions

**Conference
Planner**

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Accreditation



ACCME Accreditation: The Quillen College of Medicine, East Tennessee State University, is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



CME Credit: Quillen College of Medicine, East Tennessee State University designates this live activity for a maximum of 4.0 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the Quillen College of Medicine, East Tennessee State University. The Quillen College of Medicine, East Tennessee State University is accredited by the ACCME to provide continuing medical education for physicians.