



ABSORBABLE HAEMOSTATS IN NEUROSURGERY - EVERY DROP MATTERS

INNOVATION FOR PRECISE BLEEDING CONTROL

SURGISPON®

Absorbable Haemostatic Gelatin Sponge is a quick and effective haemostatic which stops bleeding fast. It reduces intraoperative bleeding and surgery time. The uniform porosity of SURGISPON® guarantees a favourable haemostasis.

CHARACTERISTICS



Secure and speedy haemostasis



Provides structural support to ensure stable blood coagulation at the bleeding site



Absorbs 45 times its own weight of water/ oxalate blood



Completely absorbed within 4 weeks



Conforms to the bleeding surface



Non-toxic, Non-allergenic, Non-immunogenic and Non-pyrogenic

pH

pH-neutral allows it to be added with drugs/thrombin



Available in powder putty variant to control cancellous bone bleeding



Gamma-sterilized & ready to use



APPLICATIONS

Haemostasis

- Dural Epidural Bone
- Parenchymal
- Skull

Dural Reconstruction

- Post Traumatic
- Convexity
- Skull Base

Special Indications

- Vascular Anastomosis & Repair
- Implant Fixation

SURGICAL APPLICATIONS



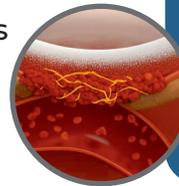
A) Intraoperative photograph demonstrates the exposed cortical area after completing the main purpose of the surgery and haemostasis via right pterional craniotomy followed by the dural opening in semioval fashion around the Sylvian fissure.



B) Subdural cortical areas are covered with a thin layer of gelatin sponge. The coverage extends over the unexposed cortical surface to separate the dural healing process from the pia-arachnoid membranes as much as possible. The gelatin sponge will also serve as an extra protection for the cortex during the suturing process of the dural flap.

How Does SURGISPON® Work

- ✔ SURGISPON® porous structure enables platelet gathering
- ✔ Facilitates platelet aggregation, enhancing adhesion
- ✔ Triggers platelet activation upon contact with blood
- ✔ Encourages clotting substance release from platelets
- ✔ Catalyzes fibrin formation to strengthen the clot
- Stops bleeding effectively by forming a stable clot



“Specialized new sponges have been developed in various thickness and density to facilitate more options for surgeons”

ORDERING INFORMATION



Product ID	Thickness (mm)	Dimension (mm)	No. of Pieces Per Box
SSP-805010	10	80x50x10	10/20/2
SSP-954805	5	95x48x05	10
SSP-954802	2	95x48x02	10
SSP-805001	1	80x50x01	20
SSP-200705	0.5	200x70x0.5	10

Product ID	Weight (gm)	Packaging (Containers/Box)
SSP-01	1	6 Containers
SSP-03	3	1 Container
SSP-01B	1	6 Bellows
SSP-03B	3	6 Bellows

Surgi-ORC®

A natural, plant based Absorbable Haemostat made up of Oxidized Regenerated Cellulose, designed to stop capillary, venous and minor arterial bleeding.

CHARACTERISTICS



Natural, plant based origin



Acts as an anti-adhesive barrier



Secure and speedy haemostasis



Pliable, rollable design for narrow or deep fields



Completely absorbed within 7-14 days



Provide adequate coverage for localized bleeding control



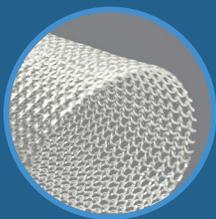
High flexibility and drapability



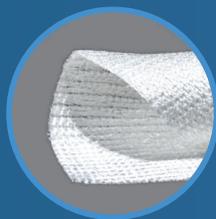
Conforms to tissue without sticking to instruments

pH

Low pH creates bactericidal environment



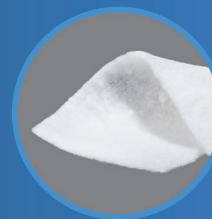
Original/
Standard



Knit



Fibril



Non-Woven/
Snow



Powder

APPLICATIONS

- Arterial/dura, Vascular
- Cavernous sinus
- Extreme Lateral Inferior Transcondylar Exposure (ELITE)
- Lateral suboccipital craniotomy
- Venous plexus bleeding
- Microvascular Decompression
- Craniotomy and Craniectomy
- Posterior Fossa Tumor Resection
- cSDH - Chronic Subdural Hematoma
- Intracranial meningiomas
- Rapid Closure Decompressive Craniectomy (RCDC)
- Tanycytic ependymoma
- AVM & Cavernous Malformation
- Lumbar Microdiscectomy
- Laminectomy

SURGICAL APPLICATIONS



(A) After craniotomy and durotomy, the dura is dissected from the underlying grayish external membrane



(B) Membranes are incised, separated, and the intermembranous space irrigated with normal saline until clear



(C) ORC is placed between layers and membranes are clipped to the dura using multiple Ligaclip



(D) The dura is loosely closed, and the bone flap replaced over the craniotomy site

How Does Surgi-ORC® Work

- v
 Oxidized Regenerated Cellulose (ORC) absorbs blood and becomes a gel covering the site of vessel injury
- v
 Creates an area of low pH causing localized vasoconstriction
- o
 Provides a matrix for platelet adhesion, accelerating the formation of the platelet plug that will form the foundation of the fibrin clot

ORDERING INFORMATION

Product ID	Dimension (inch)	Dimension (cm)	No. of Pieces Per Box
Surgi-ORC® Original/Standard			
SOO-0214	2x14	5.1x35.6	12
SOO-0408	4x8	10.2x20.3	12
SOO-0203	2x3	5.1x7.6	12
Surgi-ORC® Knit			
SOK-0203	2x3	5.1x7.6	12
SOK-0304	3x4	7.6x10.2	12
SOK-0609	6x9	15.2x22.9	12
Surgi-ORC® Fibril			
SOF-0102	1x2	2.5x5.1	12
SOF-0204	2x4	5.1x10.2	12
SOF-0404	4x4	10.2x10.2	12
Surgi-ORC® Non-Woven/SNOW			
SON-0102	1x2	2.5x5.1	12
SON-0204	2x4	5.1x10.2	12
SON-0404	4x4	10.2x10.2	12
Surgi-ORC® Powder			
SOP-03		3 gram	5
SOP-05		5 gram	5

FLOGEL[®]

FLOGEL[®] Flowable Gelatin Haemostatic Matrix, is made from absorbable gelatin sponge, into a flowable form as off white (slight yellow) prefilled in a syringe. It is used by applying to a bleeding site that occurs in tight and irregular spaces especially at a difficult to reach site.

CHARACTERISTICS



Quick preparation with uniform viscosity



Provides up to 8 hours of effective working time



Conforms to tissue, staying in place even in irregular crevices during active bleeding



Delivers faster haemostasis where its intended



Ensures firm contact and adherence to the application site



Once hemostasis is achieved, gently irrigate away excess **FLOGEL[®]** with saline



Biocompatible, resorbed within 4 weeks

APPLICATIONS

- Tumor removal/resection (large raw surface, cavity oozing)
- Skull base procedures (tumor bed, sinuses)
- Transsphenoidal hypophysectomy (sphenoid sinus)

SURGICAL APPLICATIONS



Intraoperative application of a haemostatic agent in an insular arteriovenous malformation resection cavity

ORDERING INFORMATION

Product ID	Minimum Deliverable Volume	Packaging (Kit/Box)
FG-005	5 ml	1
FG-006	6 ml	1
FG-008	8 ml	1
FG-010	10 ml	1

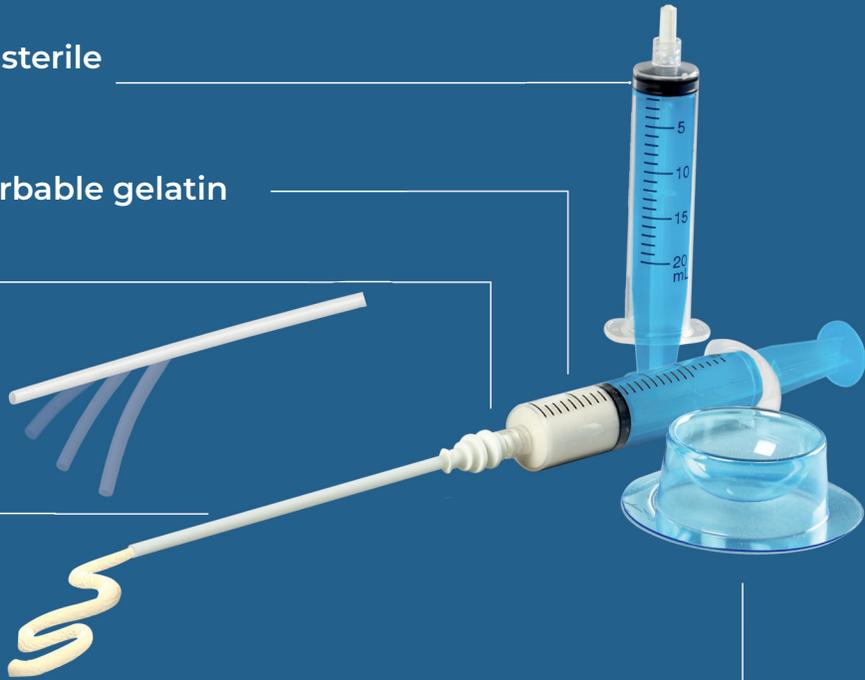
An empty syringe for mixing sterile solution with matrix

Syringe with pulverized absorbable gelatin

A Luer connector

An applicator
(Flexible 14.6 cm)

An applicator
(Rigid 14.3 cm)



Cup for placing the solution

How Does *FLOGEL*[®] Work?

- ✓ The Flowable Gelatin Haemostatic Matrix provides
- ✓ an environment for platelets to adhere and aggregate within,
- ✓ building on the patient's natural coagulation cascade
- ✓ When used with thrombin, thrombin accelerates formation
- of platelet plug and aids in fibrin clot formation

Neurosurgical Haemostats , Optimised.

Gelatin sponges, powders, flowable matrix, and oxidized regenerated cellulose haemostats optimised to manage bleeding complexities across deep, irregular, sensitive, and high-risk neurosurgical zones.

SURGISPON[®], Surgi-ORC[®] and FLOGEL[®] offer neurosurgeons a dependable range of absorbable haemostats developed for real-time control, adaptability, and structural finesse. Whether stabilizing an oozing dura, separating delicate cortical layers, or protecting grafted areas from adhesion and inflammation, these solutions are made to respond precisely to the clinical environment.

SURGISPON[®] Rapidly absorbs up to 45 times it's weight in blood & supports blood coagulation, conforming easily to clean surgical areas.

Surgi-ORC[®] Forms a soft gel on contact with blood, creating a low-pH barrier that enhances platelet adhesion, promotes vasoconstriction, and reduces infection risk.

FLOGEL[®] A ready-to-use flowable gelatin matrix designed for confined or actively bleeding neurosurgical sites. Its uniform viscosity and syringe delivery ensure precise coverage in complex or hard-to-reach areas.

Available in diverse thicknesses and formats - from ultra-thin compressed sheets to powder, multi-layered fibrillar structures, and flowable matrix - these haemostats enhance the surgeon's ability to manage bleeding, avoid compressions or pressure complications, apply localized medications, and navigate through hard-to-reach as well as uneven surgical planes.



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WEBSITE



YOUTUBE

AL/BRC/GEN/NEU/01/R1 | Date: 11/2025

Important: The selection and use of the product should be based on the surgeon's clinical expertise and the specific requirements of the surgical site. Please refer to the Instructions for Use (IFU) for complete information on instructions, contraindications, warnings, and precautions.