

Arthrocentesis Knee

Y-ARN-A-0005

Our SynAtomy Arthrocentesis Knee trainer is a high-fidelity synthetic knee ideal for teaching students how to perform or assist in arthrocentesis. Continuous practice on this lifelike simulator will help students build their skills and confidence in a safe and biohazard-free environment. This right knee model utilizes lifelike capabilities

such as aspiration resistance when a needle tip is superficial to the joint capsule. Ultrasound compatible anatomic features include the patella, tibia, fibula, femur, synovial sac and synovial fluid. Simulated synovial fluid may be removed medially or laterally.

Included Components

Synovial cavity with replaceable synovial fluid, patella, tibia, fibula, femur, muscular form, subcutaneous fat, skin, Pelican Case Stand.

Relevant Skills

Ultrasound guidance, knee aspiration, intra-articular injection, suprapatellar effusion, and palpation.



Complex Breast Phantom

Y-BST-A-0005

Our SynAtomy Breast Phantom is a highly lifelike medical training platform ideal for students and professionals who seek to improve hand-eye coordination and learn new techniques. This simulator accurately emulates the ultrasonic characteristics of tissues found in a typical human breast and allows students to practice procedures such as palpation, mammography and seed implantation.

Relevant Skills: Breast elastography, palpation, seed implantation, mammogram and ultrasound imaging.

Included Components: Skin, subcutaneous fat, bulk fat, a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis and hypodermis) that move independently from one another.

Pathologies such as hematomas, lesions, cancerous tumors, fibrous cyst, or abscess may be added to this model. Each model is constructed with highly realistic synthetic human tissues that mimic the mechanical, thermal and physico-chemical properties of live tissue.

