



GLUBRAN®2

Hepato Bilio Pancreatic Surgery

**Synthetic, biliostatic,
bacteriostatic and hemostatic
sealant**



Intended use

- Sealing and hemostasis of liver and pancreatic resections, to prevent the formation of biliary and pancreatic bilomas and fistulas, or post-operative bleeding
- Sealing of anastomoses in the reconstruction of bile and pancreatic ducts, to prevent leaks
- Sealing and reinforcement of vascular sutures, also during liver transplant procedures
- Hemostasis of oozing hemorrhages after detachments and dissections

"... bile contains profibrinolytic activity that causes lysis of the clot formed... a possible solution to the problem of bile leakage after liver resection may lie in the development of safe and ready to use synthetic sealants instead of fibrin sealants by the fibrin sealant at least in vitro..."

de Boer MT. et al. 2012¹¹



GLUBRAN[®] 2

Hepato-Bilio-Pancreatic Surgery

The efficacy of treatment to prevent fistulas formation with Glubran[®] 2 sprayed on the resection surface was evaluated by an observational study conducted on 205 patients undergoing liver resection after preoperative diagnosis of mCRC. The clinical results show that the intraoperative use of Glubran[®] 2 is a safe and feasible procedure that can reduce the onset of bilomas and biliary fistulas.

Izzo F. et al. 2019⁵

* P < 0.001

PATIENTS WITH METASTATIC COLORECTAL CANCER (mCRC)

	GLUBRAN [®] 2	Control
Population	N	205 113
Hepatic metastases		1075 452
No. of metastases/patient	Median (range)	4 (1-7) 5 (2-6)
Major hepatectomies		151 (73) 56 (50)
Segmental resections	nº (%)	10 (5) 40 (36)
Wedges and Sectorectomies		34 (17) 17 (14)
Days of hospital stay	Median (range)	8 (7-16) 10 (5-14)
Bilomas	%	13* 16
Fistulas		1* 2,6
Hepatic lesions at 5 months (N)	N	13 19
Mortality at 30 days		0 0

DISTANCE FROM TISSUE	NEBULIZING DIAMETER	INDICATIONS	EPATO-BILIO-PANCREATIC SURGERY
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NEBULIZER
G2-NBT



On large surfaces
In laparoscopy

RIGID NEBULIZER
G2-NBT-RIG



Hemostasis and sealing of resections

SHORT NEBULIZER
G2-NBT-SHORT



In open surgery

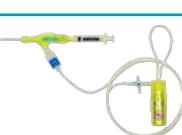
SMALL NEBULIZER
G2-NBT-SMALL



On small surfaces
In laparoscopy

Sealing, hemostasis and reinforcement of manual or mechanical suture lines

SHORT MINI NEBULIZER
G2-NBT-SM-SHORT



In open surgery

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