



The Future of Education at Penn Orthopaedics—the Human Fresh Tissue Laboratory



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On May 1, 2011, the historic practice of study of anatomy will combine with the most modern technology at The University of Pennsylvania's Department of Orthopaedics Human Fresh Tissue Laboratory.

This lab will be a state-of-the-art representation of this ancient practice. The Department Chairman, Dr. L. Scott Levin, spearheaded this project; he was involved in every aspect including the design and construction of the facility. Dr. Levin modeled the laboratory after the facilities at Duke University Medical Center, which has proven to be a tremendous attribute to their surgical education program.

Our facility will be a 2,500 square foot space on the second floor of Stemmler Hall of the University of Pennsylvania School of Medicine. It will contain 15 workstations, configured like operating rooms, including lights, adjustable tables, vacuum and irrigation capabilities, and arthroscopic equipment. The overall design of the laboratory is to enable the users to practice surgical procedures performed within the University of Pennsylvania Medical Center.

The logistical plans for the facility include a cooler with a 10 cadaver capacity, allowing for the storage of specimens for immediate use, and a 30 cadaver capacity freezer space, for

long-term storage. Additionally, features will include autoclave capabilities, a prep room, a wash room, and storage for surgical equipment, as well as personal protective equipment.

A number of the workstations will be audio-visually linked with broadcasting capabilities in the new 65-seat conference room. Conference room seating will also be equipped with AV hook-ups and internet connections. The facility is designed to enable corporate users to come into our facilities and host seminars designed to provide training and updates to surgical educators and trainees alike on their implants and devices.

Our long-term goals for the facility include: advanced academic orthopaedic research, specifically the possibility of corporate-funded research fellowships, and the ability to host dissection and technique workshops, and cooperative educational endeavors with departments of general surgery, obstetrics and gynecology, anesthesia and nursing.

The University of Pennsylvania Department of Orthopaedics is once again proud and excited to announce the opening of our Human Fresh Tissue Laboratory this year and we look forward to updating the community on the achievements of the department via the laboratory and the future events being held in the facility



The Fresh Tissue Laboratory Under Construction