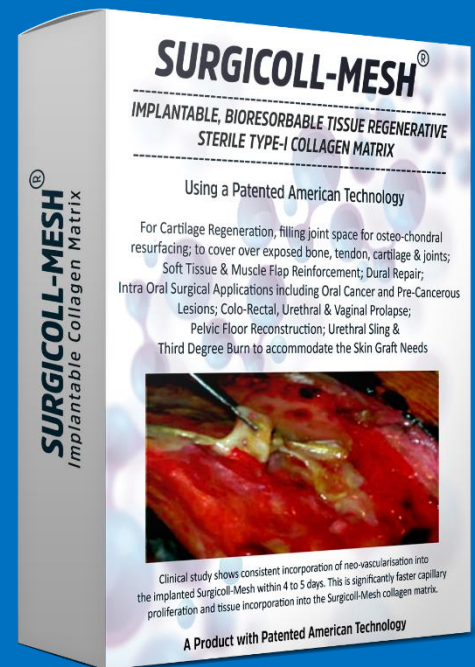


USAGE OF **SURGICOLL-MESH®**

IMPLANTABLE, BIORESORBABLE, TISSUE REGENERATIVE
STERILE, TYPE-I COLLAGEN MATRIX

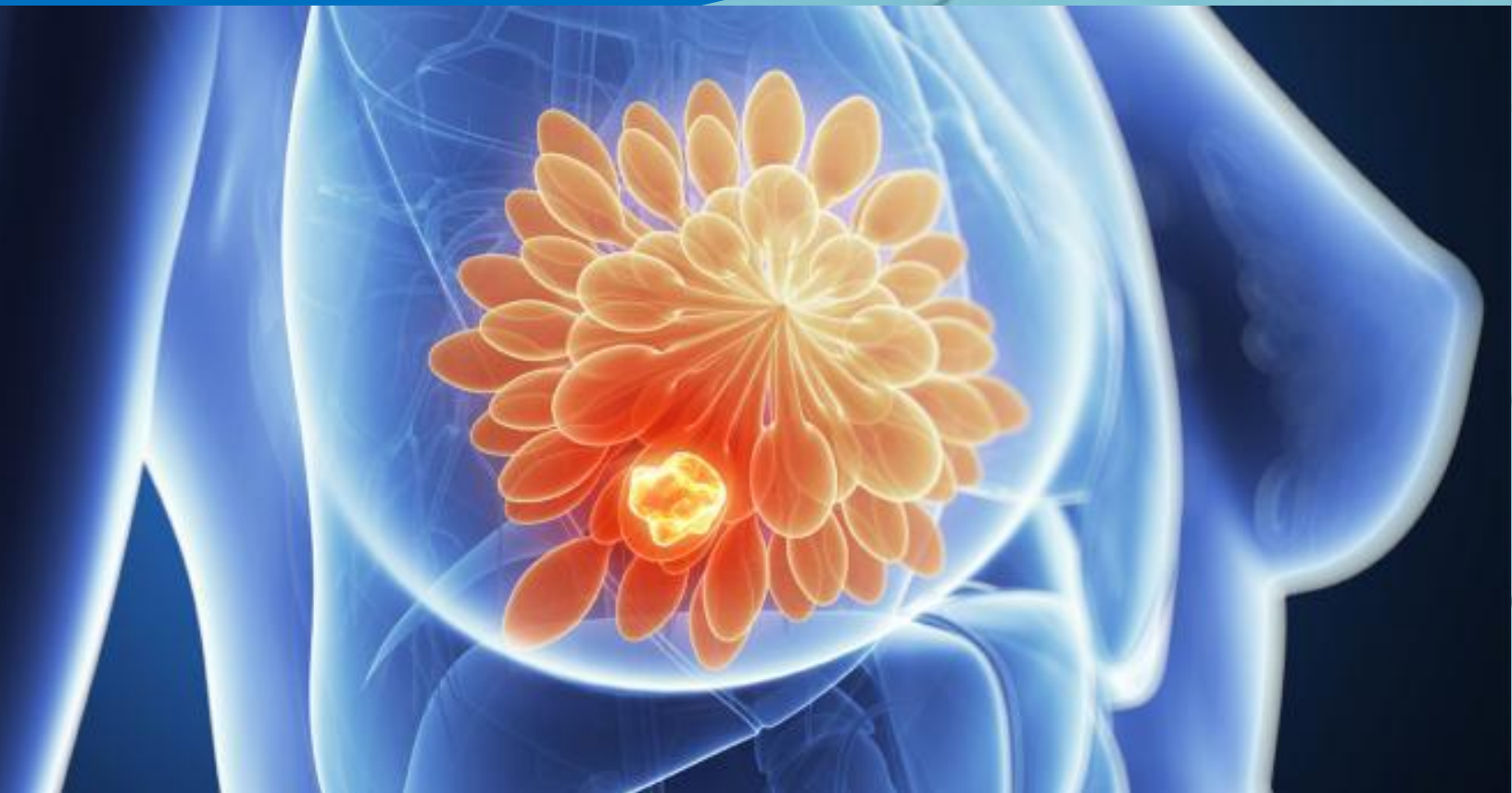
FOR THE POST SURGICAL TREATMENT
OF



 **ADVANCED BIOTECH PRODUCTS**

Manufacturing:

PL. 111 to 114 SIDCO Pharma Estate, Alathur 603 110.



Under the technology

from:

Encoll Corp

Fremont, CA, USA.

Sales & Marketing Office:

#77, 1st Cross St, Ragavan Colony, Chennai - 600 083, TN, INDIA.

Phone: 044 – 24744650 Website: www.advanced-biotech.com

About SURGICOLL-MESH

Surgicoll-Mesh, an innovative, high purity Type-I collagen has the following description and unique features:

- 1.High functional efficiency.
- 2.Its bioactivity is further enhanced by phosphorylation.
- 3.High degree of wound healing and tissue regenerative features.
- 4.Evidenced by equivalent Product approved in the US market.
- 5.US Patented for its purity and clinical efficacy^{1,2}.
- 6.Prepared using USP/IP, WHO GMP standards with ISO 13485:2016 regulations for quality compliances.

Indications of Surgicoll-Mesh

- Intra Oral Surgical - Post-operative mucosal defect in oral cancer and pre-cancerous lesions, dental/OMF applications.
- Breast Reconstruction and Treatment of Post Tumor.
- Soft Tissue & Muscle Flap Reinforcement – As a patch used for suture line reinforcement, muscle supplement with sling, repair and anchorage of tendon damage, and Transverse Rectus Abdominis Muscle (TRAM) flap procedures.
- Chronic ulcers and Diabetic ulcer treatment.
- Third-Degree Burn to accommodate the Skin Graft needs
- Orthopedic Surgery - Osteochondral resurfacing, synovial tissue implant, repair of rotator cuff, patellar, Achilles, biceps, quadriceps and other tendons.
- Cartilage Regeneration.
- Pelvic floor reconstruction, sacro-colposuspension and urethral sling.
- Colo-rectal, urethral & vaginal prolapse.
- Hernia repair including abdominal, inguinal, femoral, diaphragmatic, scrotal, umbilical, and incisional hernias.
- Cardio-vascular - Atrial, ventricular and arterial patch repair, suture line buttress, intra-cardiac patch, thoracic wall etc.
- Neurosurgical - As a substitute for dura repair and nerve wrap.

Advantage of using Surgicoll-Mesh:

- **High purity Type-I Collagen:** Surgicoll-Mesh consists of native un-crosslinked pure Type-I collagen (>97% pure) free of immunogenic proteins, lipids, and elastin^{3,4}.
- **Faster Healing:** Collagen phosphorylation attracts cells, regenerates tissue, and stimulates blood capillaries/granulation within 4 to 5 days⁵.
- **Innovative Technology:** Better than intact tissue-based membranes which contain 10% to 51% elastin and other immunogenic molecules.
- **Easy Application:** No washing needed prior to use. Can be Sutured and/or stapled.
- **Pain Control:** Effectively reduces pain
- **Various Sizes:** Choose from our available wide range of standard sizes. For more details, [see Brochure](#).
- **Cost-Effective:** Accelerated wound healing and tissue remodeling with minimal applications.
- **Long Shelf Life:** Remains clinically usable for 3 years when stored in room temperature condition

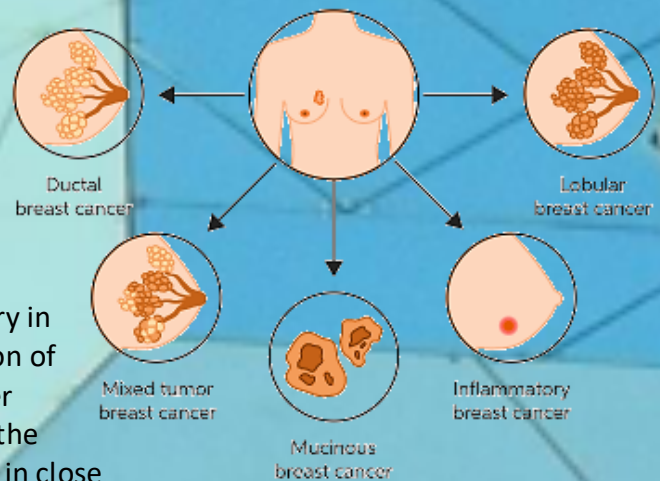


Breast Reconstruction & Treatment of Post Tumor Excision

Surgicoll-Mesh can be used in the treatment of wounds and in breast reconstruction following excision of tumor/removal of breast in breast cancer cases.

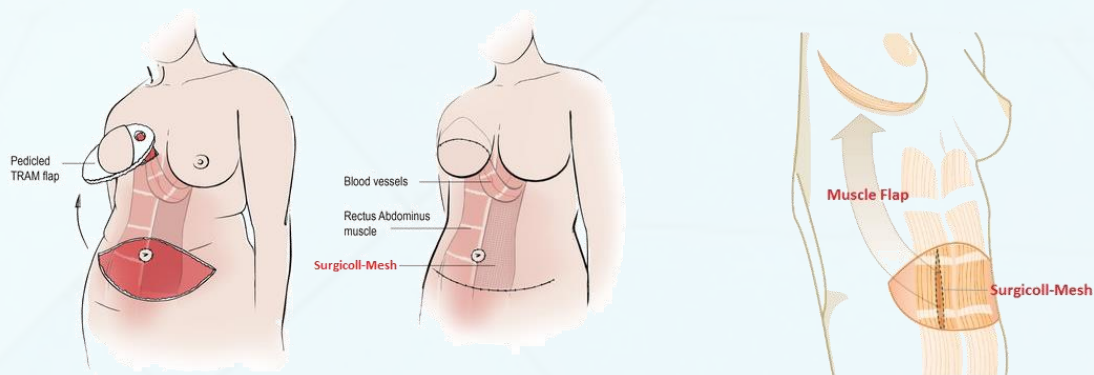
We also propose the use of Surgicoll-Mesh for drug delivery in breast cancer. The choice of the drug is up to the discretion of the doctor and it can be administered in solution form over Surgicoll-Mesh for immediate absorption of the drug into the matrix. Once incorporated, Surgicoll-Mesh can be applied in close proximity to the tumor site.

Types of breast cancer



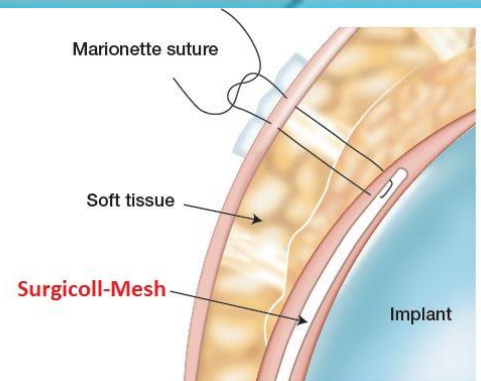
TRAM Flap Procedure

In TRAM Flap procedure for breast reconstruction, Surgicoll-Mesh can be used to achieve reinforcement of the entire abdominal wall (ref 6).

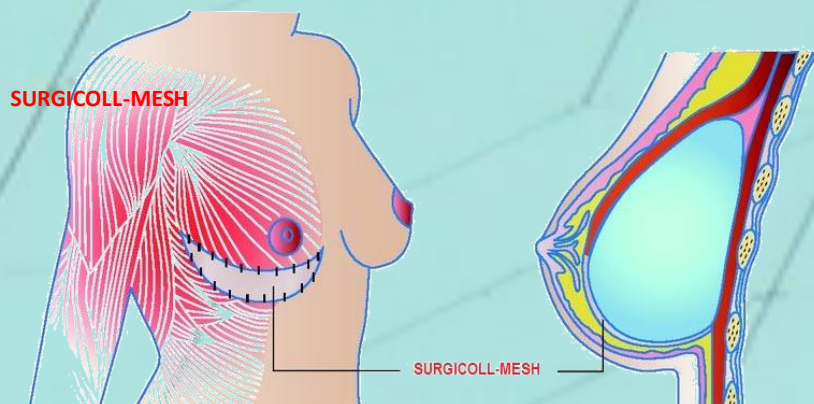


Implant Based Breast Reconstruction after Mastectomy:

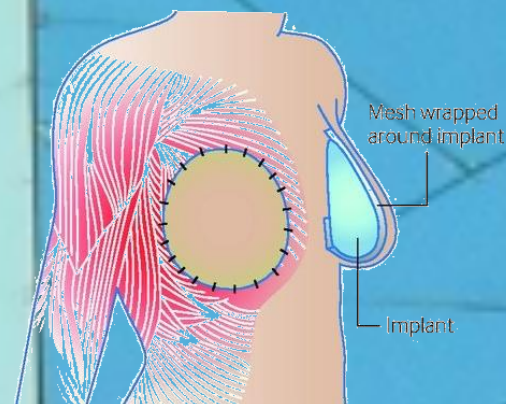
In breast reconstructive surgery, to facilitate the expansion of the submuscular pocket for direct-to-implant breast reconstruction and two-stage breast reconstruction, Surgicoll-Mesh can be used as a sling, interposed between the lateral pectoral edge and the thoracic wall. Following capsular elevation, Surgicoll-Mesh can be placed in-between tissues and frequently fixed with marionettes sutures (ref 7 & 8).



Single-stage submuscular implant reconstruction with mesh (matrix)



Single-stage subcutaneous implant-based reconstruction with mesh



“Surgicoll-Mesh can also be used for the treatment following the removal of tumor in cases of intestinal, colo-rectal, skin cancer, oral mucosal cancer,

References:

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