

SynAtomy Knot Tying Pad

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Our SynAtomy knot tying pad is designed to allow users to practice and repeat basic suturing and knot tying skills. The pads include multiple openings and complex shapes in a variety of sizes.

Basic model construction employs a hybrid tissue made from simplified versions of our SynTissue™ brand synthetic human skeletal muscle and fibrous fascia

SynTissue brand synthetic human tissue components are designed on the basis of physical tests performed on actual living tissue. Each synthetic tissue is validated (tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, dielectric constant, etc.) under the same physical conditions as the live tissue it is designed to simulate. The resulting synthetic tissue responds to stimulus much like the real living tissue.

Relevant Skills

Incisions, suturing, stapling and application of adhesives.

Equipment Compatibility

Laser scalpels, electrocautery and RF ablation devices, harmonic blades, monopolar and bipolar devices, plasma knives, ultrasound equipment and all known imaging equipment.

Included Components

A tissue pad manufactured from a hybrid of synthetic human skeletal muscle and fibrous fascia.

Dimensions

Pads are square and 15cm on a side. Overall thickness is 7-10mm.

Extraordinary Features

SynTissue synthetic human tissues made from salt, water and fiber—which feature the world's most realistic tactility. SynTissue synthetic human tissues match the acoustical characteristic of real human tissue.

All of our products are made in the USA.