

# SCIENTIFIC EVIDENCE

related to single-use and reusable gastroscopes

## ORGANIZATIONAL IMPACT, PERFORMANCE, AND HEALTH ECONOMICS

### [Larsen et al., 2021: abstract](#)

Thirteen percent of European gastrointestinal endoscopists often had to wait for a reusable gastroscope to become available prior to a procedure. High-volume centres were not significantly more likely to experience availability issues.



Amongst the five European countries  
**13%**

### [Okimoto et al., 2023](#)

Single-use endoscopes offer a solution to counterbalance the bacterial growth that can be fostered in reusable endoscopes due to cleaning challenges, and the risk of cross-infection which has been reported. The case report also illustrates successful endoscopic submucosal dissection (ESD) for early gastric cancer using the single-use gastroscope Ambu aScope Gastro, showcasing its potential as an alternative to reusable endoscopes.



### [Borja et al., 2023: UEG week abstract](#)

The risks and resources associated with intrahospital transport of critically ill patients with upper gastrointestinal bleeding (UGIB) could be reduced by 46% if therapeutical gastroscopes, necessary equipment and utilities were available in the ICU. Single-use therapeutical gastroscopes could allow faster attention to patients in need. They could also free up time and reduce workload and stress of health care professionals (HCPs) and other staff who are currently involved in the transport and handling of patients with UGIB from ICU.

**The availability of therapeutical gastroscopes and critically ill UGIB patients, leading to faster attention, reduced workload and less stress for healthcare professionals.**

On average, it takes  
**22 MIN**  
and up to  
**6 HCP'S**  
to transport a patient from ICU  
to the Endoscopy Unit or the OR



### [Ebigbo et al., 2023](#)

Single-use gastroscopes could be a viable option for urgent endoscopic evaluation and treatment of upper gastrointestinal bleeding (UGIB), with a high technical success rate and successful therapeutic interventions in cases requiring treatment. Ambu aScope Gastro can be used in the emergency setting, including in the ICU, to successfully identify and treat a variety of bleeding sources with all currently used endoscopic tools.



### [Hoffman and Cool 2023: Abstract DDW](#)

The case study showcases single-use endoscope benefits, with positive quality perceptions and cost savings of around \$38,000 annually (\$126.23 per procedure). Adopting Ambu aScope Gastro could potentially enable 52 extra bariatric surgeries per year and an increased reimbursement revenue of \$800k.



Savings of **\$126**  
per procedure.

Totalling **\$38,000**  
per year



Scan the QR code to learn more about single-use gastroenterology

**Ambu**