Sangustop®

YOUR CHOICE IN HEMOSTASIS
Based upon decades of experience in producing efficacious hemostats, B. Braun has developed a collagen hemostat: Sangustop®.

Sangustop® is specially indicated for local hemostasis of bleeding of parenchymal organs and diffuse oozing hemorrhages.

**VERSATILITY**

- Efficient Hemostasis (1-4)
- Cost efficient (2)
- Absorbed in 3 weeks (5-7)
- Excellent biocompatibility (7)
- Can be easily used in open and minimally invasive surgery (3)

A new choice for bleeding treatment
Sangustop® is made of high density bovine collagen fibres, which give the product a microporous structure.

Collagen is a well-known initiator of platelet aggregation and thus an accelerator of hemostasis (2-4).

Collagen is a biocompatible material that can be absorbed by the body within approximately 3 weeks as a result of phagocytosis and enzymatic degradation (5, 6).

**Efficacy**

**Esscaliver Study:**
Comparison of the efficacy and safety of Sangustop® as haemostatic agent versus a carrier-bound fibrin sealant during liver resection (TachoSil®) (3)

- Prospective, randomized, multicenter, non-inferiority study.
- Evaluation of the haemostatic effect (after 3, 5 and 10 minutes) and the safety of the collagen haemostatic agent Sangustop® compared to a carrierbound fibrin sealant (TachoSil®) during liver resection.

- N = 127 patients (62 Sangustop®, 65 TachoSil®)

Suggested use of Sangustop® in minimally invasive surgery (MIS)
EASY HANDLING

Effectiveness:
Percentage of patients (%) where haemostasis has been achieved

Safety:
The rate of adverse events was comparable in both study arms. Concerning bile leakages and biliomas no significant differences between both treatment groups were determined.

* Sangustop® has shown the same effectiveness and safety compared to the carrier-bound fibrin sealant (TachoSil®). In addition it is a cost-effective hemostat (2), that offers an easy handling in open surgery and MIS procedures (3).

Easy handling in Open and MIS surgery (3):
- Ready to use approach: no need for pretreatment steps
- Excellent adhesion to bleeding surfaces (2): just apply light pressure onto the wound
- Both sides equally active: simple positioning of the product
- Adaptable to any type of structure: from plain surfaces to anastomoses
- Very easy to use in minimal invasive surgery: Sangustop® maintains consistency after being introduced through the trocar
Sangustop®

ORDERING INFORMATION

<table>
<thead>
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<th>Sizes</th>
<th>Art. No.</th>
<th>Contents</th>
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REFERENCES


(5) [Data on file] Weber. Summary of animal studies to test three different hemostatic devices, which are used to stop severe liver bleeding (2006).

(6) [Data on file] Weber. Research program testing hemostatic compress material (Sangustop) in a functionality study (Hemostasis of severe liver bleedings) (2007).
