

BREAST PATHOLOGICAL PHANTOM

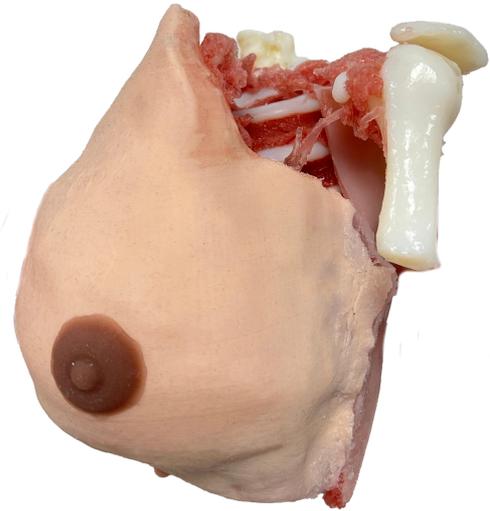


Product Guidelines

- Designed for advanced surgical training, specializing in pathology-specific simulations and pre-operative planning.

DESCRIPTION

Designed for advanced oncoplastic surgery training, this patient-specific, high-fidelity model addresses the limitations of traditional cadaveric and synthetic standards. This breast phantom features a multi-material structure that accurately replicates the biomechanical properties of breast tissue, including a rigid rib cage and vascular system, ensuring realistic haptic feedback for preoperative planning and surgical simulation.



KEY FEATURES & PATHOLOGIES

- **Oncoplastic Simulation:** Validated model specifically designed to train mastectomy flaps, tumor excision, and wide local excision procedures with realistic tissue resistance.
- **Vascular Precision:** Includes intricate vascular anatomy down to 3 mm, supporting the practice of perforator identification and dissection.
- **Haptic Fidelity:** Advanced PolyJet technology allows for distinct tactile differentiation between glandular tissue, adipose tissue, and muscle, matching the consistency of live surgery.
- **Complete Anatomy:** this unit integrates the pectoralis major, intercostal muscles, and sternum to provide a valid, comprehensive training platform.

ANATOMICAL COMPOSITION



MUSCLES

RIBCAGE

ADIPOSE &
GLANDULAR TISSUE

BLOOD VESSELS



WARNINGS AND SAFETY

Intended Use: This product is intended exclusively for educational and medical simulation purposes.