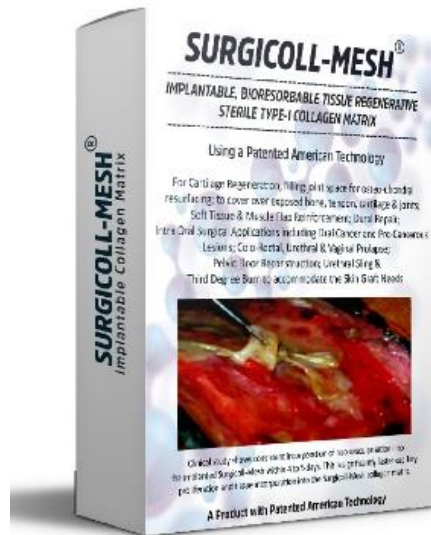


Usage of Surgicoll-Mesh®



FOR THE TREATMENT OF Intra-Oral Surgical Defects

Why use SURGICOLL-MESH:

1. for effective healing of tumorectomy defects
2. for possible local delivery of growth factors, anti-neoplastic and/or antibiotic drugs
3. can be used as internal wound healing and hemostatic agent
4. to effectively stimulate epithelium and granulation tissue
5. to relieve pain and to result in better clinical & functional outcomes



ADVANCED BIOTECH PRODUCTS (P) LTD.

Manufacturing:

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

Sales & Marketing Office:

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

Under the technology from:



Fremont, CA, USA

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.
- 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



FOR INTRA-ORAL SURGICAL DEFECTS

Post-operative Mucosal Defect in Oral Cancer and Pre-Cancerous Lesions:

Surgicoll-Mesh has been clinically tested for oral cancerous lesions and the results have shown significant improvement in the aspects of hemostasis, stimulating epithelialization and formation of granulation tissue, as well as relieving the pain resulting in better functional outcome⁶. Following are the cases where superior clinical outcome of Surgicoll-Mesh has been successfully demonstrated.

Case 1: Verrucous Carcinoma



Surgical Defect of Verrucous carcinoma



Application of Surgicoll-Mesh



*Post-Op 2 months
Good healing at the surgical site*

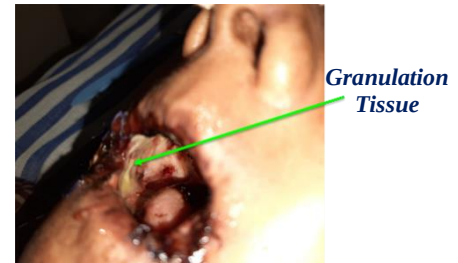
Case 2: Oral Cancer Excision Treatment



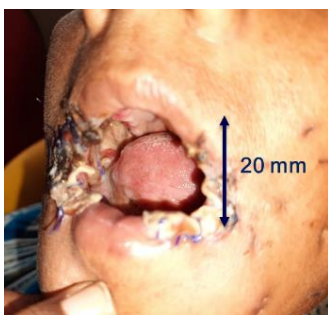
Mouth not openable beyond 10 mm



Surgicoll-Mesh secured using sutures



Healing Progress – Day 7



Mouth opens beyond 20 mm – Day 14



*Photos of Complete Healing - Day 32
Evidence for Successful Treatment*



Courtesy of Dr. Pradeep, Oral Oncologist, Nagercoil



Advanced Biotech Products (P) Ltd.

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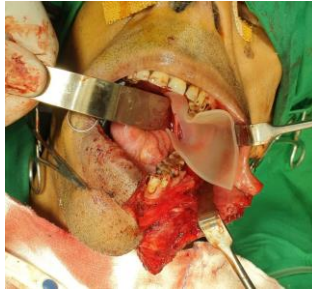
Email: info@abpdental.com

Website: www.abpdental.com

Case 3: Treatment of Oral Carcinoma



Incision site marked for tumor removal



Placement of Surgicoll-Mesh



Surgicoll-Mesh secured by sutures



Granulation Tissue Formation – Day 3



Complete Healing – Day 61

Courtesy of Dr. Pradeep, Oral Oncologist, Nagercoil

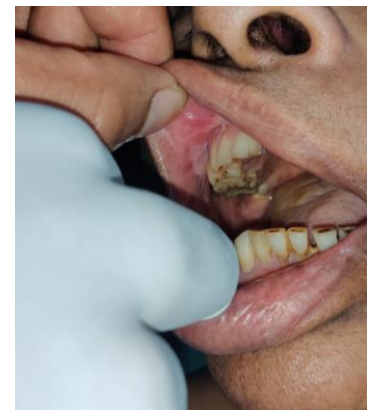
Case 4: Treatment of Oral Granuloma



Granuloma Hyperplasia of the Upper Lip



Surgicoll-Mesh Secured by Sutures



Evidence of Successful Healing – 5 Months

***Courtesy of Dr. Mohammed Zuhaib
MDS (OMFS), MFD RCSI (Ireland), MFDS RCPS
(Glasgow), Fellow Oral Oncosurgery***



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