

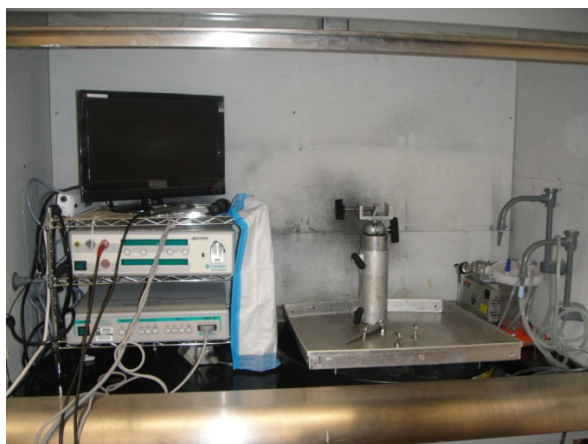
Orthopaedic Surgical Skills Laboratory

Overview

The Orthopaedic Surgical Skills Laboratory is a 400 ft² space designed for demonstration and instruction of surgical skills, as well as the performance of orthopaedic surgical and anatomic research, in order to improve surgeon competency and advance orthopaedic knowledge and techniques.

Capabilities

- Dedicated “Wet” and “Dry” areas
- Linvatec arthroscopy workstation
- Shoulder and knee arthroscopy simulators
- Dedicated video conferencing



‘Wet’ arthroscopy workstation for cadaveric studies.

Educational Activities

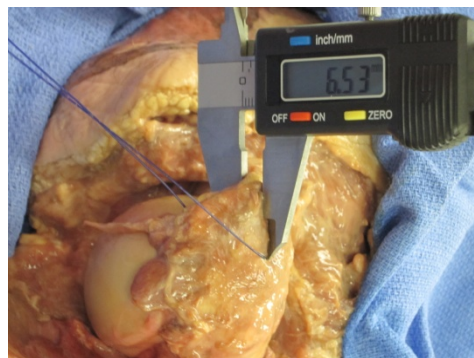
- Instruction of surgical techniques for residents and fellows
- Surgical demonstrations for undergraduate, graduate, and medical students
- Anatomic dissections and lectures for undergraduate, graduate, and medical students



Knee arthroscopy simulator.

Research Projects

- Imaging of the rotator cuff using intravascular ultrasound
- Posterior Cruciate Femoral Sided Drilling in Relation to Articular Cartilage
- Proximity of the PIN Nerve During the Two-Incision Approach to Distal Biceps Repair



Digital caliper measurement of rotator cuff thickness in a cadaveric sample.

Laboratory Director

James Penna, MD.