



ENDONEB

**Endoscopic
Nebulizer
for Glubran[®] 2**

An innovative, minimally invasive
and atraumatic approach
in Digestive Endoscopy



The logo for Endoneb is located in the top left corner, featuring the word "ENDONEB" in a teal, sans-serif font. Above the letter "O" is a small icon of a cluster of dots. The background of the entire page is a blurred image of a medical endoscopic applicator with a green handle and a long, thin, clear tube. The background has a color gradient from light teal at the top to a darker teal at the bottom.

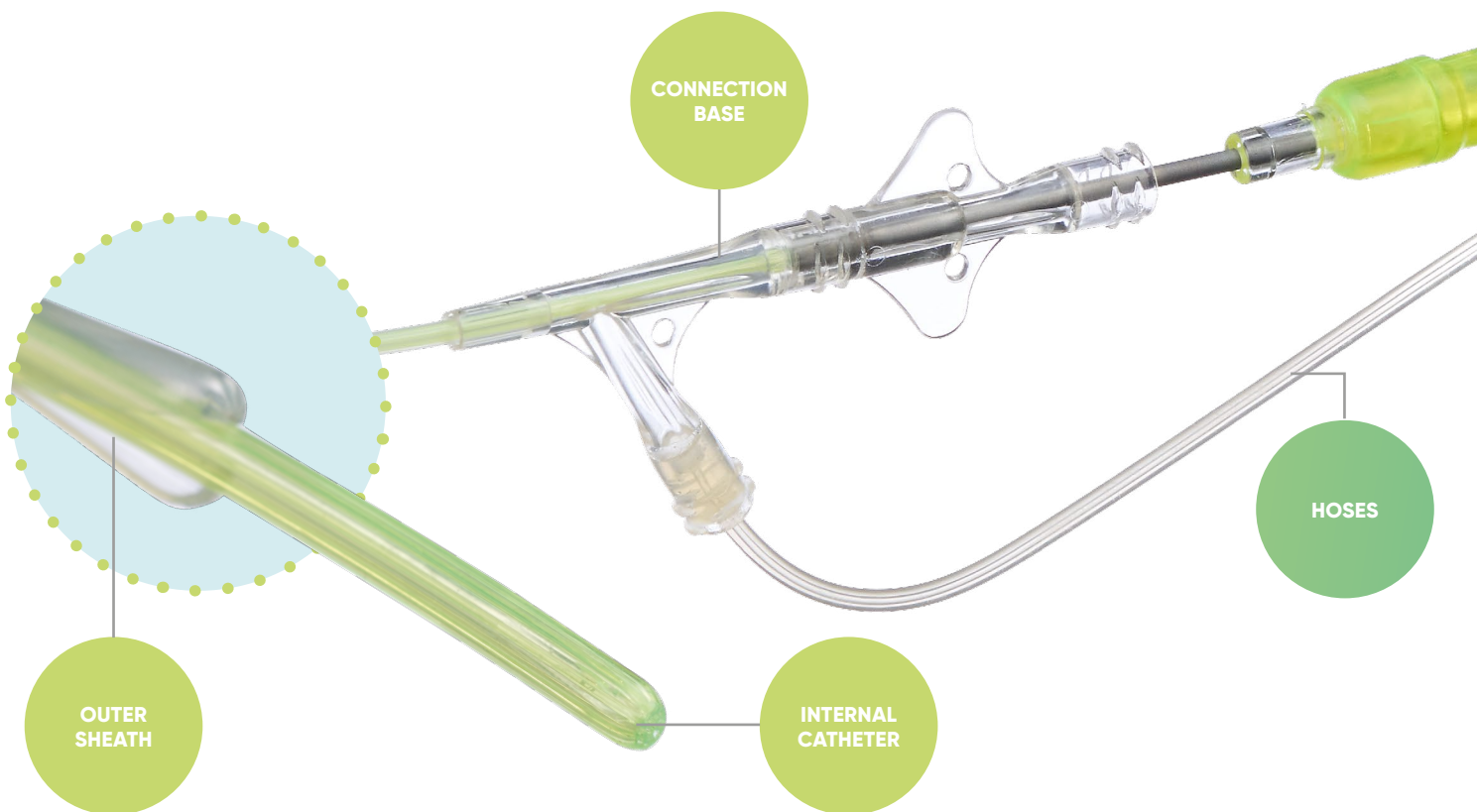
ENDONEB

Endoneb is the new applicator designed for the endoscopic nebulization of Glubran[®] 2, revolutionizing the management of **post-resection bleeding** of the **gastrointestinal mucosa** and **submucosa**.



Designed for use in
EMR and **ESD** procedures,
Endoneb allows a **precise,**
controlled, and minimally
invasive application
of **Glubran® 2.**

Simplicity, Safety, Precision: Every Detail Counts



Lightweight and Practical

Endoneb features a simple and secure handle. The design makes it lightweight and easy to manoeuvre.



Ready to Use in Seconds

Aspirate, connect, activate: just a few steps and Endoneb is ready for use. Less time preparing, more time for your patient.



Precision in Your Hands

The continuous gas flow and honeycomb-structured tip ensure a fine, controlled, and uniform nebulization. Product release is precisely modulate thanks to direct control via the syringe.



Built-in Safety by Design

The protective sheath prevents occlusion of the tip and ensures cleanliness of the operating channel. Gas pressure adjustment is not required: the system is pre-set and ready to use.



Technical Specifications

- Compatible with gastroscopes and colonoscopes with operating channel ≥ 2.6 mm \rightarrow smooth catheter movement along the endoscope
- Catheter length: 200 cm
- Protective sheath
- Single-use device with integrated propellant system
- Continuous nebulization time: approx. 8 minutes
- Catheter cleaning system for multiple applications on the same patient

Endoneb and Glubran[®] 2: A Winning Synergy

Endoneb was specifically developed for the nebulized application of Glubran[®] 2 during digestive endoscopy procedures.

NEBULIZED GLUBRAN[®] 2 ALLOWS:

- Effective intraoperative bleeding control
- Protection of the treated area
- Prevention of postoperative bleeding

A Targeted, Minimally Invasive, and Highly Precise Approach.

WHY CHOOSE GLUBRAN[®] 2 FOR ENDOSCOPIC SURGERY?

Surgical Efficiency Without Compromise

Rapid polymerization:

procedure times remain unchanged, ensuring maximum efficacy during surgery.

Tissue Safety

Low-temperature polymerization (45°C):

does not damage mucosa or cause tissue necrosis.

Clear Vision, Total Control

Transparency of Glubran[®] 2: allows full visibility of the treated site during the procedure.

Biocompatibility Across All Tissues

Proven safety: Glubran[®] 2 is highly biocompatible, eliciting a normal foreign body reaction and remaining safe during polymerization and degradation.

Clinical Versatility

Reliable hemostatic action:

effective even in anticoagulated patients or those with congenital coagulopathies.



The Endoneb - Glubran[®] 2 System

A premium choice for digestive endoscopy.

Technological Innovation:

- Endoneb technology enables a **fine, uniform, and precise nebulization** of Glubran[®] 2 even in complex or irregular spaces.
- The microcatheter ensures excellent control of product delivery.

Combined Function:

- Glubran[®] 2 acts as a **hemostatic, sealant, and adhesive**.
- Nebulized via Endoneb, it forms a thin film that immediately stops bleeding thanks to rapid polymerization.
- Strong adhesion ensures the product film remains in place for extended periods.
- The impermeable film provides a sealing effect, protecting the resected mucosa.

Safety and Prevention:

- Once applied, Glubran[®] 2 forms a protective layer that remains intact long enough to allow the underlying tissue to complete physiological repair.
- Can also be used preventively, even in the absence of bleeding, as polymerization occurs independently of blood presence.



References

Boškosi I, Hamanaka J, Barbaro F, Arena V, Mascagni P, Caristo ME, De Siena M, Gallo C, Costamagna G. Feasibility and safety of a new endoscopic synthetic sealant nebulizing device over gastric endoscopic submucosal dissections. *Surg Endosc.* 2021 Jul;35(7):4048-4054. doi: 10.1007/s00464-021-08480-4. Epub 2021 Apr 13. PMID: 33851265; PMCID: PMC8195911.

Martines G, Picciariello A, Dibra R, Trigiante G, Jambrenghi OC, Chetta N, Altomare DF. Efficacy of cyanoacrylate in the prevention of delayed bleeding after endoscopic mucosal resection of large colorectal polyps: a pilot study. *Int J Colorectal Dis.* 2020 Nov;35(11):2141-2144. doi: 10.1007/s00384-020-03678-9. Epub 2020 Jun 23. PMID: 32577871.

Glubran® 2 – consult the website page at: www.gemitaly.it/prodotti/glubran-2/



Consult the
Endoneb
brochure



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Glubran® 2
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Ref. G2-NBT-ENDO
Class IIa Medical Device – Sterile single-use
Compliant with EU Regulation 745/2017