

Innovation Brief

Medical Technology Innovation Dynamic Purchasing System - LumenEye Consumables (Manifold / Sheath), supplied by SurgEase Innovations Limited

Summary

Disruptive innovation

This briefing introduces a disruptive innovation available via NHS Supply Chain: The LumenEye. Reviewed by clinical specialists and supported by key stakeholders, this device offers a novel approach to managing lower gastrointestinal symptoms as an alternative to traditional colonoscopy or flexible sigmoidoscopy.

Introduction

This document is intended to inform clinical stakeholders and procurement teams about innovative products that have undergone a clinical review and are now accessible through NHS Supply Chain.

Products featured in this brief may be classified as:

- Disruptive innovations
 - A disruptive innovation is novel.
 - It should offer improvements compared to the existing provision of care.
 - The proposed format should not exist elsewhere (either within or beyond the health and care sector).

Note: While robust evidence or validated savings may not yet be available, early data and clinical insights support the potential for patient and system-level improvements.

Departments / stakeholders for engagement

- NHS procurement teams.
- Endoscopy departments.
- Colorectal surgery departments.
- Primary care.

Opportunity

LumenEye presents an opportunity to enhance care by:

- Improved patient experience and comfort.
- Early detection by enabling immediate visualisation and assessment in outpatient clinics, GP surgeries or community setting improving patient access.

Product overview

The LumenEye is a handheld, rigid digital rectoscope to visualise and examine the rectum. It is used as a less invasive, point-of-care alternative to traditional colonoscopy or flexible sigmoidoscopy in outpatient clinics, operating theatres, and GP surgeries.

Only the consumable element is covered by the innovation - not the capital equipment.

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Additional benefits

- The LumenEye can defer or reduce the need for a colonoscopy or flexible sigmoidoscopy for patients, significantly shortening waiting lists and freeing up capacity.



Pathway change

- Portable system.
- The device connects to a display screen and features integrated lighting and video capture, allowing the clinician to visualise pathology in real time.
- Potential to move from secondary to primary care.

Supply details

Consumables Pack with single-use sheath, obturator and manifold.

Route - eDirect

Supplier - SurgEase

Unit of Issue - Box of 4

Complete Requirements in Form on <https://www.supplychain.nhs.uk/dps>

Supporting evidence / notes

- <https://pmc.ncbi.nlm.nih.gov/articles/PMC12046408/>
National Library of Medicine - Bedside endoscopic inspection of colorectal anastomoses in the early postoperative period: a 2-center prospective feasibility study.
- https://academic.oup.com/bjs/article/111/Supplement_8/znae197.420/7752869
Oxford Academic Journals - FP8.8 LumenEye XI rigid digital rectoscope in the assessment of anorectal symptoms: a sustainable substitute for outpatient flexible sigmoidoscopy?
- <https://www.magonlinelibrary.com/doi/abs/10.12968/indn.2024.4.28>
Independent Nurse - Community rectal pathology clinics could save the NHS millions.

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