

ARTHRO Mentor

Meniscectomy Curriculum

Description

The following curriculum is focused on the Meniscectomy procedure: relevant pathologies and their classification, instrumentation and procedural steps.

Objectives

- ◆ Recognize the different types of meniscal tears and understand their preferred treatment method.
- ◆ Be familiar with different meniscectomy tools and understand their advantages and pitfalls.
- ◆ Learn and practice the procedural steps in a meniscectomy procedure.
- ◆ Evaluate correctly the amount of meniscus that needs to be removed in a meniscectomy procedure.

Target Audience

- ◆ Orthopedic surgery residents from PGY1 through PGY3
- ◆ Practicing orthopedic surgeons with limited experience performing arthroscopic surgery
- ◆ Beginning arthroscopists

Assumptions

- ◆ The learner has little experience with arthroscopy.
- ◆ The learner has prior arthroscopic motor skills practice.
- ◆ The learner has prior anatomical knowledge of the knee joint and the arthroscopic portals.

Suggested Time Length

Completion of the entire course should take around 2 hours.

Authors

Matthew C. Sardelli, M.D.
Orthopedic Surgery and Sports Medicine

Introduction

Didactics

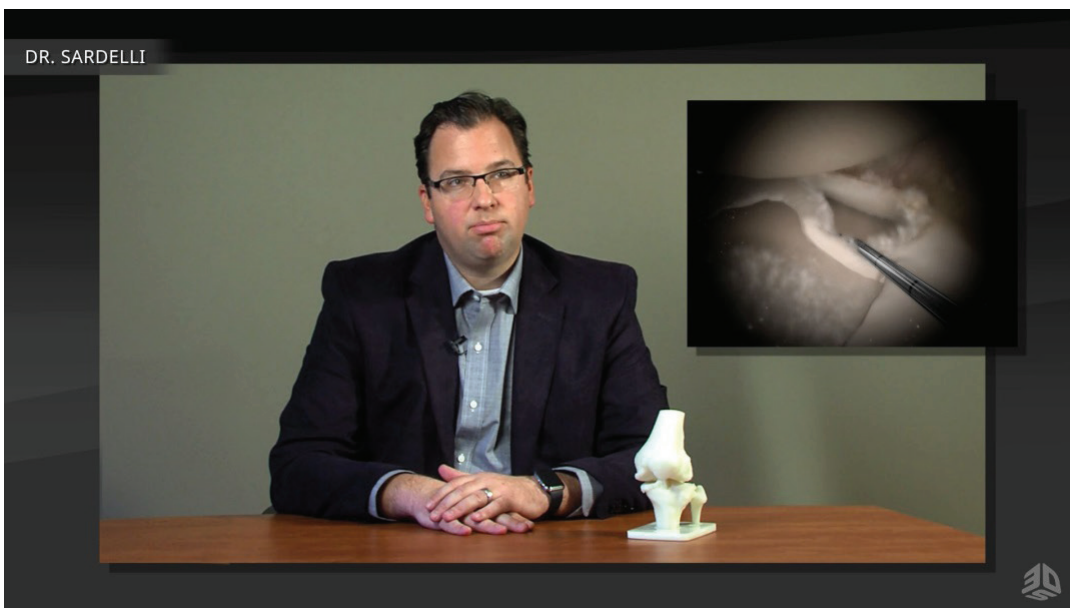
Introduction to Meniscectomy Course



Meniscal Tear Types

Didactics

Meniscal Tears Review



Hands on



Diagnostic of Pathological cases (locate and identify unknown pathologies)

- ◆ Case 1-4, 6, 8.

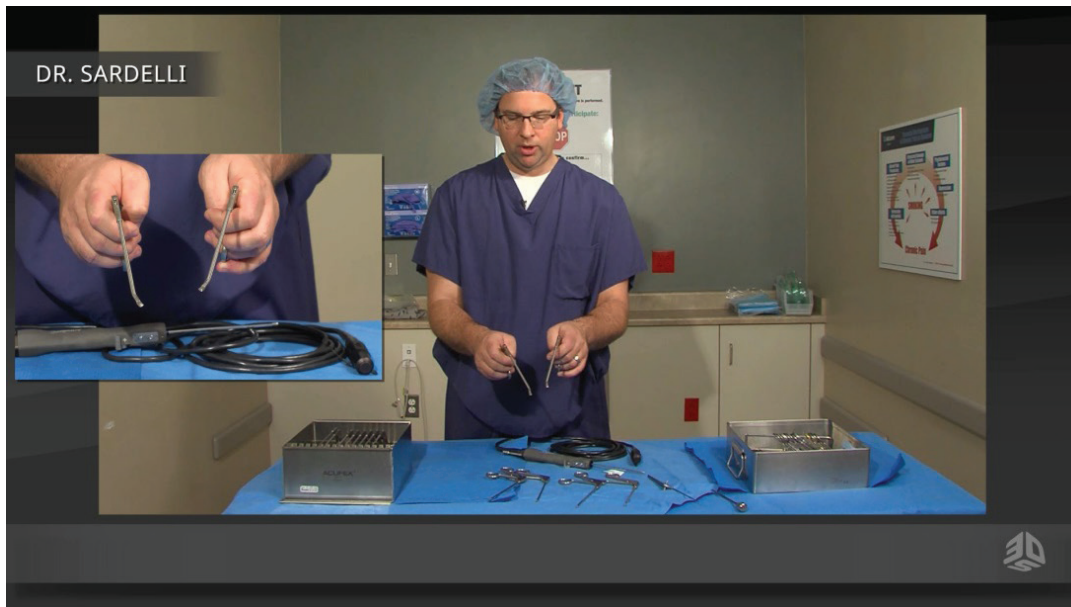
Tasks Description

- ◆ Perform a diagnostic examination of the knee joint.
- ◆ Use the pedal to take pictures of identified pathologies.
- ◆ Open the Trainee Report and describe the pathology that was documented in each picture.

Meniscectomy Instrumentation

Didactics

Meniscectomy Instruments Review



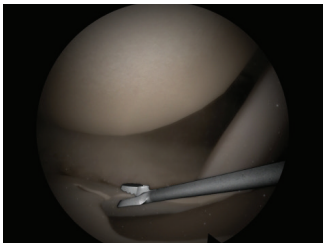
Meniscectomy Procedure Steps

Didactics

Meniscectomy Simulation Tutorial



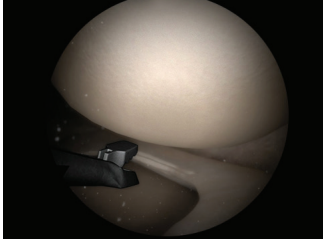
Hands On



Radial Tear

Task Description:

- ◆ Insert the camera and the probe into the joint.
- ◆ Perform a diagnostic examination of the knee using the camera and the probe. When done, retract the probe.
- ◆ Open the tools menu and choose the most suitable Punch to treat the tear. Replace the stylus with the grasper.
- ◆ Navigate to the lateral meniscus and use the Punch tool to resect a piece of the pathological meniscus.
- ◆ Force the Valgus or Varus positions in order to create more space to work in.
- ◆ When no more resection is needed, retract the Punch and replace the grasper with the stylus. Open the tools menu and choose a shaver in an adequate size.
- ◆ Insert the shaver and shave the resected Meniscal area.
- ◆ Press the Close button when no more sharp edges are left on the treated meniscus.



Longitudinal Tear

Task Description:

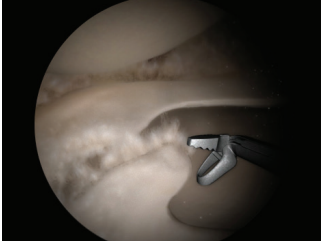
- ◆ Insert the camera and the probe through to the joint.
- ◆ Perform a diagnostic examination of the knee using the camera and the probe. When done, retract the probe.
- ◆ Open the tools menu and choose the most suitable Punch to treat the tear. Replace the stylus with the grasper.
- ◆ Navigate to the medial meniscus and use the Punch tool to resect a piece of the pathological meniscus.
- ◆ Force the Valgus or Varus positions in order to create more space to work in.
- ◆ When no more resection is needed, retract the Punch and replace the grasper with the stylus. Open the tools menu and choose a shaver in an adequate size.
- ◆ Insert the shaver and shave the resected Meniscal area.
- ◆ Press the Close button when no more sharp edges are left on the treated meniscus.



Parrot Beak Tear

Task Description:

- ◆ Insert the camera and the probe through to the joint.
- ◆ Perform a diagnostic examination of the knee using the camera and the probe. When done, retract the probe.
- ◆ Open the tools menu and choose the most suitable Punch to treat the tear. Replace the stylus with the grasper.
- ◆ Navigate to the lateral meniscus and use the Punch tool to resect a piece of the pathological meniscus.
- ◆ Force the Valgus or Varus positions in order to create more space to work in.
- ◆ When no more resection is needed, retract the Punch and replace the grasper with the stylus. Open the tools menu and choose a shaver in an adequate size.
- ◆ Insert the shaver and shave the resected Meniscal area.
- ◆ Press the Close button when no more sharp edges are left on the treated meniscus.



Flap Tear

Task Description:

- ◆ Insert the camera and the probe into the joint.
- ◆ Perform a diagnostic examination of the knee using the camera and the probe. When done, retract the probe.
- ◆ Open the tools menu and choose the most suitable Punch to treat the tear. Replace the stylus with the grasper.
- ◆ Navigate to the lateral meniscus and use the Punch tool to resect a piece of the pathological meniscus.
- ◆ Force the Valgus or Varus positions in order to create more space to work in.
- ◆ When no more resection is needed, retract the Punch and replace the grasper with the stylus. Open the tools menu and choose a shaver in an adequate size.
- ◆ Insert the shaver and shave the resected Meniscal area.
- ◆ Press the Close button when no more sharp edges are left on the treated meniscus.