

MK153-ED-X

## Quadriceps Femoris Muscle Complex Imaging Anatomy: It Keeps Going, Going, and Going...

All Day Room: NA Digital Education Exhibit



Discussions may include off-label uses.

### Awards

#### Certificate of Merit

#### Participants

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#### TEACHING POINTS

1. Review classic and new anatomic variants discoveries of the quadriceps muscle complex with cadaveric correlatio 2. Improve our understanding of Imaging anatomy that is pertinent to perform biopsy and limb salvage surgery. 3. Describe the natural pathways of the anterior thigh extracompartmental dissemination of malignant and inflammatory diseases 4. Describe the anatomical variants of perforator branches of the lateral circumflex femoral artery and recognize the role of imaging in the planning of anterolateral thigh flap planning

#### TABLE OF CONTENTS/OUTLINE

*Introduction* 1-Imaging of anatomical variants in quadriceps femoris muscle complex Relevant anatomy Imaging findings 2-Sports and related injuries Relevant anatomy Imaging findings 3.Anterior Compartment & Limb salvage surgery imaging Relevant anatomy Imaging tumor staging tips & tricks Imaging follow-up after quadriceps femoris resections, soft tissue reconstruction and muscle transfer procedures 4.Anterolateral (ALT) Flap planning imaging Anatomical variants of perforator branches of the lateral circumflex femoral artery Imaging findings