# ETSU Applied Anatomy & Clinical Procedure Series:

**Lower Extremity Joint Injections**

Saturday, April 27, 2019

ETSU Quillen College of Medicine - Johnson City, TN

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Learning Objectives:</th>
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<tbody>
<tr>
<td>7:30 AM – 7:50 AM</td>
<td>Breakfast and Registration</td>
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<tr>
<td>7:50 AM – 8:00 AM</td>
<td>Welcome and Introductions</td>
<td><em>As a result of participating in this activity, the attendee will be able to...</em></td>
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| 8:00 AM – 9:00 AM | The Clinical Anatomy of Lower Extremity Joint Injections | - 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: Breakout Session 1 | *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* |
<p>| 10:15 AM – 10:25 AM | Transition to Breakout Session 2 |                                                                                     |</p>
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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Presenters</th>
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<tr>
<td>10:25 AM – 11:25 AM</td>
<td><strong>Hip: Applied Clinical Anatomy and Procedural Station</strong>&lt;br&gt;<strong>Breakout Session 2</strong>&lt;br&gt;Benjamin England, MD&lt;br&gt;Jordan Newby, MD Candidate Class of 2022, Quillen College of Medicine&lt;br&gt;Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine</td>
<td>• Identify relevant anatomy of the hip, including the positioning and anatomical landmarks for the procedure&lt;br&gt;• Describe the relevant anatomy of the joint space and relate this to the location of needle entry&lt;br&gt;• Demonstrate the basic approach and technique for joint evaluations and injections of the hip, including ultrasound guidance</td>
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<td>11:25 AM – 11:35 AM</td>
<td><strong>Transition to Breakout Session 3</strong></td>
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<td>11:35 AM – 12:35 PM</td>
<td><strong>Simulation Lab Scenario</strong>&lt;br&gt;<strong>Breakout Session 3</strong>&lt;br&gt;Caroline Abercrombie, MD&lt;br&gt;Derek Lance, MD Candidate Class of 2020, Quillen College of Medicine&lt;br&gt;Jordan Newby, MD Candidate Class of 2022, Quillen College of Medicine&lt;br&gt;Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine</td>
<td>• Demonstrate competency in performing lower extremity joint evaluations&lt;br&gt;• Identify relevant symptoms and contraindications associated with hip and knee injections</td>
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<td>12:35 PM – 12:45 PM</td>
<td><strong>Debrief / Evaluation</strong></td>
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ETSU Applied Anatomy & Clinical Procedure Series: Lower Extremity Joint Injections
April 27, 2019
ETSU Quillen College of Medicine, Johnson City, TN

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: As a result of attending this activity, the participant will be able to:
- 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

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Planning Committee Members
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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, Quillen College of Medicine
Ryan Serbin, MD Candidate Class of 2022, Quillen College of Medicine

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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:

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.
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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.

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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.