

GREEN ENDOSCOPY RESEARCH... A POSITIVE IMPACT FOR THE PLANET!

The following information was devised by The Eco-Responsibility and Sustainability Development Committee from the French Society for Digestive Endoscopy (SFED). The European Society for Gastrointestinal Endoscopy (ESGE) are grateful for the opportunity to bring these important resources to a wider audience.

KEY FACTS

- Publications on ecological themes are booming, including in high-impact journals.
- Everything can be rethought and the field of investigation is immense.

YOU TOO, CAN JOIN THE GREEN RESEARCH TEAM:

By evaluating all our practices

- Impact of conferences and training¹⁻³
- Environmental impact of procedures⁴⁻⁶
- Impacts on water⁷, climate change (carbon), biodiversity...
- Patient transport^{4,6}

By introducing ecological innovations

- Teleconsultations and digital tools
- Lower-impact strategies (RESECT & DISCARD)
- Low-impact devices (rechargeable clips, bougie cap⁸, histopathology⁹, etc.)
- More responsible disinfection⁴⁻⁵

By collaborating with specialists in the field

- Life cycle analysis laboratories
- Specialists in drug biodegradation
- Specialists in water pollution (PEG)
- Materials specialists (plastics)
- Waste specialists
- Recycling specialists
- After validation or verifying with the hygiene officer

With very diverse methodologies

- Descriptive studies measuring impact (e.g. carbon footprint of an endoscopy⁴)
- Comparative studies (single-use vs reusable^{5,10,11})
- Interventional studies to reduce impact¹²
- Medical-ecological analysis of randomized trials
- Adding a medical-ecological dimension to all trials

In practice, if I want to get started

- Possible support from the ESGE Green Endoscopy Working Group
- Not always patient data → simplicity
- Publication potential, as it concerns a very trendy topic

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