

SYNTHETIC MODELS FOR SURGICAL TRAINING

Surgitate produces synthetic tissue and organ models for surgery training. Our products provide a realistic feel of incision, dissection, and suturing. We have breast, skin, and vascular models in our product portfolio and our target customers are surgeons-in-training (e.g., medical and veterinary school students). We also have a self-diagnosis model to be used for breast cancer awareness. We aim to improve the quality of surgical trainings via our practical and tactile simulation platform.

Potential Applications

There are different types of skin pads, vascular models, and breast models of different sizes to practice a variety of techniques from basic suturing to vascular trauma surgery.

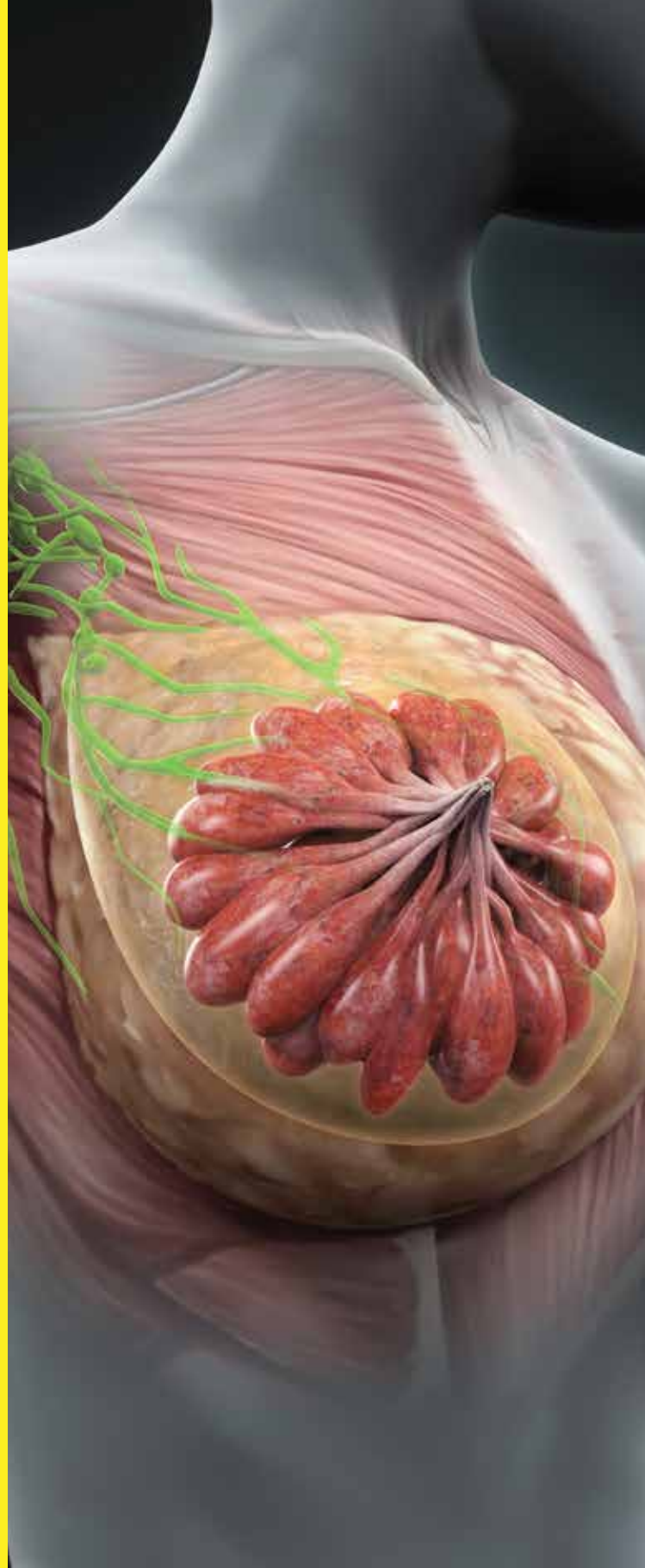
In addition to the breast models for medical training, the company designed an additional self-diagnosis breast model that can be used to teach women how to check their breast for possible lumps.

Customer Benefits

Training medical students' and young surgeons' practical skills is essential. The models developed by Surgitate can serve as a platform on which senior doctors can teach junior staff and medical students.

Technology Features & Specifications

One in eight women experiences breast cancer at some point in her life. Medically and aesthetically successful surgeries assure the health of these women pre-cancer lives. There are more than ten different types of oncoplastic in these techniques scales with skills of surgeons.



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Surgitate fabricates models that surgeons can

- i) cut with scalpel and scissors
- ii) sew
- iii) remove a small/large volume and sew
- iv) feel malign/benign tumors nipple.

This tactile simulation platform will assist surgeons to improve their surgical skills and facilitate their learning process. cooling side at the same time in the same system .

Market Trends and Opportunities

Most of the surgical simulation market is based on digital tools and haptic interfaces. Tactile simulation platforms have a potential to offer a more traditional and accessible medium for training.

Four marketing venues to focus on are:

- i) organizers of small conferences and workshops with special focus (e.g., breast cancer)
- ii) large companies that organize or provide to large conferences (e.g., suture companies that market their products with the aid of synthetic models)
- iii) medical schools with simulation laboratories
- iv) individual sales to medical, veterinary, and nursing school students.



surgitate

FIRST GRADE 'IMITATED' SURGERY